TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

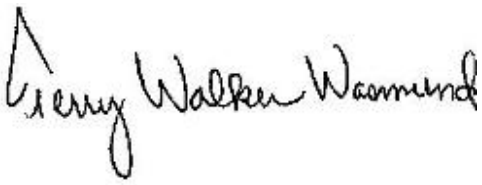
ANALYTICAL REPORT

Job Number: 140-1006-1

Job Description: Smokey Mountain Smelter

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

Attention: Janice D. Austin



Approved for release.
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Project Manager II
3/20/2014 4:21 PM

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cc: Linda Nyland

The test results in this report meet all 2003 NELAC and 2003 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.

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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)

Job Narrative
140-1006-1

Receipt
The samples were received on 3/6/2014 1:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Method(s) TO 14A, TO 15 LL, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified “zero air” as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of “zero air” by TestAmerica Knoxville.

Method(s) TO-15: The following samples were diluted due to the abundance of non-target analytes: SMSSV3-10 (140-1006-5), SMSSV7-3 (140-1006-10). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Comments
No additional comments.

Detection Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV8-15 — Lab Sample ID: 140-1006-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	2.9		2.0		ppb v/v	1.32		TO-15	Total/NA
Toluene	5.0		2.0		ppb v/v	1.32		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.4		2.0		ppb v/v	1.32		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	1.32		TO-15	Total/NA
Toluene	19		7.5		ug/m3	1.32		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		9.8		ug/m3	1.32		TO-15	Total/NA

Client Sample ID: SMSSV1-5 — Lab Sample ID: 140-1006-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.2		2.0		ppb v/v	1.47		TO-15	Total/NA
Toluene	3.5		2.0		ppb v/v	1.47		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.8		2.0		ppb v/v	1.47		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	14		8.7		ug/m3	1.47		TO-15	Total/NA
Toluene	13		7.5		ug/m3	1.47		TO-15	Total/NA
1,2,4-Trimethylbenzene	19		9.8		ug/m3	1.47		TO-15	Total/NA

Client Sample ID: SMSSV2-10 — Lab Sample ID: 140-1006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.1		2.0		ppb v/v	2.03		TO-15	Total/NA
Toluene	3.7		2.0		ppb v/v	2.03		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.0		2.0		ppb v/v	2.03		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	2.03		TO-15	Total/NA
Toluene	14		7.5		ug/m3	2.03		TO-15	Total/NA
1,2,4-Trimethylbenzene	15		9.8		ug/m3	2.03		TO-15	Total/NA

Client Sample ID: SMSSV92-10 — Lab Sample ID: 140-1006-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	2.8		2.0		ppb v/v	2.22		TO-15	Total/NA
Toluene	3.3		2.0		ppb v/v	2.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.7		2.0		ppb v/v	2.22		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	12		8.7		ug/m3	2.22		TO-15	Total/NA
Toluene	12		7.5		ug/m3	2.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		9.8		ug/m3	2.22		TO-15	Total/NA

Client Sample ID: SMSSV3-10 — Lab Sample ID: 140-1006-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		2.3		ppb v/v	11.62		TO-15	Total/NA
Chlorobenzene	2.9		2.3		ppb v/v	11.62		TO-15	Total/NA
Chloromethane	9.8		5.8		ppb v/v	11.62		TO-15	Total/NA
1,1-Dichloroethane	4.4		2.3		ppb v/v	11.62		TO-15	Total/NA
1,2-Dichloroethane	5.4		2.3		ppb v/v	11.62		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMSSV3-10 (Continued)

Lab Sample ID: 140-1006-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	12		2.3		ppb v/v	11.62		TO-15	Total/NA
Methylene Chloride	12		5.8		ppb v/v	11.62		TO-15	Total/NA
m-Xylene & p-Xylene	13		2.3		ppb v/v	11.62		TO-15	Total/NA
o-Xylene	7.3		2.3		ppb v/v	11.62		TO-15	Total/NA
Toluene	32		2.3		ppb v/v	11.62		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.8		2.3		ppb v/v	11.62		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	43		7.4		ug/m3	11.62		TO-15	Total/NA
Chlorobenzene	14		11		ug/m3	11.62		TO-15	Total/NA
Chloromethane	20		12		ug/m3	11.62		TO-15	Total/NA
1,1-Dichloroethane	18		9.4		ug/m3	11.62		TO-15	Total/NA
1,2-Dichloroethane	22		9.4		ug/m3	11.62		TO-15	Total/NA
Ethylbenzene	52		10		ug/m3	11.62		TO-15	Total/NA
Methylene Chloride	40		20		ug/m3	11.62		TO-15	Total/NA
m-Xylene & p-Xylene	56		10		ug/m3	11.62		TO-15	Total/NA
o-Xylene	32		10		ug/m3	11.62		TO-15	Total/NA
Toluene	120		8.8		ug/m3	11.62		TO-15	Total/NA
1,2,4-Trimethylbenzene	34		11		ug/m3	11.62		TO-15	Total/NA

Client Sample ID: SMSSV5-7

Lab Sample ID: 140-1006-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.1		2.0		ppb v/v	1		TO-15	Total/NA
Toluene	3.6		2.0		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.7		2.0		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	1		TO-15	Total/NA
Toluene	14		7.5		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		9.8		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV9-10

Lab Sample ID: 140-1006-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.1		2.0		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	2.3		2.0		ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	8.8		2.0		ppb v/v	1		TO-15	Total/NA
o-Xylene	4.2		2.0		ppb v/v	1		TO-15	Total/NA
Toluene	13		2.0		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.6		2.0		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		6.4		ug/m3	1		TO-15	Total/NA
Ethylbenzene	10		8.7		ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	38		8.7		ug/m3	1		TO-15	Total/NA
o-Xylene	18		8.7		ug/m3	1		TO-15	Total/NA
Toluene	47		7.5		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	23		9.8		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV4-15

Lab Sample ID: 140-1006-8

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMSSV4-15 (Continued)

Lab Sample ID: 140-1006-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.7		2.0		ppb v/v	1.25		TO-15	Total/NA
Ethylbenzene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
m-Xylene & p-Xylene	29		2.0		ppb v/v	1.25		TO-15	Total/NA
o-Xylene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
Toluene	30		2.0		ppb v/v	1.25		TO-15	Total/NA
1,2,4-Trimethylbenzene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.7		2.0		ppb v/v	1.25		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		6.4		ug/m3	1.25		TO-15	Total/NA
Ethylbenzene	48		8.7		ug/m3	1.25		TO-15	Total/NA
m-Xylene & p-Xylene	130		8.7		ug/m3	1.25		TO-15	Total/NA
o-Xylene	47		8.7		ug/m3	1.25		TO-15	Total/NA
Toluene	110		7.5		ug/m3	1.25		TO-15	Total/NA
1,2,4-Trimethylbenzene	56		9.8		ug/m3	1.25		TO-15	Total/NA
1,3,5-Trimethylbenzene	14		9.8		ug/m3	1.25		TO-15	Total/NA

Client Sample ID: SMSSV6-5

Lab Sample ID: 140-1006-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	5.7		1.8		ppb v/v	1		TO-15	Total/NA
o-Xylene	2.4		1.8		ppb v/v	1		TO-15	Total/NA
Toluene	2.9		1.8		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.6		1.8		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	25		7.9		ug/m3	1		TO-15	Total/NA
o-Xylene	10		7.9		ug/m3	1		TO-15	Total/NA
Toluene	11		6.9		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		8.9		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV7-3

Lab Sample ID: 140-1006-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	5.3		3.6		ppb v/v	1		TO-15	Total/NA
Toluene	3.7		3.6		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.5		3.6		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	23		16		ug/m3	1		TO-15	Total/NA
Toluene	14		14		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	22		18		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMSSV8-15 **Lab Sample ID: 140-1006-1**
Date Collected: 03/05/14 15:05 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 21:43	1.32
Bromomethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloroform	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloromethane	ND		5.0		ppb v/v			03/12/14 21:43	1.32
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 21:43	1.32
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 21:43	1.32
m-Xylene & p-Xylene	**2.9**		2.0		ppb v/v			03/12/14 21:43	1.32
o-Xylene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Styrene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Toluene	**5.0**		2.0		ppb v/v			03/12/14 21:43	1.32
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 21:43	1.32
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Trichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2,4-Trimethylbenzene	**2.4**		2.0		ppb v/v			03/12/14 21:43	1.32
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 21:43	1.32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 21:43	1.32
Benzyl chloride	ND		21		ug/m3			03/12/14 21:43	1.32
Bromomethane	ND		7.8		ug/m3			03/12/14 21:43	1.32
Carbon tetrachloride	ND		13		ug/m3			03/12/14 21:43	1.32
Chlorobenzene	ND		9.2		ug/m3			03/12/14 21:43	1.32
Chloroethane	ND		5.3		ug/m3			03/12/14 21:43	1.32
Chloroform	ND		9.8		ug/m3			03/12/14 21:43	1.32
Chloromethane	ND		10		ug/m3			03/12/14 21:43	1.32

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV8-15
Date Collected: 03/05/14 15:05
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 21:43	1.32
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 21:43	1.32
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 21:43	1.32
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 21:43	1.32
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 21:43	1.32
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 21:43	1.32
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 21:43	1.32
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 21:43	1.32
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 21:43	1.32
Ethylbenzene	ND		8.7		ug/m3			03/12/14 21:43	1.32
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 21:43	1.32
Methylene Chloride	ND		17		ug/m3			03/12/14 21:43	1.32
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/12/14 21:43	1.32
o-Xylene	ND		8.7		ug/m3			03/12/14 21:43	1.32
Styrene	ND		8.5		ug/m3			03/12/14 21:43	1.32
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 21:43	1.32
Tetrachloroethene	ND		14		ug/m3			03/12/14 21:43	1.32
Toluene	**19**		7.5		ug/m3			03/12/14 21:43	1.32
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 21:43	1.32
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 21:43	1.32
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 21:43	1.32
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 21:43	1.32
Trichloroethene	ND		11		ug/m3			03/12/14 21:43	1.32
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 21:43	1.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 21:43	1.32
1,2,4-Trimethylbenzene	**12**		9.8		ug/m3			03/12/14 21:43	1.32
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 21:43	1.32
Vinyl chloride	ND		5.1		ug/m3			03/12/14 21:43	1.32

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*03/12/14 21:43*	*1.32*

Client Sample ID: SMSSV1-5 **Lab Sample ID: 140-1006-2**
Date Collected: 03/05/14 15:50 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 22:37	1.47
Bromomethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloroform	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloromethane	ND		5.0		ppb v/v			03/12/14 22:37	1.47
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 22:37	1.47
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 22:37	1.47
m-Xylene & p-Xylene	**3.2**		2.0		ppb v/v			03/12/14 22:37	1.47
o-Xylene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Styrene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Toluene	**3.5**		2.0		ppb v/v			03/12/14 22:37	1.47
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 22:37	1.47
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Trichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2,4-Trimethylbenzene	**3.8**		2.0		ppb v/v			03/12/14 22:37	1.47
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 22:37	1.47

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 22:37	1.47
Benzyl chloride	ND		21		ug/m3			03/12/14 22:37	1.47
Bromomethane	ND		7.8		ug/m3			03/12/14 22:37	1.47
Carbon tetrachloride	ND		13		ug/m3			03/12/14 22:37	1.47
Chlorobenzene	ND		9.2		ug/m3			03/12/14 22:37	1.47
Chloroethane	ND		5.3		ug/m3			03/12/14 22:37	1.47
Chloroform	ND		9.8		ug/m3			03/12/14 22:37	1.47
Chloromethane	ND		10		ug/m3			03/12/14 22:37	1.47

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV1-5
Date Collected: 03/05/14 15:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 22:37	1.47
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 22:37	1.47
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 22:37	1.47
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 22:37	1.47
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 22:37	1.47
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 22:37	1.47
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 22:37	1.47
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 22:37	1.47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 22:37	1.47
Ethylbenzene	ND		8.7		ug/m3			03/12/14 22:37	1.47
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 22:37	1.47
Methylene Chloride	ND		17		ug/m3			03/12/14 22:37	1.47
m-Xylene & p-Xylene	**14**		8.7		ug/m3			03/12/14 22:37	1.47
o-Xylene	ND		8.7		ug/m3			03/12/14 22:37	1.47
Styrene	ND		8.5		ug/m3			03/12/14 22:37	1.47
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 22:37	1.47
Tetrachloroethene	ND		14		ug/m3			03/12/14 22:37	1.47
Toluene	**13**		7.5		ug/m3			03/12/14 22:37	1.47
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 22:37	1.47
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 22:37	1.47
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 22:37	1.47
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 22:37	1.47
Trichloroethene	ND		11		ug/m3			03/12/14 22:37	1.47
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 22:37	1.47
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 22:37	1.47
1,2,4-Trimethylbenzene	**19**		9.8		ug/m3			03/12/14 22:37	1.47
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 22:37	1.47
Vinyl chloride	ND		5.1		ug/m3			03/12/14 22:37	1.47

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*03/12/14 22:37*	*1.47*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV2-10
Date Collected: 03/05/14 16:11
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 23:31	2.03
Bromomethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloroform	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloromethane	ND		5.0		ppb v/v			03/12/14 23:31	2.03
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 23:31	2.03
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 23:31	2.03
m-Xylene & p-Xylene	**3.1**		2.0		ppb v/v			03/12/14 23:31	2.03
o-Xylene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Styrene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Toluene	**3.7**		2.0		ppb v/v			03/12/14 23:31	2.03
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 23:31	2.03
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Trichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2,4-Trimethylbenzene	**3.0**		2.0		ppb v/v			03/12/14 23:31	2.03
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 23:31	2.03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 23:31	2.03
Benzyl chloride	ND		21		ug/m3			03/12/14 23:31	2.03
Bromomethane	ND		7.8		ug/m3			03/12/14 23:31	2.03
Carbon tetrachloride	ND		13		ug/m3			03/12/14 23:31	2.03
Chlorobenzene	ND		9.2		ug/m3			03/12/14 23:31	2.03
Chloroethane	ND		5.3		ug/m3			03/12/14 23:31	2.03
Chloroform	ND		9.8		ug/m3			03/12/14 23:31	2.03
Chloromethane	ND		10		ug/m3			03/12/14 23:31	2.03

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV2-10
Date Collected: 03/05/14 16:11
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 23:31	2.03
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 23:31	2.03
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 23:31	2.03
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 23:31	2.03
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 23:31	2.03
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 23:31	2.03
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 23:31	2.03
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 23:31	2.03
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 23:31	2.03
Ethylbenzene	ND		8.7		ug/m3			03/12/14 23:31	2.03
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 23:31	2.03
Methylene Chloride	ND		17		ug/m3			03/12/14 23:31	2.03
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/12/14 23:31	2.03
o-Xylene	ND		8.7		ug/m3			03/12/14 23:31	2.03
Styrene	ND		8.5		ug/m3			03/12/14 23:31	2.03
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 23:31	2.03
Tetrachloroethene	ND		14		ug/m3			03/12/14 23:31	2.03
Toluene	**14**		7.5		ug/m3			03/12/14 23:31	2.03
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 23:31	2.03
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 23:31	2.03
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 23:31	2.03
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 23:31	2.03
Trichloroethene	ND		11		ug/m3			03/12/14 23:31	2.03
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 23:31	2.03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 23:31	2.03
1,2,4-Trimethylbenzene	**15**		9.8		ug/m3			03/12/14 23:31	2.03
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 23:31	2.03
Vinyl chloride	ND		5.1		ug/m3			03/12/14 23:31	2.03

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*03/12/14 23:31*	*2.03*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV92-10
Lab Sample ID: 140-1006-4
Date Collected: 03/05/14 16:13
Matrix: Air
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 00:25	2.22
Bromomethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloroform	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloromethane	ND		5.0		ppb v/v			03/13/14 00:25	2.22
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Ethylbenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 00:25	2.22
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 00:25	2.22
m-Xylene & p-Xylene	**2.8**		2.0		ppb v/v			03/13/14 00:25	2.22
o-Xylene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Styrene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Toluene	**3.3**		2.0		ppb v/v			03/13/14 00:25	2.22
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 00:25	2.22
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Trichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2,4-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 00:25	2.22
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 00:25	2.22

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/13/14 00:25	2.22
Benzyl chloride	ND		21		ug/m3			03/13/14 00:25	2.22
Bromomethane	ND		7.8		ug/m3			03/13/14 00:25	2.22
Carbon tetrachloride	ND		13		ug/m3			03/13/14 00:25	2.22
Chlorobenzene	ND		9.2		ug/m3			03/13/14 00:25	2.22
Chloroethane	ND		5.3		ug/m3			03/13/14 00:25	2.22
Chloroform	ND		9.8		ug/m3			03/13/14 00:25	2.22
Chloromethane	ND		10		ug/m3			03/13/14 00:25	2.22

Client Sample ID: SMSSV92-10 **Lab Sample ID: 140-1006-4**
Date Collected: 03/05/14 16:13 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 00:25	2.22
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 00:25	2.22
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 00:25	2.22
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 00:25	2.22
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 00:25	2.22
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 00:25	2.22
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 00:25	2.22
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 00:25	2.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 00:25	2.22
Ethylbenzene	ND		8.7		ug/m3			03/13/14 00:25	2.22
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 00:25	2.22
Methylene Chloride	ND		17		ug/m3			03/13/14 00:25	2.22
m-Xylene & p-Xylene	**12**		8.7		ug/m3			03/13/14 00:25	2.22
o-Xylene	ND		8.7		ug/m3			03/13/14 00:25	2.22
Styrene	ND		8.5		ug/m3			03/13/14 00:25	2.22
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 00:25	2.22
Tetrachloroethene	ND		14		ug/m3			03/13/14 00:25	2.22
Toluene	**12**		7.5		ug/m3			03/13/14 00:25	2.22
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 00:25	2.22
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 00:25	2.22
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 00:25	2.22
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 00:25	2.22
Trichloroethene	ND		11		ug/m3			03/13/14 00:25	2.22
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 00:25	2.22
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 00:25	2.22
1,2,4-Trimethylbenzene	**13**		9.8		ug/m3			03/13/14 00:25	2.22
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 00:25	2.22
Vinyl chloride	ND		5.1		ug/m3			03/13/14 00:25	2.22

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*03/13/14 00:25*	*2.22*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV3-10
Lab Sample ID: 140-1006-5
Date Collected: 03/05/14 17:33
Matrix: Air
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		2.3		ppb v/v			03/13/14 08:29	11.62
Benzyl chloride	ND		4.6		ppb v/v			03/13/14 08:29	11.62
Bromomethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Carbon tetrachloride	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chlorobenzene	**2.9**		2.3		ppb v/v			03/13/14 08:29	11.62
Chloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chloroform	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chloromethane	**9.8**		5.8		ppb v/v			03/13/14 08:29	11.62
cis-1,2-Dichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
cis-1,3-Dichloropropene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dibromoethane (EDB)	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,3-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,4-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Dichlorodifluoromethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1-Dichloroethane	**4.4**		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloroethane	**5.4**		2.3		ppb v/v			03/13/14 08:29	11.62
1,1-Dichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloropropane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Ethylbenzene	**12**		2.3		ppb v/v			03/13/14 08:29	11.62
Hexachlorobutadiene	ND		12		ppb v/v			03/13/14 08:29	11.62
Methylene Chloride	**12**		5.8		ppb v/v			03/13/14 08:29	11.62
m-Xylene & p-Xylene	**13**		2.3		ppb v/v			03/13/14 08:29	11.62
o-Xylene	**7.3**		2.3		ppb v/v			03/13/14 08:29	11.62
Styrene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2,2-Tetrachloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Tetrachloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Toluene	**32**		2.3		ppb v/v			03/13/14 08:29	11.62
trans-1,3-Dichloropropene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2,4-Trichlorobenzene	ND		12		ppb v/v			03/13/14 08:29	11.62
1,1,1-Trichloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2-Trichloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Trichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Trichlorofluoromethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2,4-Trimethylbenzene	**6.8**		2.3		ppb v/v			03/13/14 08:29	11.62
1,3,5-Trimethylbenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Vinyl chloride	ND		2.3		ppb v/v			03/13/14 08:29	11.62

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**43**		7.4		ug/m3			03/13/14 08:29	11.62
Benzyl chloride	ND		24		ug/m3			03/13/14 08:29	11.62
Bromomethane	ND		9.0		ug/m3			03/13/14 08:29	11.62
Carbon tetrachloride	ND		15		ug/m3			03/13/14 08:29	11.62
Chlorobenzene	**14**		11		ug/m3			03/13/14 08:29	11.62
Chloroethane	ND		6.1		ug/m3			03/13/14 08:29	11.62
Chloroform	ND		11		ug/m3			03/13/14 08:29	11.62
Chloromethane	**20**		12		ug/m3			03/13/14 08:29	11.62

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV3-10
Date Collected: 03/05/14 17:33
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		9.2		ug/m3			03/13/14 08:29	11.62
cis-1,3-Dichloropropene	ND		11		ug/m3			03/13/14 08:29	11.62
1,2-Dibromoethane (EDB)	ND		18		ug/m3			03/13/14 08:29	11.62
1,2-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
1,3-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
1,4-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
Dichlorodifluoromethane	ND		11		ug/m3			03/13/14 08:29	11.62
1,1-Dichloroethane	**18**		9.4		ug/m3			03/13/14 08:29	11.62
1,2-Dichloroethane	**22**		9.4		ug/m3			03/13/14 08:29	11.62
1,1-Dichloroethene	ND		9.2		ug/m3			03/13/14 08:29	11.62
1,2-Dichloropropane	ND		11		ug/m3			03/13/14 08:29	11.62
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		16		ug/m3			03/13/14 08:29	11.62
Ethylbenzene	**52**		10		ug/m3			03/13/14 08:29	11.62
Hexachlorobutadiene	ND		120		ug/m3			03/13/14 08:29	11.62
Methylene Chloride	**40**		20		ug/m3			03/13/14 08:29	11.62
m-Xylene & p-Xylene	**56**		10		ug/m3			03/13/14 08:29	11.62
o-Xylene	**32**		10		ug/m3			03/13/14 08:29	11.62
Styrene	ND		9.9		ug/m3			03/13/14 08:29	11.62
1,1,2,2-Tetrachloroethane	ND		16		ug/m3			03/13/14 08:29	11.62
Tetrachloroethene	ND		16		ug/m3			03/13/14 08:29	11.62
Toluene	**120**		8.8		ug/m3			03/13/14 08:29	11.62
trans-1,3-Dichloropropene	ND		11		ug/m3			03/13/14 08:29	11.62
1,2,4-Trichlorobenzene	ND		86		ug/m3			03/13/14 08:29	11.62
1,1,1-Trichloroethane	ND		13		ug/m3			03/13/14 08:29	11.62
1,1,2-Trichloroethane	ND		13		ug/m3			03/13/14 08:29	11.62
Trichloroethene	ND		12		ug/m3			03/13/14 08:29	11.62
Trichlorofluoromethane	ND		13		ug/m3			03/13/14 08:29	11.62
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18		ug/m3			03/13/14 08:29	11.62
1,2,4-Trimethylbenzene	**34**		11		ug/m3			03/13/14 08:29	11.62
1,3,5-Trimethylbenzene	ND		11		ug/m3			03/13/14 08:29	11.62
Vinyl chloride	ND		5.9		ug/m3			03/13/14 08:29	11.62

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*03/13/14 08:29*	*11.62*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV5-7
Lab Sample ID: 140-1006-6
Date Collected: 03/05/14 17:07
Matrix: Air
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 02:12	1
Bromomethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 02:12	1
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloroform	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloromethane	ND		5.0		ppb v/v			03/13/14 02:12	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Ethylbenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 02:12	1
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 02:12	1
m-Xylene & p-Xylene	**3.1**		2.0		ppb v/v			03/13/14 02:12	1
o-Xylene	ND		2.0		ppb v/v			03/13/14 02:12	1
Styrene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
Toluene	**3.6**		2.0		ppb v/v			03/13/14 02:12	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 02:12	1
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Trichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2,4-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 02:12	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 02:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/13/14 02:12	1
Benzyl chloride	ND		21		ug/m3			03/13/14 02:12	1
Bromomethane	ND		7.8		ug/m3			03/13/14 02:12	1
Carbon tetrachloride	ND		13		ug/m3			03/13/14 02:12	1
Chlorobenzene	ND		9.2		ug/m3			03/13/14 02:12	1
Chloroethane	ND		5.3		ug/m3			03/13/14 02:12	1
Chloroform	ND		9.8		ug/m3			03/13/14 02:12	1
Chloromethane	ND		10		ug/m3			03/13/14 02:12	1

Client Sample ID: SMSSV5-7 **Lab Sample ID: 140-1006-6**
Date Collected: 03/05/14 17:07 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 02:12	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 02:12	1
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 02:12	1
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 02:12	1
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 02:12	1
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 02:12	1
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 02:12	1
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 02:12	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 02:12	1
Ethylbenzene	ND		8.7		ug/m3			03/13/14 02:12	1
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 02:12	1
Methylene Chloride	ND		17		ug/m3			03/13/14 02:12	1
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/13/14 02:12	1
o-Xylene	ND		8.7		ug/m3			03/13/14 02:12	1
Styrene	ND		8.5		ug/m3			03/13/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 02:12	1
Tetrachloroethene	ND		14		ug/m3			03/13/14 02:12	1
Toluene	**14**		7.5		ug/m3			03/13/14 02:12	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 02:12	1
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 02:12	1
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 02:12	1
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 02:12	1
Trichloroethene	ND		11		ug/m3			03/13/14 02:12	1
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 02:12	1
1,2,4-Trimethylbenzene	**13**		9.8		ug/m3			03/13/14 02:12	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 02:12	1
Vinyl chloride	ND		5.1		ug/m3			03/13/14 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/13/14 02:12*	*1*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV9-10
Date Collected: 03/06/14 09:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.1**		2.0		ppb v/v			03/13/14 03:06	1
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 03:06	1
Bromomethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 03:06	1
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloroform	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloromethane	ND		5.0		ppb v/v			03/13/14 03:06	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Ethylbenzene	**2.3**		2.0		ppb v/v			03/13/14 03:06	1
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 03:06	1
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 03:06	1
m-Xylene & p-Xylene	**8.8**		2.0		ppb v/v			03/13/14 03:06	1
o-Xylene	**4.2**		2.0		ppb v/v			03/13/14 03:06	1
Styrene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
Toluene	**13**		2.0		ppb v/v			03/13/14 03:06	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 03:06	1
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Trichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2,4-Trimethylbenzene	**4.6**		2.0		ppb v/v			03/13/14 03:06	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 03:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		6.4		ug/m3			03/13/14 03:06	1
Benzyl chloride	ND		21		ug/m3			03/13/14 03:06	1
Bromomethane	ND		7.8		ug/m3			03/13/14 03:06	1
Carbon tetrachloride	ND		13		ug/m3			03/13/14 03:06	1
Chlorobenzene	ND		9.2		ug/m3			03/13/14 03:06	1
Chloroethane	ND		5.3		ug/m3			03/13/14 03:06	1
Chloroform	ND		9.8		ug/m3			03/13/14 03:06	1
Chloromethane	ND		10		ug/m3			03/13/14 03:06	1

Client Sample ID: SMSSV9-10 **Lab Sample ID: 140-1006-7**
Date Collected: 03/06/14 09:50 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 03:06	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 03:06	1
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 03:06	1
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 03:06	1
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 03:06	1
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 03:06	1
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 03:06	1
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 03:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 03:06	1
Ethylbenzene	**10**		8.7		ug/m3			03/13/14 03:06	1
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 03:06	1
Methylene Chloride	ND		17		ug/m3			03/13/14 03:06	1
m-Xylene & p-Xylene	**38**		8.7		ug/m3			03/13/14 03:06	1
o-Xylene	**18**		8.7		ug/m3			03/13/14 03:06	1
Styrene	ND		8.5		ug/m3			03/13/14 03:06	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 03:06	1
Tetrachloroethene	ND		14		ug/m3			03/13/14 03:06	1
Toluene	**47**		7.5		ug/m3			03/13/14 03:06	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 03:06	1
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 03:06	1
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 03:06	1
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 03:06	1
Trichloroethene	ND		11		ug/m3			03/13/14 03:06	1
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 03:06	1
1,2,4-Trimethylbenzene	**23**		9.8		ug/m3			03/13/14 03:06	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 03:06	1
Vinyl chloride	ND		5.1		ug/m3			03/13/14 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*03/13/14 03:06*	*1*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV4-15
Lab Sample ID: 140-1006-8
Date Collected: 03/06/14 10:25
Matrix: Air
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.7**		2.0		ppb v/v			03/13/14 04:00	1.25
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 04:00	1.25
Bromomethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloroform	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloromethane	ND		5.0		ppb v/v			03/13/14 04:00	1.25
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Ethylbenzene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 04:00	1.25
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 04:00	1.25
m-Xylene & p-Xylene	**29**		2.0		ppb v/v			03/13/14 04:00	1.25
o-Xylene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
Styrene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Toluene	**30**		2.0		ppb v/v			03/13/14 04:00	1.25
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 04:00	1.25
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Trichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2,4-Trimethylbenzene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
1,3,5-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 04:00	1.25
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 04:00	1.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**21**		6.4		ug/m3			03/13/14 04:00	1.25
Benzyl chloride	ND		21		ug/m3			03/13/14 04:00	1.25
Bromomethane	ND		7.8		ug/m3			03/13/14 04:00	1.25
Carbon tetrachloride	ND		13		ug/m3			03/13/14 04:00	1.25
Chlorobenzene	ND		9.2		ug/m3			03/13/14 04:00	1.25
Chloroethane	ND		5.3		ug/m3			03/13/14 04:00	1.25
Chloroform	ND		9.8		ug/m3			03/13/14 04:00	1.25
Chloromethane	ND		10		ug/m3			03/13/14 04:00	1.25

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV4-15
Date Collected: 03/06/14 10:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-8
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 04:00	1.25
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 04:00	1.25
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 04:00	1.25
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 04:00	1.25
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 04:00	1.25
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 04:00	1.25
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 04:00	1.25
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 04:00	1.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 04:00	1.25
Ethylbenzene	**48**		8.7		ug/m3			03/13/14 04:00	1.25
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 04:00	1.25
Methylene Chloride	ND		17		ug/m3			03/13/14 04:00	1.25
m-Xylene & p-Xylene	**130**		8.7		ug/m3			03/13/14 04:00	1.25
o-Xylene	**47**		8.7		ug/m3			03/13/14 04:00	1.25
Styrene	ND		8.5		ug/m3			03/13/14 04:00	1.25
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 04:00	1.25
Tetrachloroethene	ND		14		ug/m3			03/13/14 04:00	1.25
Toluene	**110**		7.5		ug/m3			03/13/14 04:00	1.25
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 04:00	1.25
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 04:00	1.25
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 04:00	1.25
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 04:00	1.25
Trichloroethene	ND		11		ug/m3			03/13/14 04:00	1.25
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 04:00	1.25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 04:00	1.25
1,2,4-Trimethylbenzene	**56**		9.8		ug/m3			03/13/14 04:00	1.25
1,3,5-Trimethylbenzene	**14**		9.8		ug/m3			03/13/14 04:00	1.25
Vinyl chloride	ND		5.1		ug/m3			03/13/14 04:00	1.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*		*03/13/14 04:00*	*1.25*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV6-5
Date Collected: 03/06/14 10:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-9
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Benzyl chloride	ND		3.6		ppb v/v			03/13/14 04:54	1
Bromomethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Carbon tetrachloride	ND		1.8		ppb v/v			03/13/14 04:54	1
Chlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloroform	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloromethane	ND		4.5		ppb v/v			03/13/14 04:54	1
cis-1,2-Dichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
cis-1,3-Dichloropropene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dibromoethane (EDB)	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,3-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,4-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Dichlorodifluoromethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1-Dichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1-Dichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloropropane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Ethylbenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Hexachlorobutadiene	ND		9.1		ppb v/v			03/13/14 04:54	1
Methylene Chloride	ND		4.5		ppb v/v			03/13/14 04:54	1
m-Xylene & p-Xylene	**5.7**		1.8		ppb v/v			03/13/14 04:54	1
o-Xylene	**2.4**		1.8		ppb v/v			03/13/14 04:54	1
Styrene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2,2-Tetrachloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Tetrachloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
Toluene	**2.9**		1.8		ppb v/v			03/13/14 04:54	1
trans-1,3-Dichloropropene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2,4-Trichlorobenzene	ND		9.1		ppb v/v			03/13/14 04:54	1
1,1,1-Trichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2-Trichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Trichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
Trichlorofluoromethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2,4-Trimethylbenzene	**2.6**		1.8		ppb v/v			03/13/14 04:54	1
1,3,5-Trimethylbenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Vinyl chloride	ND		1.8		ppb v/v			03/13/14 04:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.8		ug/m3			03/13/14 04:54	1
Benzyl chloride	ND		19		ug/m3			03/13/14 04:54	1
Bromomethane	ND		7.1		ug/m3			03/13/14 04:54	1
Carbon tetrachloride	ND		11		ug/m3			03/13/14 04:54	1
Chlorobenzene	ND		8.4		ug/m3			03/13/14 04:54	1
Chloroethane	ND		4.8		ug/m3			03/13/14 04:54	1
Chloroform	ND		8.9		ug/m3			03/13/14 04:54	1
Chloromethane	ND		9.4		ug/m3			03/13/14 04:54	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV6-5
Date Collected: 03/06/14 10:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-9
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.2		ug/m3			03/13/14 04:54	1
cis-1,3-Dichloropropene	ND		8.3		ug/m3			03/13/14 04:54	1
1,2-Dibromoethane (EDB)	ND		14		ug/m3			03/13/14 04:54	1
1,2-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
1,3-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
1,4-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
Dichlorodifluoromethane	ND		9.0		ug/m3			03/13/14 04:54	1
1,1-Dichloroethane	ND		7.4		ug/m3			03/13/14 04:54	1
1,2-Dichloroethane	ND		7.4		ug/m3			03/13/14 04:54	1
1,1-Dichloroethene	ND		7.2		ug/m3			03/13/14 04:54	1
1,2-Dichloropropane	ND		8.4		ug/m3			03/13/14 04:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		13		ug/m3			03/13/14 04:54	1
Ethylbenzene	ND		7.9		ug/m3			03/13/14 04:54	1
Hexachlorobutadiene	ND		97		ug/m3			03/13/14 04:54	1
Methylene Chloride	ND		16		ug/m3			03/13/14 04:54	1
m-Xylene & p-Xylene	**25**		7.9		ug/m3			03/13/14 04:54	1
o-Xylene	**10**		7.9		ug/m3			03/13/14 04:54	1
Styrene	ND		7.7		ug/m3			03/13/14 04:54	1
1,1,2,2-Tetrachloroethane	ND		12		ug/m3			03/13/14 04:54	1
Tetrachloroethene	ND		12		ug/m3			03/13/14 04:54	1
Toluene	**11**		6.9		ug/m3			03/13/14 04:54	1
trans-1,3-Dichloropropene	ND		8.3		ug/m3			03/13/14 04:54	1
1,2,4-Trichlorobenzene	ND		67		ug/m3			03/13/14 04:54	1
1,1,1-Trichloroethane	ND		9.9		ug/m3			03/13/14 04:54	1
1,1,2-Trichloroethane	ND		9.9		ug/m3			03/13/14 04:54	1
Trichloroethene	ND		9.8		ug/m3			03/13/14 04:54	1
Trichlorofluoromethane	ND		10		ug/m3			03/13/14 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			03/13/14 04:54	1
1,2,4-Trimethylbenzene	**13**		8.9		ug/m3			03/13/14 04:54	1
1,3,5-Trimethylbenzene	ND		8.9		ug/m3			03/13/14 04:54	1
Vinyl chloride	ND		4.6		ug/m3			03/13/14 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/13/14 04:54*	*1*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV7-3
Date Collected: 03/06/14 11:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-10
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Benzyl chloride	ND		7.3		ppb v/v			03/13/14 05:48	1
Bromomethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Carbon tetrachloride	ND		3.6		ppb v/v			03/13/14 05:48	1
Chlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloroform	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloromethane	ND		9.1		ppb v/v			03/13/14 05:48	1
cis-1,2-Dichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
cis-1,3-Dichloropropene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dibromoethane (EDB)	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,3-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,4-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Dichlorodifluoromethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1-Dichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1-Dichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloropropane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Ethylbenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Hexachlorobutadiene	ND		18		ppb v/v			03/13/14 05:48	1
Methylene Chloride	ND		9.1		ppb v/v			03/13/14 05:48	1
m-Xylene & p-Xylene	**5.3**		3.6		ppb v/v			03/13/14 05:48	1
o-Xylene	ND		3.6		ppb v/v			03/13/14 05:48	1
Styrene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2,2-Tetrachloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Tetrachloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
Toluene	**3.7**		3.6		ppb v/v			03/13/14 05:48	1
trans-1,3-Dichloropropene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2,4-Trichlorobenzene	ND		18		ppb v/v			03/13/14 05:48	1
1,1,1-Trichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2-Trichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Trichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
Trichlorofluoromethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2,4-Trimethylbenzene	**4.5**		3.6		ppb v/v			03/13/14 05:48	1
1,3,5-Trimethylbenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Vinyl chloride	ND		3.6		ppb v/v			03/13/14 05:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		12		ug/m3			03/13/14 05:48	1
Benzyl chloride	ND		38		ug/m3			03/13/14 05:48	1
Bromomethane	ND		14		ug/m3			03/13/14 05:48	1
Carbon tetrachloride	ND		23		ug/m3			03/13/14 05:48	1
Chlorobenzene	ND		17		ug/m3			03/13/14 05:48	1
Chloroethane	ND		9.6		ug/m3			03/13/14 05:48	1
Chloroform	ND		18		ug/m3			03/13/14 05:48	1
Chloromethane	ND		19		ug/m3			03/13/14 05:48	1

Client Sample ID: SMSSV7-3 **Lab Sample ID: 140-1006-10**
Date Collected: 03/06/14 11:25 **Matrix: Air**
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		14		ug/m3			03/13/14 05:48	1
cis-1,3-Dichloropropene	ND		17		ug/m3			03/13/14 05:48	1
1,2-Dibromoethane (EDB)	ND		28		ug/m3			03/13/14 05:48	1
1,2-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
1,3-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
1,4-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
Dichlorodifluoromethane	ND		18		ug/m3			03/13/14 05:48	1
1,1-Dichloroethane	ND		15		ug/m3			03/13/14 05:48	1
1,2-Dichloroethane	ND		15		ug/m3			03/13/14 05:48	1
1,1-Dichloroethene	ND		14		ug/m3			03/13/14 05:48	1
1,2-Dichloropropane	ND		17		ug/m3			03/13/14 05:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		25		ug/m3			03/13/14 05:48	1
Ethylbenzene	ND		16		ug/m3			03/13/14 05:48	1
Hexachlorobutadiene	ND		190		ug/m3			03/13/14 05:48	1
Methylene Chloride	ND		32		ug/m3			03/13/14 05:48	1
m-Xylene & p-Xylene	**23**		16		ug/m3			03/13/14 05:48	1
o-Xylene	ND		16		ug/m3			03/13/14 05:48	1
Styrene	ND		15		ug/m3			03/13/14 05:48	1
1,1,2,2-Tetrachloroethane	ND		25		ug/m3			03/13/14 05:48	1
Tetrachloroethene	ND		25		ug/m3			03/13/14 05:48	1
Toluene	**14**		14		ug/m3			03/13/14 05:48	1
trans-1,3-Dichloropropene	ND		17		ug/m3			03/13/14 05:48	1
1,2,4-Trichlorobenzene	ND		130		ug/m3			03/13/14 05:48	1
1,1,1-Trichloroethane	ND		20		ug/m3			03/13/14 05:48	1
1,1,2-Trichloroethane	ND		20		ug/m3			03/13/14 05:48	1
Trichloroethene	ND		20		ug/m3			03/13/14 05:48	1
Trichlorofluoromethane	ND		20		ug/m3			03/13/14 05:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28		ug/m3			03/13/14 05:48	1
1,2,4-Trimethylbenzene	**22**		18		ug/m3			03/13/14 05:48	1
1,3,5-Trimethylbenzene	ND		18		ug/m3			03/13/14 05:48	1
Vinyl chloride	ND		9.3		ug/m3			03/13/14 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/13/14 05:48*	*1*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	0.20	0.030	ppb v/v	TO-15
1,1,1-Trichloroethane	1.1	0.16	ug/m3	TO-15
1,1,2,2-Tetrachloroethane	0.20	0.061	ppb v/v	TO-15
1,1,2,2-Tetrachloroethane	1.4	0.42	ug/m3	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	0.031	ppb v/v	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	0.24	ug/m3	TO-15
1,1,2-Trichloroethane	0.20	0.054	ppb v/v	TO-15
1,1,2-Trichloroethane	1.1	0.29	ug/m3	TO-15
1,1-Dichloroethane	0.20	0.026	ppb v/v	TO-15
1,1-Dichloroethane	0.81	0.11	ug/m3	TO-15
1,1-Dichloroethene	0.20	0.034	ppb v/v	TO-15
1,1-Dichloroethene	0.79	0.13	ug/m3	TO-15
1,2,4-Trichlorobenzene	1.0	0.098	ppb v/v	TO-15
1,2,4-Trichlorobenzene	7.4	0.73	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.20	0.063	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.98	0.31	ug/m3	TO-15
1,2-Dibromoethane (EDB)	0.20	0.044	ppb v/v	TO-15
1,2-Dibromoethane (EDB)	1.5	0.34	ug/m3	TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20	0.032	ppb v/v	TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.4	0.22	ug/m3	TO-15
1,2-Dichlorobenzene	0.20	0.070	ppb v/v	TO-15
1,2-Dichlorobenzene	1.2	0.42	ug/m3	TO-15
1,2-Dichloroethane	0.20	0.047	ppb v/v	TO-15
1,2-Dichloroethane	0.81	0.19	ug/m3	TO-15
1,2-Dichloropropane	0.20	0.052	ppb v/v	TO-15
1,2-Dichloropropane	0.92	0.24	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.20	0.065	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.98	0.32	ug/m3	TO-15
1,3-Dichlorobenzene	0.20	0.065	ppb v/v	TO-15
1,3-Dichlorobenzene	1.2	0.39	ug/m3	TO-15
1,4-Dichlorobenzene	0.20	0.064	ppb v/v	TO-15
1,4-Dichlorobenzene	1.2	0.38	ug/m3	TO-15
Benzene	0.20	0.056	ppb v/v	TO-15
Benzene	0.64	0.18	ug/m3	TO-15
Benzyl chloride	0.40	0.078	ppb v/v	TO-15
Benzyl chloride	2.1	0.40	ug/m3	TO-15
Bromomethane	0.20	0.032	ppb v/v	TO-15
Bromomethane	0.78	0.12	ug/m3	TO-15
Carbon tetrachloride	0.20	0.038	ppb v/v	TO-15
Carbon tetrachloride	1.3	0.24	ug/m3	TO-15
Chlorobenzene	0.20	0.049	ppb v/v	TO-15
Chlorobenzene	0.92	0.23	ug/m3	TO-15
Chloroethane	0.20	0.035	ppb v/v	TO-15
Chloroethane	0.53	0.092	ug/m3	TO-15
Chloroform	0.20	0.038	ppb v/v	TO-15
Chloroform	0.98	0.19	ug/m3	TO-15
Chloromethane	0.50	0.16	ppb v/v	TO-15
Chloromethane	1.0	0.33	ug/m3	TO-15
cis-1,2-Dichloroethene	0.20	0.060	ppb v/v	TO-15
cis-1,2-Dichloroethene	0.79	0.24	ug/m3	TO-15
cis-1,3-Dichloropropene	0.20	0.074	ppb v/v	TO-15
cis-1,3-Dichloropropene	0.91	0.34	ug/m3	TO-15

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units	Method
Dichlorodifluoromethane	0.20	0.068	ppb v/v	TO-15
Dichlorodifluoromethane	0.99	0.34	ug/m3	TO-15
Ethylbenzene	0.20	0.068	ppb v/v	TO-15
Ethylbenzene	0.87	0.30	ug/m3	TO-15
Hexachlorobutadiene	1.0	0.078	ppb v/v	TO-15
Hexachlorobutadiene	11	0.83	ug/m3	TO-15
Methylene Chloride	0.50	0.13	ppb v/v	TO-15
Methylene Chloride	1.7	0.45	ug/m3	TO-15
m-Xylene & p-Xylene	0.20	0.12	ppb v/v	TO-15
m-Xylene & p-Xylene	0.87	0.52	ug/m3	TO-15
o-Xylene	0.20	0.061	ppb v/v	TO-15
o-Xylene	0.87	0.26	ug/m3	TO-15
Styrene	0.20	0.058	ppb v/v	TO-15
Styrene	0.85	0.25	ug/m3	TO-15
Tetrachloroethene	0.20	0.040	ppb v/v	TO-15
Tetrachloroethene	1.4	0.27	ug/m3	TO-15
Toluene	0.20	0.12	ppb v/v	TO-15
Toluene	0.75	0.45	ug/m3	TO-15
trans-1,3-Dichloropropene	0.20	0.048	ppb v/v	TO-15
trans-1,3-Dichloropropene	0.91	0.22	ug/m3	TO-15
Trichloroethene	0.20	0.036	ppb v/v	TO-15
Trichloroethene	1.1	0.19	ug/m3	TO-15
Trichlorofluoromethane	0.20	0.024	ppb v/v	TO-15
Trichlorofluoromethane	1.1	0.13	ug/m3	TO-15
Vinyl chloride	0.20	0.071	ppb v/v	TO-15
Vinyl chloride	0.51	0.18	ug/m3	TO-15

Surrogate Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB								
Lab Sample ID	Client Sample ID	(60-140)								
140-1006-1	SMSSV8-15	98								
140-1006-2	SMSSV1-5	100								
140-1006-3	SMSSV2-10	97								
140-1006-4	SMSSV92-10	98								
140-1006-5	SMSSV3-10	97								
140-1006-6	SMSSV5-7	96								
140-1006-7	SMSSV9-10	92								
140-1006-8	SMSSV4-15	99								
140-1006-9	SMSSV6-5	94								
140-1006-10	SMSSV7-3	94								
LCS 140-950/1002	Lab Control Sample	99								
MB 140-950/4	Method Blank	96								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-950/4
Matrix: Air
Analysis Batch: 950

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Benzyl chloride	ND		0.40		ppb v/v			03/12/14 12:43	1
Bromomethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Carbon tetrachloride	ND		0.20		ppb v/v			03/12/14 12:43	1
Chlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloroform	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloromethane	ND		0.50		ppb v/v			03/12/14 12:43	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
cis-1,3-Dichloropropene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dibromoethane (EDB)	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,3-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,4-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Dichlorodifluoromethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1-Dichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloropropane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Ethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Hexachlorobutadiene	ND		1.0		ppb v/v			03/12/14 12:43	1
Methylene Chloride	ND		0.50		ppb v/v			03/12/14 12:43	1
m-Xylene & p-Xylene	ND		0.20		ppb v/v			03/12/14 12:43	1
o-Xylene	ND		0.20		ppb v/v			03/12/14 12:43	1
Styrene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Tetrachloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
Toluene	ND		0.20		ppb v/v			03/12/14 12:43	1
trans-1,3-Dichloropropene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2,4-Trichlorobenzene	ND		1.0		ppb v/v			03/12/14 12:43	1
1,1,1-Trichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2-Trichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Trichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
Trichlorofluoromethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2,4-Trimethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,3,5-Trimethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Vinyl chloride	ND		0.20		ppb v/v			03/12/14 12:43	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.64		ug/m3			03/12/14 12:43	1
Benzyl chloride	ND		2.1		ug/m3			03/12/14 12:43	1
Bromomethane	ND		0.78		ug/m3			03/12/14 12:43	1
Carbon tetrachloride	ND		1.3		ug/m3			03/12/14 12:43	1
Chlorobenzene	ND		0.92		ug/m3			03/12/14 12:43	1
Chloroethane	ND		0.53		ug/m3			03/12/14 12:43	1
Chloroform	ND		0.98		ug/m3			03/12/14 12:43	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-950/4
Matrix: Air
Analysis Batch: 950

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/m3			03/12/14 12:43	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			03/12/14 12:43	1
cis-1,3-Dichloropropene	ND		0.91		ug/m3			03/12/14 12:43	1
1,2-Dibromoethane (EDB)	ND		1.5		ug/m3			03/12/14 12:43	1
1,2-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
1,3-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
1,4-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
Dichlorodifluoromethane	ND		0.99		ug/m3			03/12/14 12:43	1
1,1-Dichloroethane	ND		0.81		ug/m3			03/12/14 12:43	1
1,2-Dichloroethane	ND		0.81		ug/m3			03/12/14 12:43	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/12/14 12:43	1
1,2-Dichloropropane	ND		0.92		ug/m3			03/12/14 12:43	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.4		ug/m3			03/12/14 12:43	1
Ethylbenzene	ND		0.87		ug/m3			03/12/14 12:43	1
Hexachlorobutadiene	ND		11		ug/m3			03/12/14 12:43	1
Methylene Chloride	ND		1.7		ug/m3			03/12/14 12:43	1
m-Xylene & p-Xylene	ND		0.87		ug/m3			03/12/14 12:43	1
o-Xylene	ND		0.87		ug/m3			03/12/14 12:43	1
Styrene	ND		0.85		ug/m3			03/12/14 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/m3			03/12/14 12:43	1
Tetrachloroethene	ND		1.4		ug/m3			03/12/14 12:43	1
Toluene	ND		0.75		ug/m3			03/12/14 12:43	1
trans-1,3-Dichloropropene	ND		0.91		ug/m3			03/12/14 12:43	1
1,2,4-Trichlorobenzene	ND		7.4		ug/m3			03/12/14 12:43	1
1,1,1-Trichloroethane	ND		1.1		ug/m3			03/12/14 12:43	1
1,1,2-Trichloroethane	ND		1.1		ug/m3			03/12/14 12:43	1
Trichloroethene	ND		1.1		ug/m3			03/12/14 12:43	1
Trichlorofluoromethane	ND		1.1		ug/m3			03/12/14 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ug/m3			03/12/14 12:43	1
1,2,4-Trimethylbenzene	ND		0.98		ug/m3			03/12/14 12:43	1
1,3,5-Trimethylbenzene	ND		0.98		ug/m3			03/12/14 12:43	1
Vinyl chloride	ND		0.51		ug/m3			03/12/14 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/12/14 12:43*	*1*

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.00	2.21		ppb v/v		110	70 - 130
Benzyl chloride	2.00	2.50		ppb v/v		125	70 - 130
Bromomethane	2.00	1.92		ppb v/v		96	70 - 130
Carbon tetrachloride	2.00	2.29		ppb v/v		115	70 - 130
Chlorobenzene	2.00	2.19		ppb v/v		110	70 - 130
Chloroethane	2.00	1.96		ppb v/v		98	70 - 130
Chloroform	2.00	2.07		ppb v/v		103	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	2.00	1.92		ppb v/v		96	60 - 140
cis-1,2-Dichloroethene	2.00	2.11		ppb v/v		106	70 - 130
cis-1,3-Dichloropropene	2.00	2.19		ppb v/v		109	70 - 130
1,2-Dibromoethane (EDB)	2.00	2.35		ppb v/v		117	70 - 130
1,2-Dichlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
1,3-Dichlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
1,4-Dichlorobenzene	2.00	2.21		ppb v/v		110	70 - 130
Dichlorodifluoromethane	2.00	1.96		ppb v/v		98	60 - 140
1,1-Dichloroethane	2.00	2.08		ppb v/v		104	70 - 130
1,2-Dichloroethane	2.00	2.25		ppb v/v		113	70 - 130
1,1-Dichloroethene	2.00	1.97		ppb v/v		99	70 - 130
1,2-Dichloropropane	2.00	2.20		ppb v/v		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.02		ppb v/v		101	60 - 140
Ethylbenzene	2.00	2.44		ppb v/v		122	70 - 130
Hexachlorobutadiene	2.00	1.86		ppb v/v		93	60 - 140
Methylene Chloride	2.00	1.95		ppb v/v		98	70 - 130
m-Xylene & p-Xylene	4.00	4.77		ppb v/v		119	70 - 130
o-Xylene	2.00	2.43		ppb v/v		122	70 - 130
Styrene	2.00	2.50		ppb v/v		125	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.46		ppb v/v		123	70 - 130
Tetrachloroethene	2.00	2.23		ppb v/v		112	70 - 130
Toluene	2.00	2.40		ppb v/v		120	70 - 130
trans-1,3-Dichloropropene	2.00	2.46		ppb v/v		123	70 - 130
1,2,4-Trichlorobenzene	2.00	2.34		ppb v/v		117	60 - 140
1,1,1-Trichloroethane	2.00	2.07		ppb v/v		103	70 - 130
1,1,2-Trichloroethane	2.00	2.33		ppb v/v		116	70 - 130
Trichloroethene	2.00	2.26		ppb v/v		113	70 - 130
Trichlorofluoromethane	2.00	2.00		ppb v/v		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.00		ppb v/v		100	70 - 130
1,2,4-Trimethylbenzene	2.00	2.44		ppb v/v		122	70 - 130
1,3,5-Trimethylbenzene	2.00	2.39		ppb v/v		119	70 - 130
Vinyl chloride	2.00	1.98		ppb v/v		99	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	6.4	7.06		ug/m3		110	70 - 130
Benzyl chloride	10	12.9		ug/m3		125	70 - 130
Bromomethane	7.8	7.45		ug/m3		96	70 - 130
Carbon tetrachloride	13	14.4		ug/m3		115	70 - 130
Chlorobenzene	9.2	10.1		ug/m3		110	70 - 130
Chloroethane	5.3	5.17		ug/m3		98	70 - 130
Chloroform	9.8	10.1		ug/m3		103	70 - 130
Chloromethane	4.1	3.97		ug/m3		96	60 - 140
cis-1,2-Dichloroethene	7.9	8.38		ug/m3		106	70 - 130
cis-1,3-Dichloropropene	9.1	9.92		ug/m3		109	70 - 130
1,2-Dibromoethane (EDB)	15	18.0		ug/m3		117	70 - 130
1,2-Dichlorobenzene	12	13.3		ug/m3		110	70 - 130
1,3-Dichlorobenzene	12	13.2		ug/m3		110	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	12	13.3		ug/m3		110	70 - 130
Dichlorodifluoromethane	9.9	9.68		ug/m3		98	60 - 140
1,1-Dichloroethane	8.1	8.40		ug/m3		104	70 - 130
1,2-Dichloroethane	8.1	9.12		ug/m3		113	70 - 130
1,1-Dichloroethene	7.9	7.82		ug/m3		99	70 - 130
1,2-Dichloropropane	9.2	10.2		ug/m3		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	14.2		ug/m3		101	60 - 140
Ethylbenzene	8.7	10.6		ug/m3		122	70 - 130
Hexachlorobutadiene	21	19.8		ug/m3		93	60 - 140
Methylene Chloride	6.9	6.79		ug/m3		98	70 - 130
m-Xylene & p-Xylene	17	20.7		ug/m3		119	70 - 130
o-Xylene	8.7	10.6		ug/m3		122	70 - 130
Styrene	8.5	10.6		ug/m3		125	70 - 130
1,1,2,2-Tetrachloroethane	14	16.9		ug/m3		123	70 - 130
Tetrachloroethene	14	15.2		ug/m3		112	70 - 130
Toluene	7.5	9.03		ug/m3		120	70 - 130
trans-1,3-Dichloropropene	9.1	11.2		ug/m3		123	70 - 130
1,2,4-Trichlorobenzene	15	17.4		ug/m3		117	60 - 140
1,1,1-Trichloroethane	11	11.3		ug/m3		103	70 - 130
1,1,2-Trichloroethane	11	12.7		ug/m3		116	70 - 130
Trichloroethene	11	12.1		ug/m3		113	70 - 130
Trichlorofluoromethane	11	11.3		ug/m3		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	15	15.3		ug/m3		100	70 - 130
1,2,4-Trimethylbenzene	9.8	12.0		ug/m3		122	70 - 130
1,3,5-Trimethylbenzene	9.8	11.7		ug/m3		119	70 - 130
Vinyl chloride	5.1	5.05		ug/m3		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*

Air - GC/MS VOA

Analysis Batch: 950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-1006-1	SMSSV8-15	Total/NA	Air	TO-15	
140-1006-2	SMSSV1-5	Total/NA	Air	TO-15	
140-1006-3	SMSSV2-10	Total/NA	Air	TO-15	
140-1006-4	SMSSV92-10	Total/NA	Air	TO-15	
140-1006-5	SMSSV3-10	Total/NA	Air	TO-15	
140-1006-6	SMSSV5-7	Total/NA	Air	TO-15	
140-1006-7	SMSSV9-10	Total/NA	Air	TO-15	
140-1006-8	SMSSV4-15	Total/NA	Air	TO-15	
140-1006-9	SMSSV6-5	Total/NA	Air	TO-15	
140-1006-10	SMSSV7-3	Total/NA	Air	TO-15	
LCS 140-950/1002	Lab Control Sample	Total/NA	Air	TO-15	
MB 140-950/4	Method Blank	Total/NA	Air	TO-15	

Client Sample ID: SMSSV8-15

Lab Sample ID: 140-1006-1

Date Collected: 03/05/14 15:05

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.32	26.4 mL	500 mL	950	03/12/14 21:43	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV1-5

Lab Sample ID: 140-1006-2

Date Collected: 03/05/14 15:50

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.47	29.4 mL	500 mL	950	03/12/14 22:37	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV2-10

Lab Sample ID: 140-1006-3

Date Collected: 03/05/14 16:11

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.03	40.6 mL	500 mL	950	03/12/14 23:31	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV92-10

Lab Sample ID: 140-1006-4

Date Collected: 03/05/14 16:13

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.22	44.4 mL	500 mL	950	03/13/14 00:25	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV3-10

Lab Sample ID: 140-1006-5

Date Collected: 03/05/14 17:33

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		11.62	200 mL	500 mL	950	03/13/14 08:29	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV5-7

Lab Sample ID: 140-1006-6

Date Collected: 03/05/14 17:07

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	950	03/13/14 02:12	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV9-10

Lab Sample ID: 140-1006-7

Date Collected: 03/06/14 09:50

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	950	03/13/14 03:06	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV4-15

Lab Sample ID: 140-1006-8

Date Collected: 03/06/14 10:25

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.25	25 mL	500 mL	950	03/13/14 04:00	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV6-5

Lab Sample ID: 140-1006-9

Date Collected: 03/06/14 10:50

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	22 mL	500 mL	950	03/13/14 04:54	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV7-3

Lab Sample ID: 140-1006-10

Date Collected: 03/06/14 11:25

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	11 mL	500 mL	950	03/13/14 05:48	AFB	TAL KNX
	Instrument ID: MJ									

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Certification Summary

Client: J.M. Waller Associates, Inc. TestAmerica Job ID: 140-1006-1
Project/Site: Smokey Mountain Smelter

Laboratory: TestAmerica Knoxville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		N/A	
Arkansas DEQ	State Program	6	88-0688	06-17-14
California	State Program	9	2423	06-30-14
Colorado	State Program	8	N/A	02-28-15
Connecticut	State Program	1	PH-0223	09-30-15
Florida	NELAP	4	E87177	06-30-14
Georgia	State Program	4	906	06-13-14
Hawaii	State Program	9	N/A	04-13-14
Iowa	State Program	7	375	08-01-14
Kansas	NELAP	7	E-10349	10-31-14
Kentucky (DW)	State Program	4	90101	12-31-14
L-A-B	DoD ELAP		L2311	02-13-16
Louisiana	NELAP	6	LA110001	12-31-14
Maryland	State Program	3	277	03-31-14
Michigan	State Program	5	9933	04-13-14
Nevada	State Program	9	TN00009	07-31-14
New Jersey	NELAP	2	TN001	06-30-14
New York	NELAP	2	10781	04-01-14 *
North Carolina DENR	State Program	4	64	12-31-14
North Carolina DHHS	State Program	4	21705	07-31-14
Ohio VAP	State Program	5	CL0059	03-26-15
Oklahoma	State Program	6	9415	08-31-14
Pennsylvania	NELAP	3	68-00576	12-31-14
South Carolina	State Program	4	84001	06-30-14
Tennessee	State Program	4	2014	04-13-14
Texas	NELAP	6	T104704380-TX	08-31-14
USDA	Federal		P330-13-00260	08-29-16
Utah	NELAP	8	QUAN3	07-31-14
Virginia	NELAP	3	460176	09-14-14
Virginia	State Program	3	165	06-30-14
Washington	State Program	10	C593	01-19-15
West Virginia DEP	State Program	3	345	04-30-14
West Virginia DHHR	State Program	3	9955C	12-31-14
Wisconsin	State Program	5	998044300	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-1006-1	SMSSV8-15	Air	03/05/14 15:05	03/06/14 13:45
140-1006-2	SMSSV1-5	Air	03/05/14 15:50	03/06/14 13:45
140-1006-3	SMSSV2-10	Air	03/05/14 16:11	03/06/14 13:45
140-1006-4	SMSSV92-10	Air	03/05/14 16:13	03/06/14 13:45
140-1006-5	SMSSV3-10	Air	03/05/14 17:33	03/06/14 13:45
140-1006-6	SMSSV5-7	Air	03/05/14 17:07	03/06/14 13:45
140-1006-7	SMSSV9-10	Air	03/06/14 09:50	03/06/14 13:45
140-1006-8	SMSSV4-15	Air	03/06/14 10:25	03/06/14 13:45
140-1006-9	SMSSV6-5	Air	03/06/14 10:50	03/06/14 13:45
140-1006-10	SMSSV7-3	Air	03/06/14 11:25	03/06/14 13:45

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM II
AIR - GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Matrix: Air Level: Low

GC Column (1): RTX-5 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	BFB #
SMSSV8-15	140-1006-1	98
SMSSV1-5	140-1006-2	100
SMSSV2-10	140-1006-3	97
SMSSV92-10	140-1006-4	98
SMSSV3-10	140-1006-5	97
SMSSV5-7	140-1006-6	96
SMSSV9-10	140-1006-7	92
SMSSV4-15	140-1006-8	99
SMSSV6-5	140-1006-9	94
SMSSV7-3	140-1006-10	94
	MB 140-950/4	96
	LCS 140-950/1002	99

	QC LIMITS
BFB = 4-Bromofluorobenzene (Surr)	60-140

Column to be used to flag recovery values

FORM II TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Matrix: Air Level: Low Lab File ID: JCCVC12-LCS.d

Lab ID: LCS 140-950/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Benzene	2.00	2.21	110	70-130	
Benzyl chloride	2.00	2.50	125	70-130	
Bromomethane	2.00	1.92	96	70-130	
Carbon tetrachloride	2.00	2.29	115	70-130	
Chlorobenzene	2.00	2.19	110	70-130	
Chloroethane	2.00	1.96	98	70-130	
Chloroform	2.00	2.07	103	70-130	
Chloromethane	2.00	1.92	96	60-140	
cis-1,2-Dichloroethene	2.00	2.11	106	70-130	
cis-1,3-Dichloropropene	2.00	2.19	109	70-130	
1,2-Dibromoethane (EDB)	2.00	2.35	117	70-130	
1,2-Dichlorobenzene	2.00	2.20	110	70-130	
1,3-Dichlorobenzene	2.00	2.20	110	70-130	
1,4-Dichlorobenzene	2.00	2.21	110	70-130	
Dichlorodifluoromethane	2.00	1.96	98	60-140	
1,1-Dichloroethane	2.00	2.08	104	70-130	
1,2-Dichloroethane	2.00	2.25	113	70-130	
1,1-Dichloroethene	2.00	1.97	99	70-130	
1,2-Dichloropropane	2.00	2.20	110	70-130	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.02	101	60-140	
Ethylbenzene	2.00	2.44	122	70-130	
Hexachlorobutadiene	2.00	1.86	93	60-140	
Methylene Chloride	2.00	1.95	98	70-130	
m-Xylene & p-Xylene	4.00	4.77	119	70-130	
o-Xylene	2.00	2.43	122	70-130	
Styrene	2.00	2.50	125	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.46	123	70-130	
Tetrachloroethene	2.00	2.23	112	70-130	
Toluene	2.00	2.40	120	70-130	
trans-1,3-Dichloropropene	2.00	2.46	123	70-130	
1,2,4-Trichlorobenzene	2.00	2.34	117	60-140	
1,1,1-Trichloroethane	2.00	2.07	103	70-130	
1,1,2-Trichloroethane	2.00	2.33	116	70-130	
Trichloroethene	2.00	2.26	113	70-130	
Trichlorofluoromethane	2.00	2.00	100	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.00	100	70-130	
1,2,4-Trimethylbenzene	2.00	2.44	122	70-130	
1,3,5-Trimethylbenzene	2.00	2.39	119	70-130	
Vinyl chloride	2.00	1.98	99	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab File ID: JBLKC12.D Lab Sample ID: MB 140-950/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MJ Date Analyzed: 03/12/2014 12:43

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-950/1002	JCCVC12-LCS .d	03/12/2014 09:40
SMSSV8-15	140-1006-1	JC12P108.D	03/12/2014 21:43
SMSSV1-5	140-1006-2	JC12P109.D	03/12/2014 22:37
SMSSV2-10	140-1006-3	JC12P110.D	03/12/2014 23:31
SMSSV92-10	140-1006-4	JC12P111.D	03/13/2014 00:25
SMSSV5-7	140-1006-6	JC12P113.D	03/13/2014 02:12
SMSSV9-10	140-1006-7	JC12P114.D	03/13/2014 03:06
SMSSV4-15	140-1006-8	JC12P115.D	03/13/2014 04:00
SMSSV6-5	140-1006-9	JC12P201.D	03/13/2014 04:54
SMSSV7-3	140-1006-10	JC12P202.D	03/13/2014 05:48
SMSSV3-10	140-1006-5	JC12P112R.D	03/13/2014 08:29

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab File ID: JBFBC11.D BFB Injection Date: 03/11/2014

Instrument ID: MJ BFB Injection Time: 12:12

Analysis Batch No.: 946

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	41.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	111.2	
175	5.0 - 9.0 % of mass 174	8.5	(7.7)1
176	95.0 - 101.0 % of mass 174	108.1	(97.2)1
177	5.0 - 9.0 % of mass 176	7.2	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-946/2	JICC111.D	03/11/2014	12:40
	IC 140-946/3	JICC112.D	03/11/2014	13:35
	IC 140-946/4	JICC113.D	03/11/2014	14:29
	IC 140-946/5	JICC114.D	03/11/2014	15:23
	IC 140-946/6	JICC115.D	03/11/2014	16:17
	ICIS 140-946/7	JICC116.D	03/11/2014	17:11
	IC 140-946/8	JICC117.D	03/11/2014	18:06
	IC 140-946/9	JICC118.D	03/11/2014	19:02
	IC 140-946/10	JICC119.D	03/11/2014	19:57
	ICV 140-946/14	JLCSC11.D	03/11/2014	23:33

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab File ID: JBFBC12.D BFB Injection Date: 03/12/2014

Instrument ID: MJ BFB Injection Time: 09:12

Analysis Batch No.: 950

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	42.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	108.9	
175	5.0 - 9.0 % of mass 174	8.6	(7.9)1
176	95.0 - 101.0 % of mass 174	106.3	(97.7)1
177	5.0 - 9.0 % of mass 176	7.1	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-950/2	JCCVC12.D	03/12/2014	09:40
	LCS 140-950/1002	JCCVC12-LCS.d	03/12/2014	09:40
	MB 140-950/4	JBLKC12.D	03/12/2014	12:43
SMSSV8-15	140-1006-1	JC12P108.D	03/12/2014	21:43
SMSSV1-5	140-1006-2	JC12P109.D	03/12/2014	22:37
SMSSV2-10	140-1006-3	JC12P110.D	03/12/2014	23:31
SMSSV92-10	140-1006-4	JC12P111.D	03/13/2014	00:25
SMSSV5-7	140-1006-6	JC12P113.D	03/13/2014	02:12
SMSSV9-10	140-1006-7	JC12P114.D	03/13/2014	03:06
SMSSV4-15	140-1006-8	JC12P115.D	03/13/2014	04:00
SMSSV6-5	140-1006-9	JC12P201.D	03/13/2014	04:54
SMSSV7-3	140-1006-10	JC12P202.D	03/13/2014	05:48
SMSSV3-10	140-1006-5	JC12P112R.D	03/13/2014	08:29

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Sample No.: ICIS 140-946/7 Date Analyzed: 03/11/2014 17:11

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): JICC116.D Heated Purge: (Y/N) N

Calibration ID: 143

		CBM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		351204	9.39	1664083	11.55	1450172	16.21
UPPER LIMIT		491686	9.72	2329716	11.88	2030241	16.54
LOWER LIMIT		210722	9.06	998450	11.22	870103	15.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-946/14		326764	9.39	1541489	11.55	1315171	16.21

CBM = Chlorobromomethane (IS)
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Sample No.: CCVIS 140-950/2 Date Analyzed: 03/12/2014 09:40

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): JCCVC12.D Heated Purge: (Y/N) N

Calibration ID: 143

		CBM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		351094	9.40	1471965	11.55	1230393	16.21
UPPER LIMIT		491532	9.73	2060751	11.88	1722550	16.54
LOWER LIMIT		210656	9.07	883179	11.22	738236	15.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-950/1002		351094	9.40	1471965	11.55	1230393	16.21
MB 140-950/4		357601	9.39	1584546	11.54	1221975	16.21
140-1006-1	SMSSV8-15	344574	9.38	1699939	11.54	1423838	16.21
140-1006-2	SMSSV1-5	353181	9.39	1723308	11.54	1438047	16.21
140-1006-3	SMSSV2-10	349572	9.39	1647963	11.54	1363594	16.20
140-1006-4	SMSSV92-10	350662	9.39	1724856	11.54	1441254	16.21
140-1006-6	SMSSV5-7	333219	9.39	1592527	11.55	1323220	16.20
140-1006-7	SMSSV9-10	337368	9.39	1600393	11.54	1298845	16.20
140-1006-8	SMSSV4-15	345656	9.39	1681051	11.55	1399856	16.20
140-1006-9	SMSSV6-5	340496	9.38	1660569	11.54	1382959	16.20
140-1006-10	SMSSV7-3	337247	9.39	1650147	11.54	1412693	16.20
140-1006-5	SMSSV3-10	335255	9.39	1699297	11.55	1335568	16.20

CBM = Chlorobromomethane (IS)
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV8-15 | Lab Sample ID: 140-1006-1

Matrix: Air | Lab File ID: JC12P108.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:05

Sample wt/vol: 26.4(mL) | Date Analyzed: 03/12/2014 21:43

Soil Aliquot Vol: | Dilution Factor: 1.32

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	2.9		2.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	5.0		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV8-15 Lab Sample ID: 140-1006-1

Matrix: Air Lab File ID: JC12P108.D

Analysis Method: TO-15 Date Collected: 03/05/2014 15:05

Sample wt/vol: 26.4(mL) Date Analyzed: 03/12/2014 21:43

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.4		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV8-15 | Lab Sample ID: 140-1006-1

Matrix: Air | Lab File ID: JC12P108.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:05

Sample wt/vol: 26.4(mL) | Date Analyzed: 03/12/2014 21:43

Soil Aliquot Vol: | Dilution Factor: 1.32

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	13		8.7	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	19		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV8-15 Lab Sample ID: 140-1006-1

Matrix: Air Lab File ID: JC12P108.D

Analysis Method: TO-15 Date Collected: 03/05/2014 15:05

Sample wt/vol: 26.4(mL) Date Analyzed: 03/12/2014 21:43

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	12		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P108.D
Lims ID: 140-1006-A-1 Lab Sample ID: 140-1006-1
Client ID: SMSSV8-15
Sample Type: Client
Inject. Date: 12-Mar-2014 21:43:30 ALS Bottle#: 8 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.3200
Sample Info: 140-1006-a-1@1.32
Misc. Info.: J031214,TO15,,140-0000517-013
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:53:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.384	9.396	-0.012	92	344574	4.00	
* 2 1,4-Difluorobenzene	114	11.542	11.548	-0.006	94	1699939	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.206	16.212	-0.006	87	1423838	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	90	982409	3.90	
31 Methylene Chloride	84	6.759	6.765	-0.006	70	4730	0.0513	
48 Benzene	78	11.031	11.037	-0.006	58	14046	0.0482	
65 Toluene	91	14.258	14.264	-0.006	92	52902	0.2003	
76 Ethylbenzene	91	16.534	16.540	-0.006	50	9010	0.0309	
78 m-Xylene & p-Xylene	91	16.690	16.696	-0.006	94	27475	0.1167	
82 o-Xylene	91	17.217	17.223	-0.006	77	15404	0.0645	
93 1,2,4-Trimethylbenzene	105	18.944	18.950	-0.006	88	26599	0.0962	

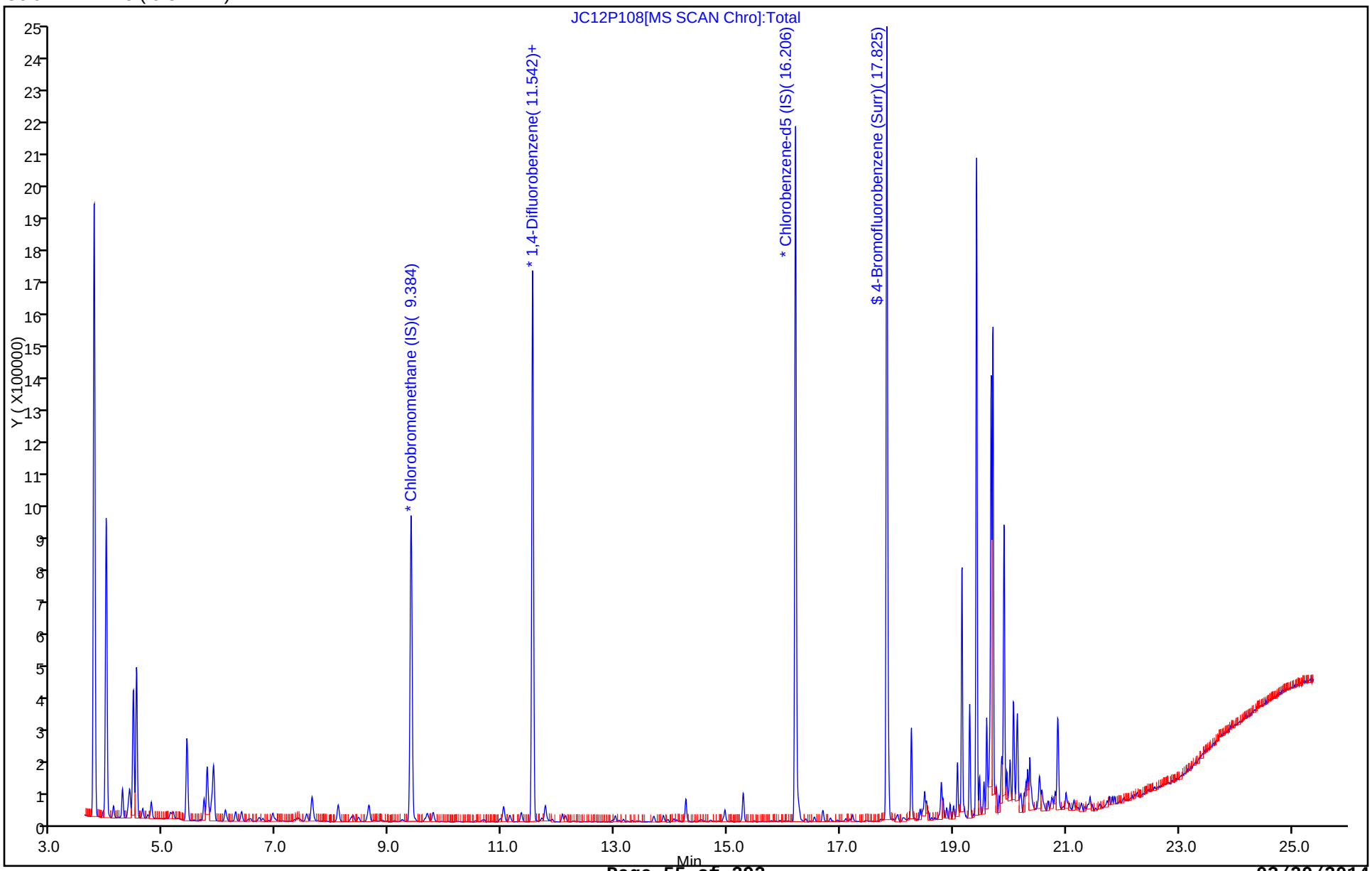
Report Date: 14-Mar-2014 16:58:56 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P108.D

Injection Date:	12-Mar-2014 21:43:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-1	Lab Sample ID:	140-1006-1	Worklist Smp#:	13
Client ID:	SMSSV8-15				
Purge Vol:	500.000 mL	Dil. Factor:	1.3200	ALS Bottle#:	8
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

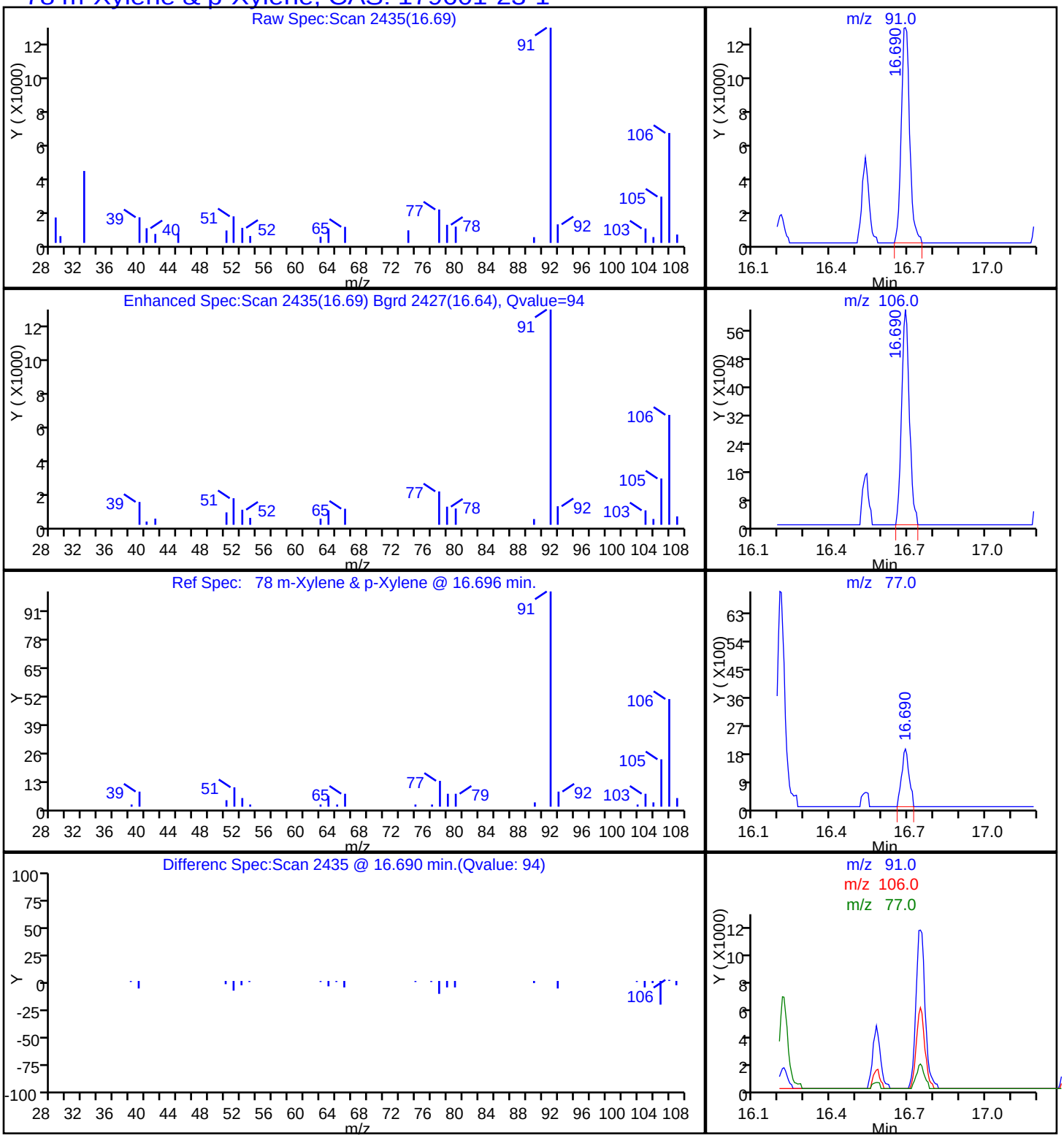
Column: RTX-5 (0.32 mm)



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P108.D				
Injection Date:	12-Mar-2014 21:43:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-1	Lab Sample ID:	140-1006-1		
Client ID:	SMSSV8-15				
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

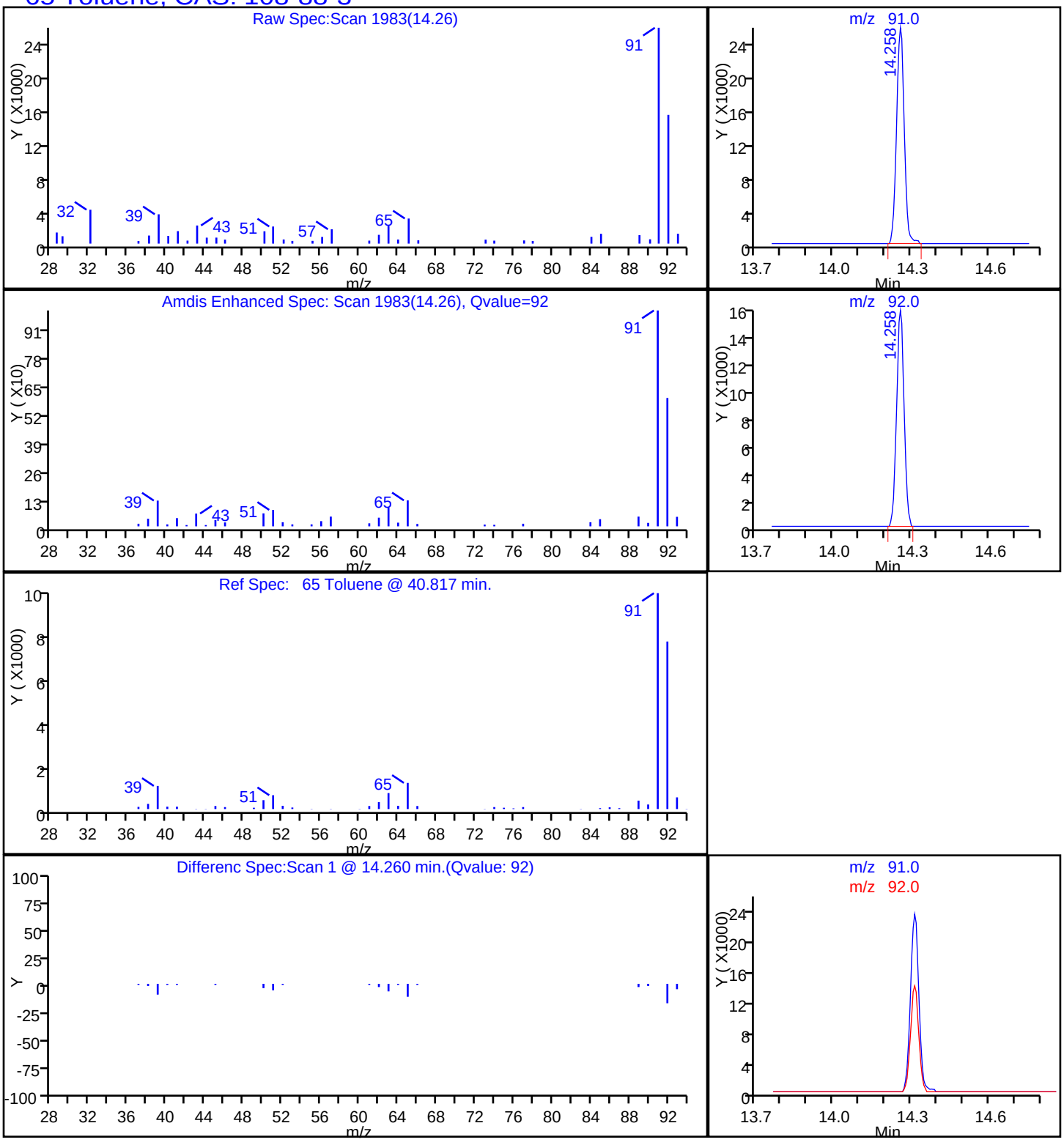
78 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P108.D				
Injection Date:	12-Mar-2014 21:43:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-1	Lab Sample ID:	140-1006-1		
Client ID:	SMSSV8-15				
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3

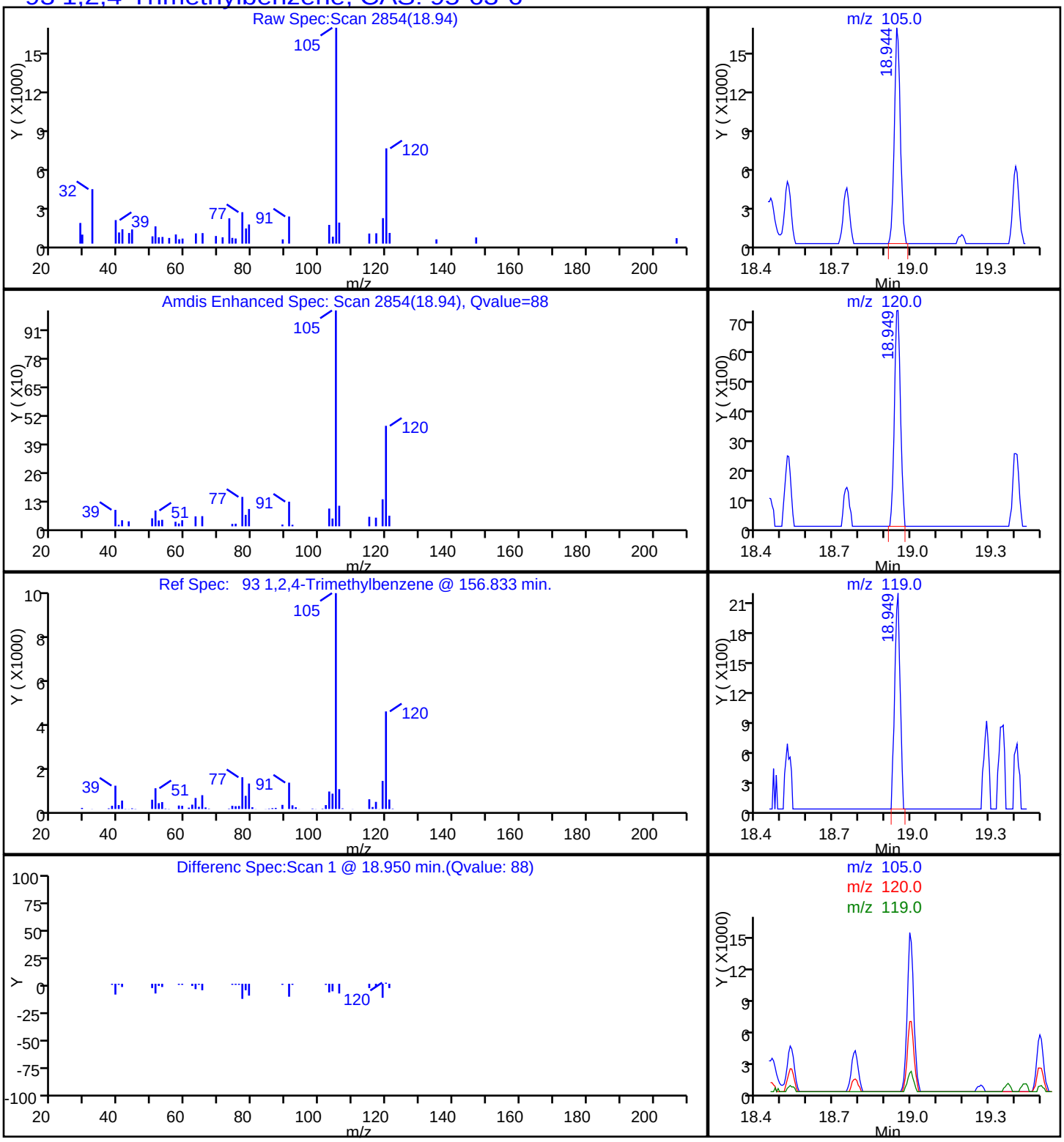


Report Date: 14-Mar-2014 16:58:56 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P108.D				
Injection Date:	12-Mar-2014 21:43:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-1	Lab Sample ID:	140-1006-1		
Client ID:	SMSSV8-15				
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV1-5 | Lab Sample ID: 140-1006-2

Matrix: Air | Lab File ID: JC12P109.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:50

Sample wt/vol: 29.4(mL) | Date Analyzed: 03/12/2014 22:37

Soil Aliquot Vol: | Dilution Factor: 1.47

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	3.2		2.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	3.5		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV1-5 | Lab Sample ID: 140-1006-2

Matrix: Air | Lab File ID: JC12P109.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:50

Sample wt/vol: 29.4(mL) | Date Analyzed: 03/12/2014 22:37

Soil Aliquot Vol: | Dilution Factor: 1.47

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	3.8		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV1-5 | Lab Sample ID: 140-1006-2

Matrix: Air | Lab File ID: JC12P109.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:50

Sample wt/vol: 29.4(mL) | Date Analyzed: 03/12/2014 22:37

Soil Aliquot Vol: | Dilution Factor: 1.47

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	14		8.7	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	13		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV1-5 | Lab Sample ID: 140-1006-2

Matrix: Air | Lab File ID: JC12P109.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 15:50

Sample wt/vol: 29.4(mL) | Date Analyzed: 03/12/2014 22:37

Soil Aliquot Vol: | Dilution Factor: 1.47

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	19		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

Report Date: 14-Mar-2014 16:58:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P109.D
Lims ID: 140-1006-A-2 Lab Sample ID: 140-1006-2
Client ID: SMSSV1-5
Sample Type: Client
Inject. Date: 12-Mar-2014 22:37:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.4700
Sample Info: 140-1006-a-2@1.47
Misc. Info.: J031214,TO15,,140-0000517-014
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:54:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.389	9.396	-0.007	91	353181	4.00	
* 2 1,4-Difluorobenzene	114	11.541	11.548	-0.007	94	1723308	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.205	16.212	-0.007	87	1438047	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.824	17.825	-0.001	91	1018993	4.01	
48 Benzene	78	11.030	11.037	-0.007	46	9714	0.0329	
65 Toluene	91	14.258	14.264	-0.006	89	37422	0.1403	
76 Ethylbenzene	91	16.533	16.540	-0.007	44	9221	0.0313	
78 m-Xylene & p-Xylene	91	16.689	16.696	-0.007	94	30521	0.1284	
82 o-Xylene	91	17.217	17.223	-0.006	79	18574	0.0771	
89 1,3,5-Trimethylbenzene	120	18.518	18.525	-0.007	75	5674	0.0352	
93 1,2,4-Trimethylbenzene	105	18.949	18.950	-0.001	93	42046	0.1506	

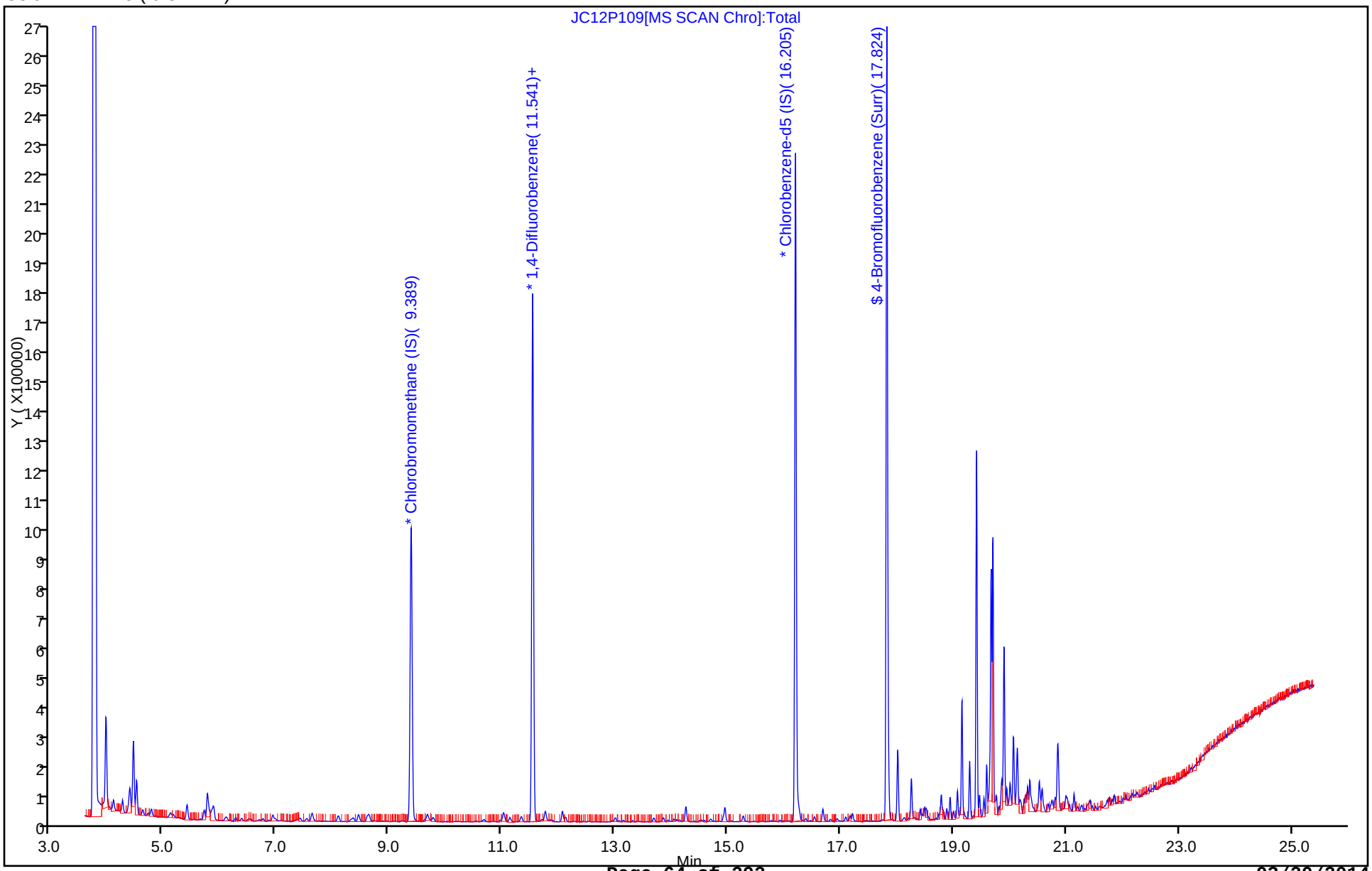
Report Date: 14-Mar-2014 16:58:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P109.D

Injection Date:	12-Mar-2014 22:37:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-2	Lab Sample ID:	140-1006-2	Worklist Smp#:	14
Client ID:	SMSSV1-5				
Purge Vol:	500.000 mL	Dil. Factor:	1.4700	ALS Bottle#:	9
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

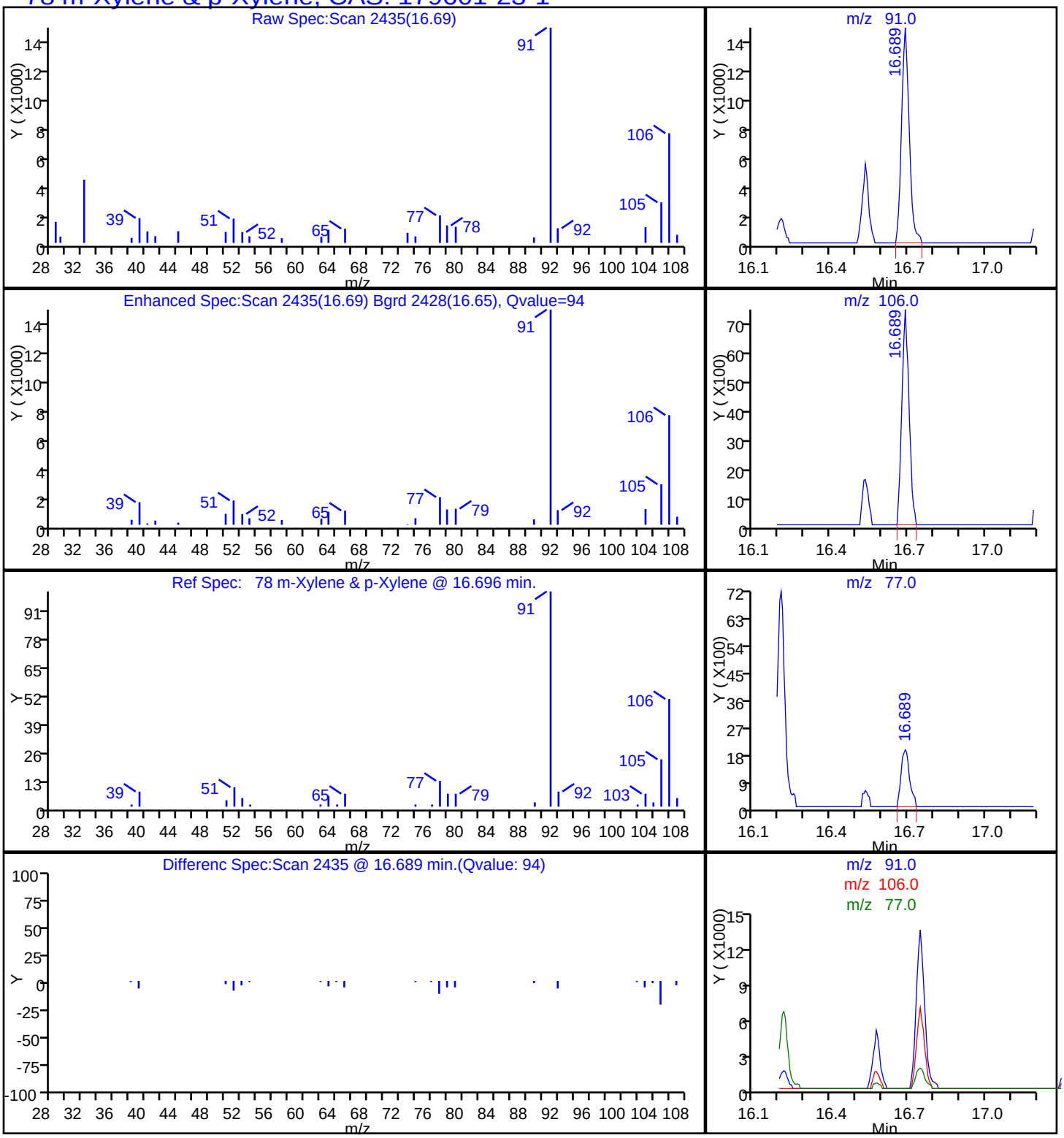


Report Date: 14-Mar-2014 16:58:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P109.D				
Injection Date:	12-Mar-2014 22:37:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-2	Lab Sample ID:	140-1006-2		
Client ID:	SMSSV1-5				
Operator ID:	7126	ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.4700		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

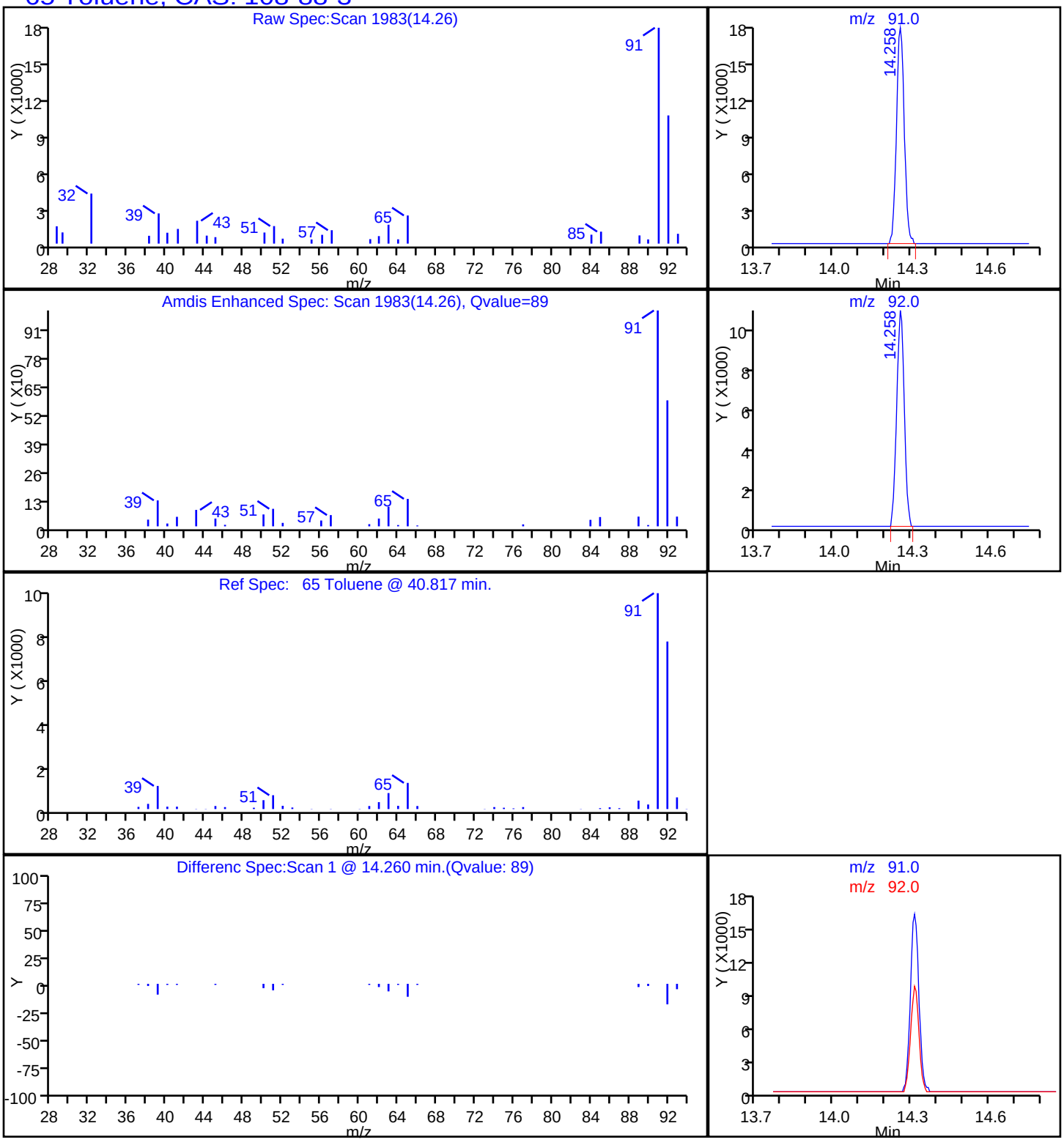
78 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P109.D		
Injection Date:	12-Mar-2014 22:37:30	Instrument ID:	MJ
Lims ID:	140-1006-A-2	Lab Sample ID:	140-1006-2
Client ID:	SMSSV1-5		
Operator ID:	7126	ALS Bottle#:	9 Worklist Smp#: 14
Purge Vol:	500.000 mL	Dil. Factor:	1.4700
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

65 Toluene, CAS: 108-88-3



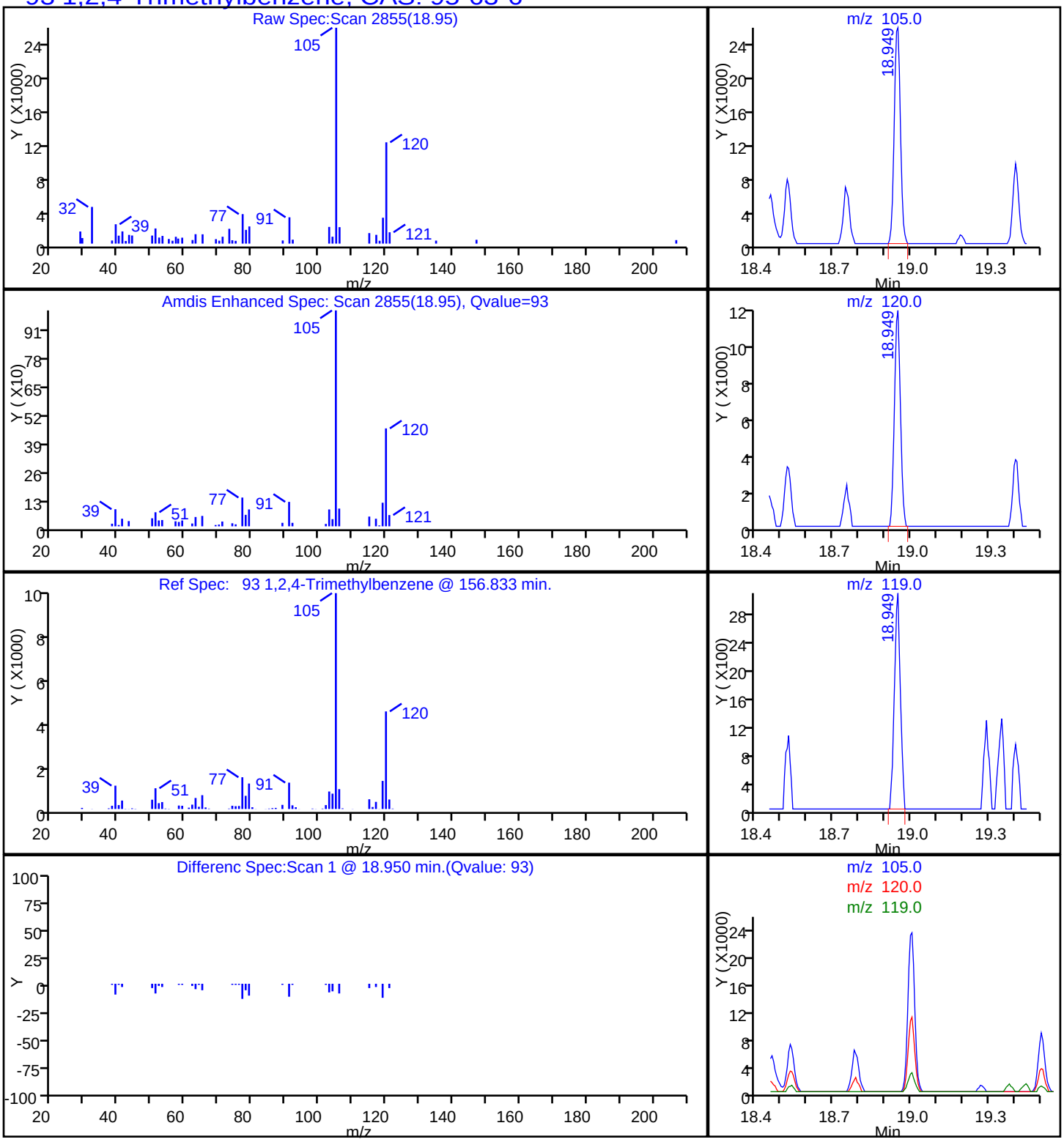
Report Date: 14-Mar-2014 16:58:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P109.D

Injection Date:	12-Mar-2014 22:37:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-2	Lab Sample ID:	140-1006-2		
Client ID:	SMSSV1-5				
Operator ID:	7126	ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.4700		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV2-10 | Lab Sample ID: 140-1006-3

Matrix: Air | Lab File ID: JC12P110.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 16:11

Sample wt/vol: 40.6(mL) | Date Analyzed: 03/12/2014 23:31

Soil Aliquot Vol: | Dilution Factor: 2.03

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	3.1		2.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	3.7		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV2-10 Lab Sample ID: 140-1006-3

Matrix: Air Lab File ID: JC12P110.D

Analysis Method: TO-15 Date Collected: 03/05/2014 16:11

Sample wt/vol: 40.6(mL) Date Analyzed: 03/12/2014 23:31

Soil Aliquot Vol: Dilution Factor: 2.03

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	3.0		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV2-10 | Lab Sample ID: 140-1006-3

Matrix: Air | Lab File ID: JC12P110.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 16:11

Sample wt/vol: 40.6(mL) | Date Analyzed: 03/12/2014 23:31

Soil Aliquot Vol: | Dilution Factor: 2.03

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	13		8.7	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	14		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV2-10 Lab Sample ID: 140-1006-3

Matrix: Air Lab File ID: JC12P110.D

Analysis Method: TO-15 Date Collected: 03/05/2014 16:11

Sample wt/vol: 40.6(mL) Date Analyzed: 03/12/2014 23:31

Soil Aliquot Vol: Dilution Factor: 2.03

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	15		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P110.D
Lims ID: 140-1006-A-3 Lab Sample ID: 140-1006-3
Client ID: SMSSV2-10
Sample Type: Client
Inject. Date: 12-Mar-2014 23:31:30 ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 2.0300
Sample Info: 140-1006-a-3@2.03
Misc. Info.: J031214,TO15,,140-0000517-015
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:54:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.387	9.396	-0.009	91	349572	4.00	
* 2 1,4-Difluorobenzene	114	11.544	11.548	-0.004	94	1647963	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.203	16.212	-0.009	87	1363594	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.822	17.825	-0.003	90	938797	3.89	
31 Methylene Chloride	84	6.762	6.765	-0.003	72	4938	0.0528	
48 Benzene	78	11.028	11.037	-0.009	23	7403	0.0262	
65 Toluene	91	14.261	14.264	-0.003	89	37417	0.1479	
76 Ethylbenzene	91	16.536	16.540	-0.004	35	8693	0.0311	
78 m-Xylene & p-Xylene	91	16.687	16.696	-0.009	93	28003	0.1242	
82 o-Xylene	91	17.219	17.223	-0.004	76	17098	0.0748	
89 1,3,5-Trimethylbenzene	120	18.521	18.525	-0.004	63	4119	0.0270	
93 1,2,4-Trimethylbenzene	105	18.946	18.950	-0.004	89	31394	0.1185	

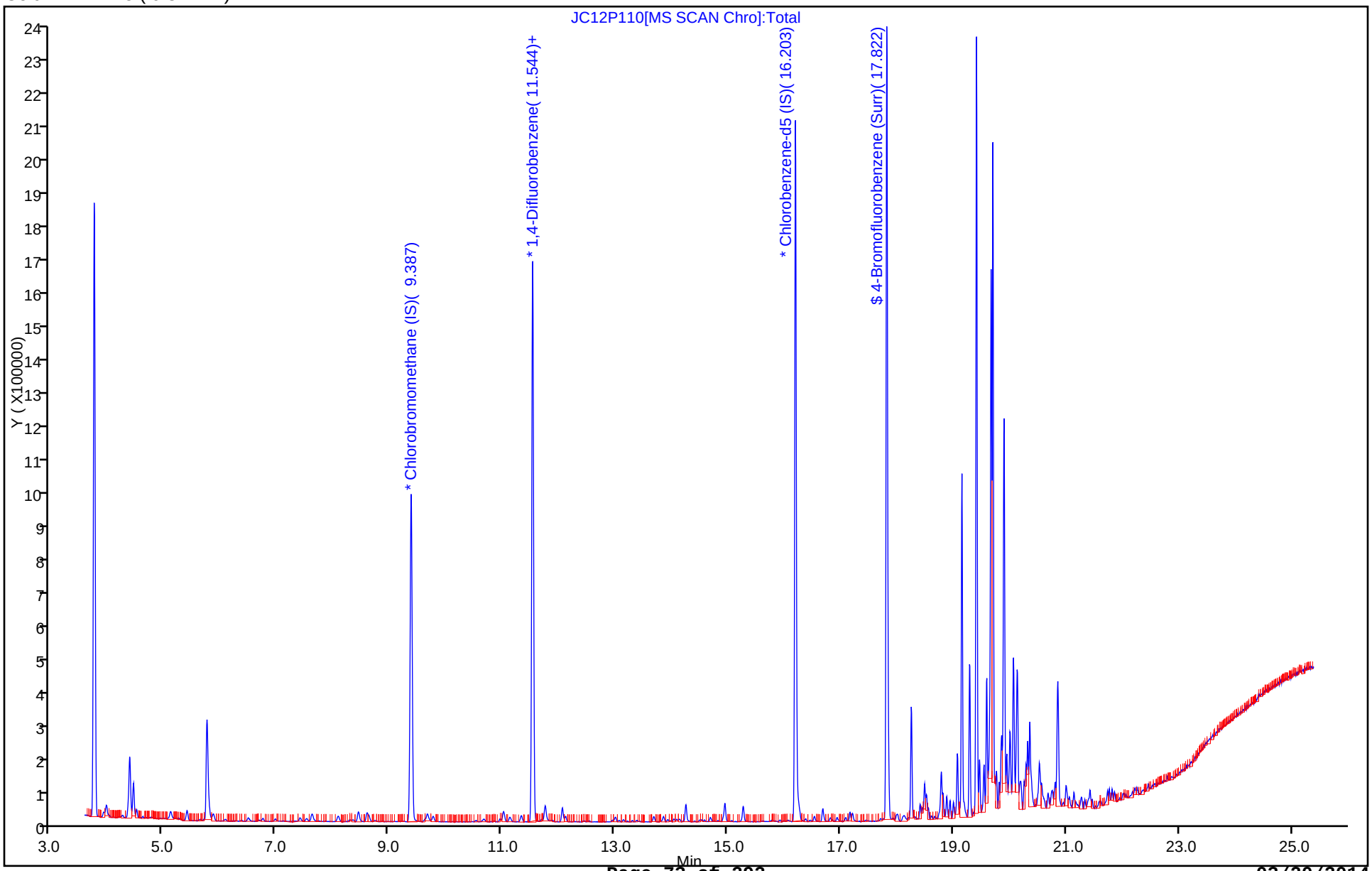
Report Date: 14-Mar-2014 16:59:00 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P110.D

Injection Date:	12-Mar-2014 23:31:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-3	Lab Sample ID:	140-1006-3	Worklist Smp#:	15
Client ID:	SMSSV2-10				
Purge Vol:	500.000 mL	Dil. Factor:	2.0300	ALS Bottle#:	10
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



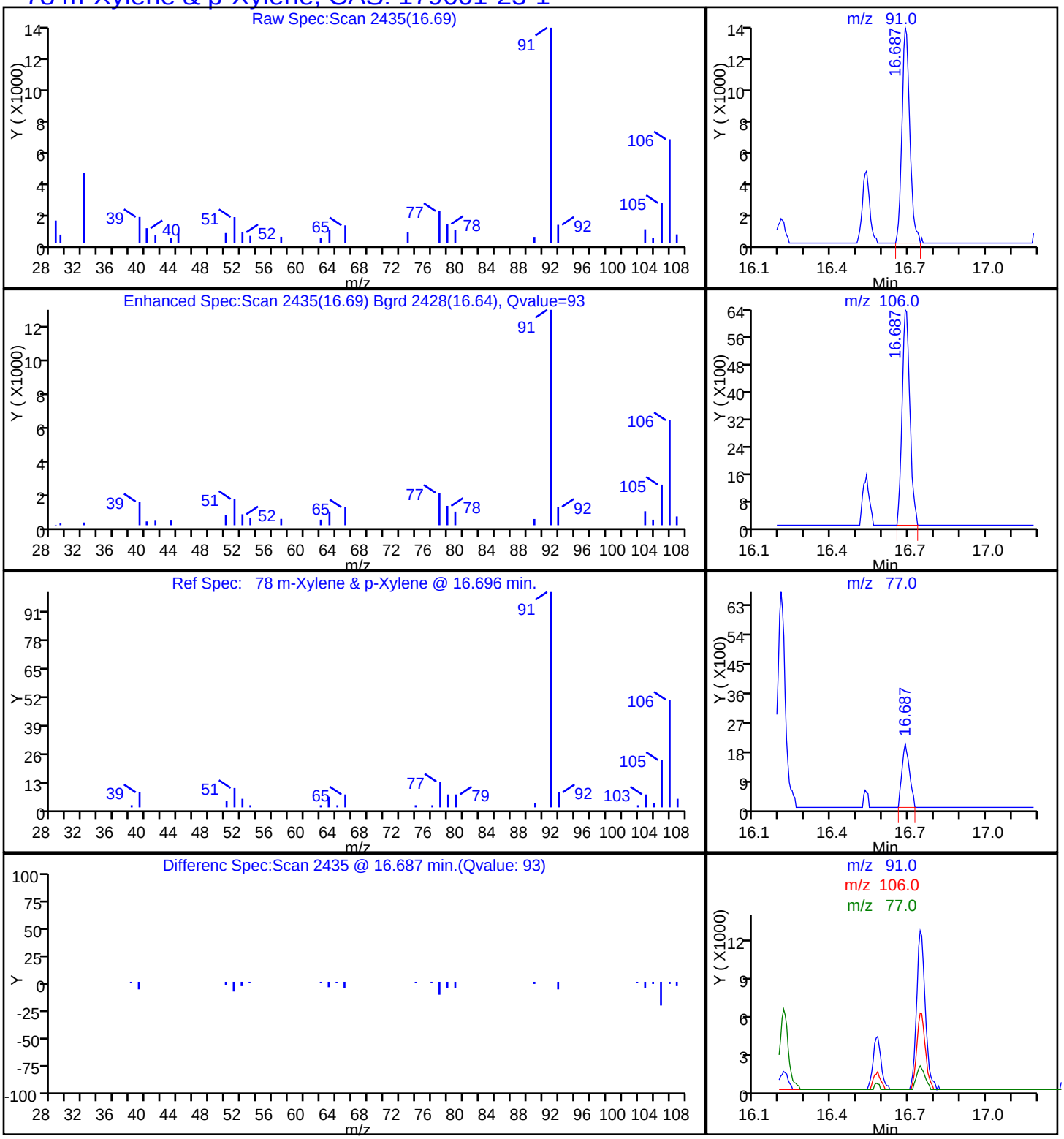
Report Date: 14-Mar-2014 16:59:00 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P110.D

Injection Date:	12-Mar-2014 23:31:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-3	Lab Sample ID:	140-1006-3		
Client ID:	SMSSV2-10				
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	2.0300		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



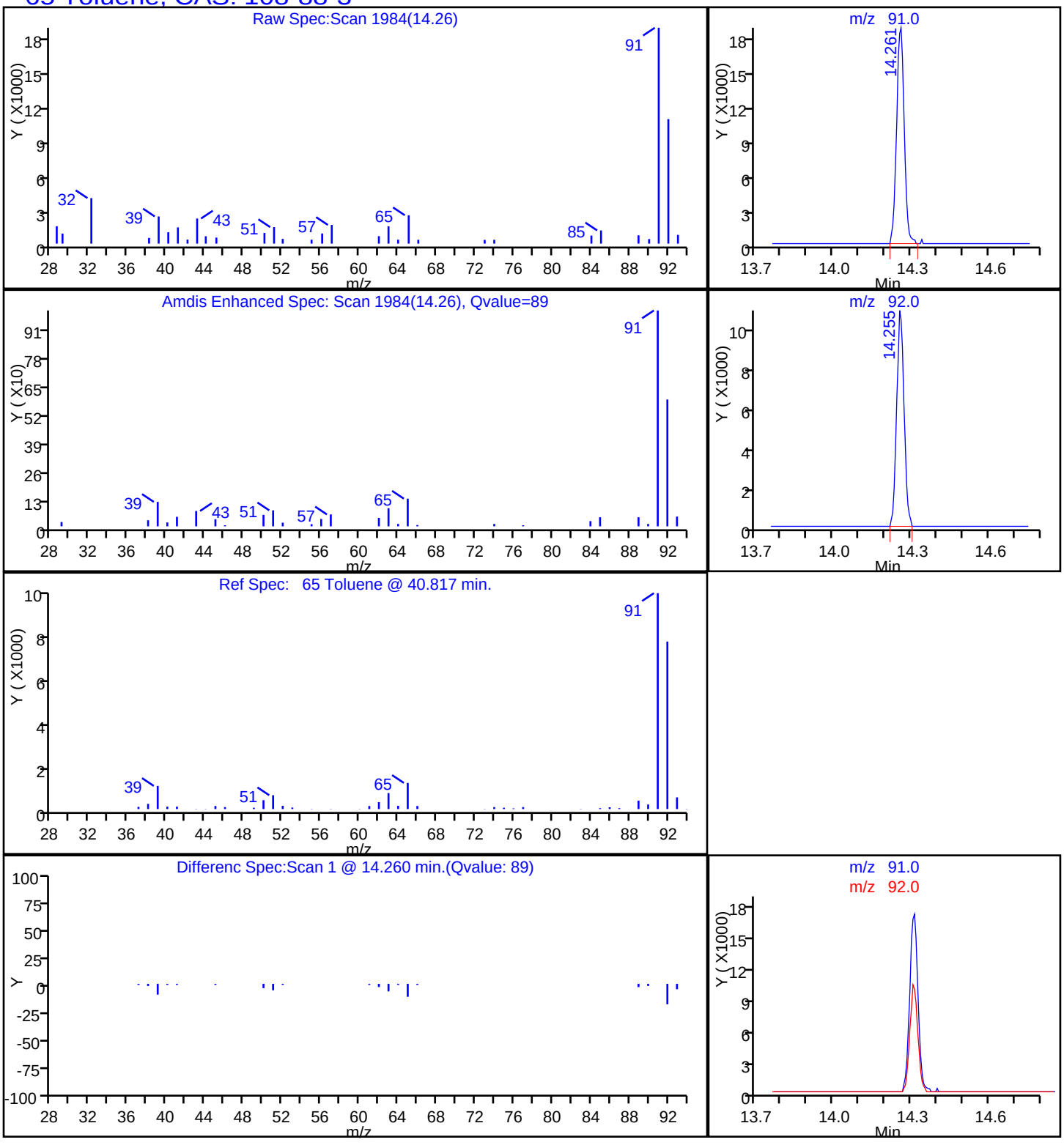
Report Date: 14-Mar-2014 16:59:00 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P110.D

Injection Date:	12-Mar-2014 23:31:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-3	Lab Sample ID:	140-1006-3		
Client ID:	SMSSV2-10				
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	2.0300		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



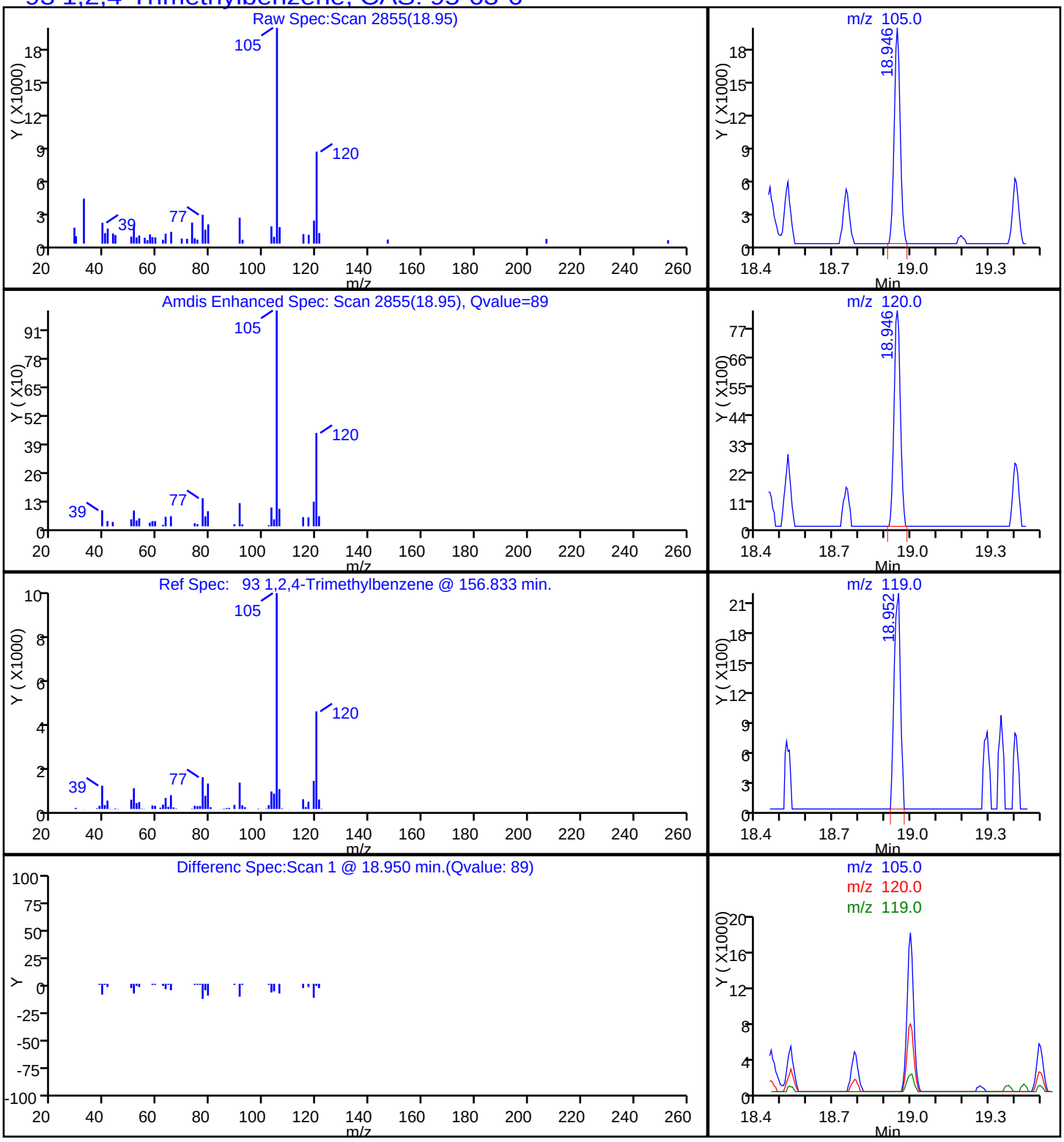
Report Date: 14-Mar-2014 16:59:00 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P110.D

Injection Date:	12-Mar-2014 23:31:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-3	Lab Sample ID:	140-1006-3		
Client ID:	SMSSV2-10				
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	2.0300		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV92-10 | Lab Sample ID: 140-1006-4

Matrix: Air | Lab File ID: JC12P111.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 16:13

Sample wt/vol: 44.4(mL) | Date Analyzed: 03/13/2014 00:25

Soil Aliquot Vol: | Dilution Factor: 2.22

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	2.8		2.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	3.3		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV92-10 Lab Sample ID: 140-1006-4

Matrix: Air Lab File ID: JC12P111.D

Analysis Method: TO-15 Date Collected: 03/05/2014 16:13

Sample wt/vol: 44.4(mL) Date Analyzed: 03/13/2014 00:25

Soil Aliquot Vol: Dilution Factor: 2.22

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.7		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV92-10 | Lab Sample ID: 140-1006-4

Matrix: Air | Lab File ID: JC12P111.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 16:13

Sample wt/vol: 44.4(mL) | Date Analyzed: 03/13/2014 00:25

Soil Aliquot Vol: | Dilution Factor: 2.22

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	12		8.7	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	12		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV92-10 Lab Sample ID: 140-1006-4

Matrix: Air Lab File ID: JC12P111.D

Analysis Method: TO-15 Date Collected: 03/05/2014 16:13

Sample wt/vol: 44.4(mL) Date Analyzed: 03/13/2014 00:25

Soil Aliquot Vol: Dilution Factor: 2.22

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	13		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P111.D				
Lims ID:	140-1006-A-4	Lab Sample ID:	140-1006-4		
Client ID:	SMSSV92-10				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 00:25:30	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	2.2200		
Sample Info:	140-1006-a-4@2.22				
Misc. Info.:	J031214,TO15,,140-0000517-016				
Operator ID:	7126	Instrument ID:	MJ		
Method:	\\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Mar-2014 16:58:32	Calib Date:	11-Mar-2014 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK021				
First Level Reviewer: tajh		Date:	13-Mar-2014 09:54:25		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.385	9.396	-0.011	91	350662	4.00	
* 2 1,4-Difluorobenzene	114	11.542	11.548	-0.006	94	1724856	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.206	16.212	-0.006	87	1441254	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	91	997711	3.91	
48 Benzene	78	11.031	11.037	-0.006	40	7491	0.0253	
65 Toluene	91	14.258	14.264	-0.006	87	34949	0.1307	
76 Ethylbenzene	91	16.529	16.540	-0.011	35	8177	0.0277	
78 m-Xylene & p-Xylene	91	16.690	16.696	-0.006	95	27033	0.1134	
82 o-Xylene	91	17.212	17.223	-0.011	77	16188	0.0670	
89 1,3,5-Trimethylbenzene	120	18.519	18.525	-0.006	66	4272	0.0265	
93 1,2,4-Trimethylbenzene	105	18.944	18.950	-0.006	89	30394	0.1086	

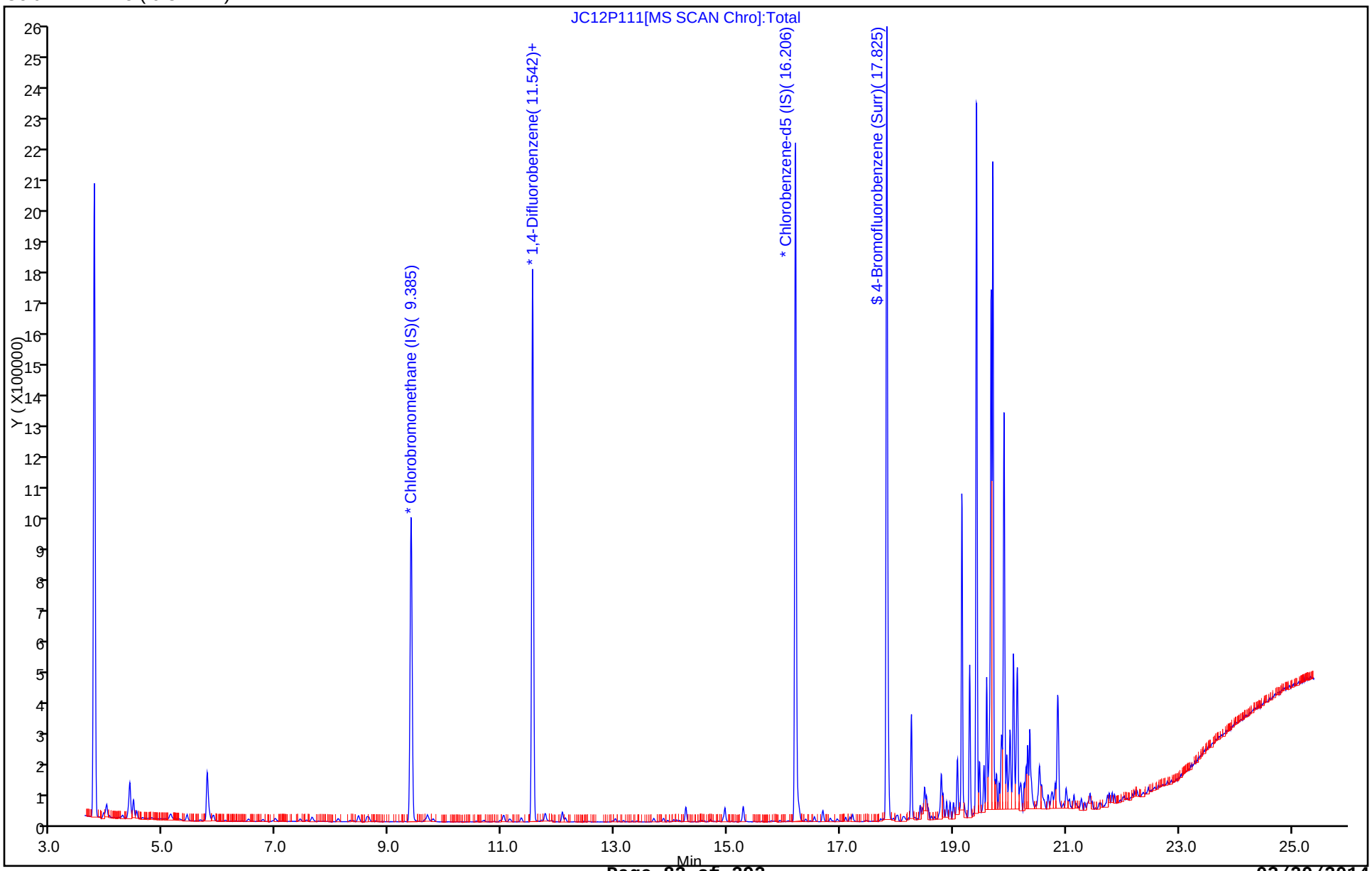
Report Date: 14-Mar-2014 16:59:02 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P111.D

Injection Date:	13-Mar-2014 00:25:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-4	Lab Sample ID:	140-1006-4	Worklist Smp#:	16
Client ID:	SMSSV92-10				
Purge Vol:	500.000 mL	Dil. Factor:	2.2200	ALS Bottle#:	11
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



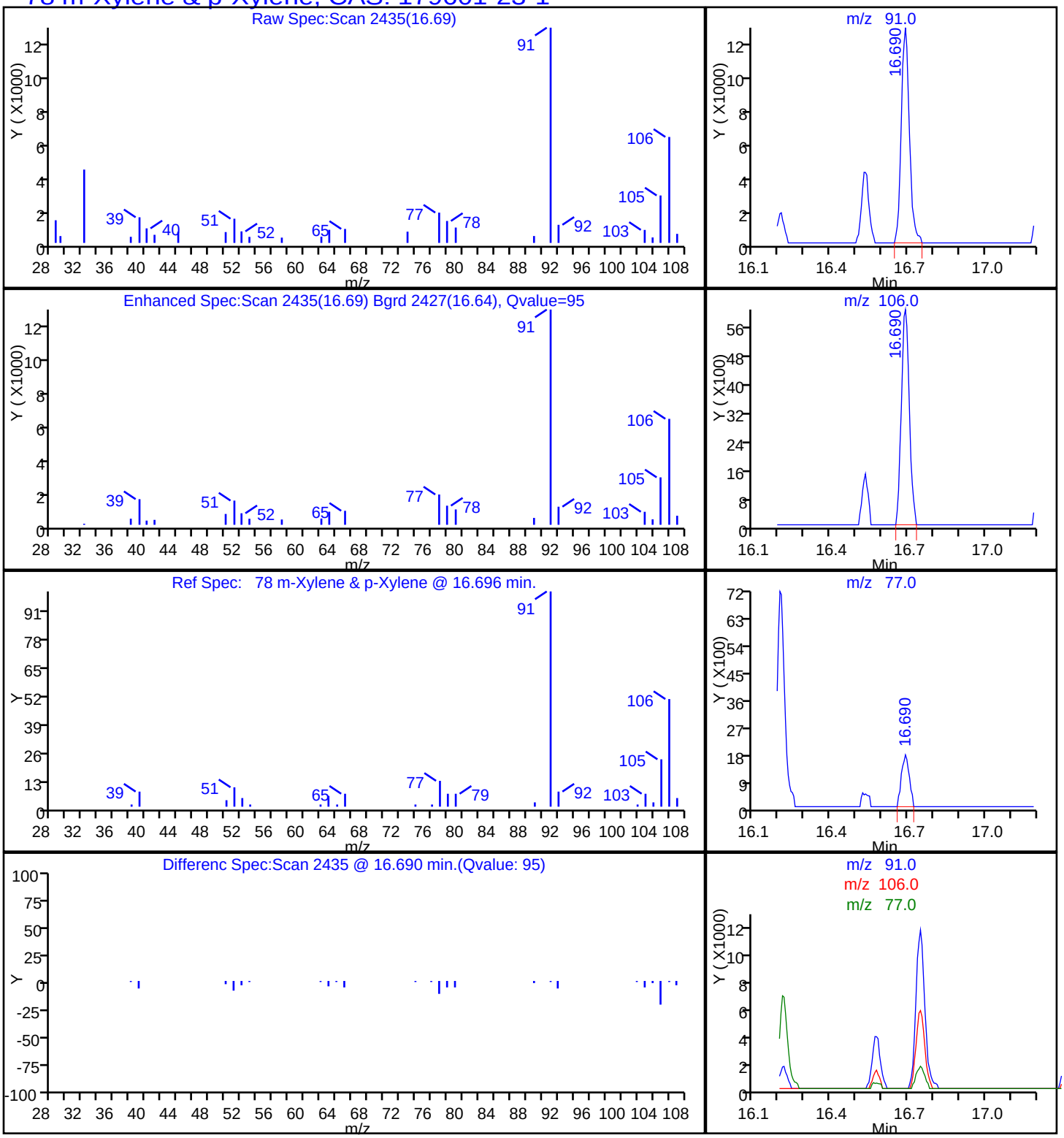
Report Date: 14-Mar-2014 16:59:02 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P111.D

Injection Date:	13-Mar-2014 00:25:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-4	Lab Sample ID:	140-1006-4		
Client ID:	SMSSV92-10				
Operator ID:	7126	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	2.2200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

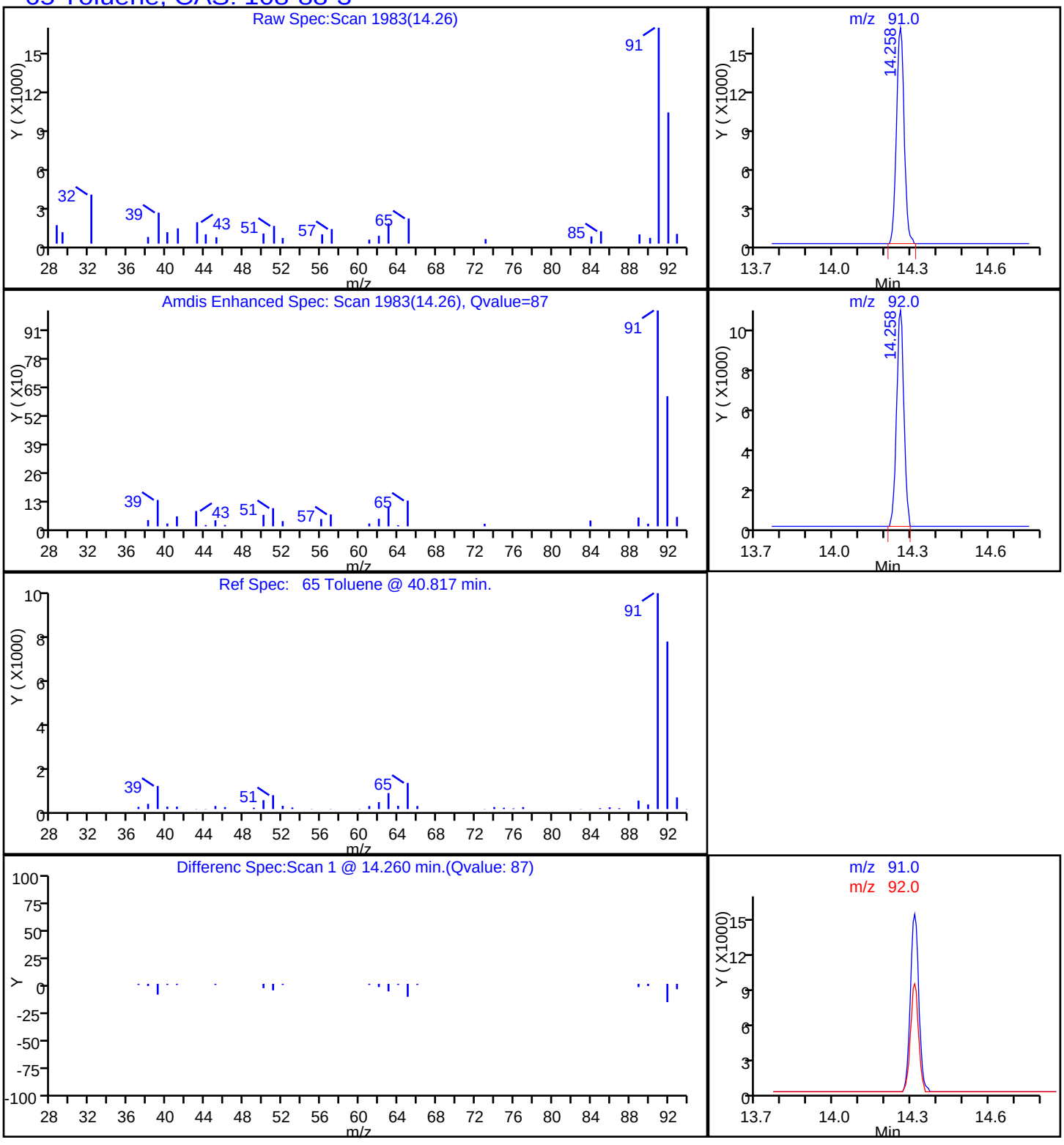
78 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P111.D				
Injection Date:	13-Mar-2014 00:25:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-4	Lab Sample ID:	140-1006-4		
Client ID:	SMSSV92-10				
Operator ID:	7126	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	2.2200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3

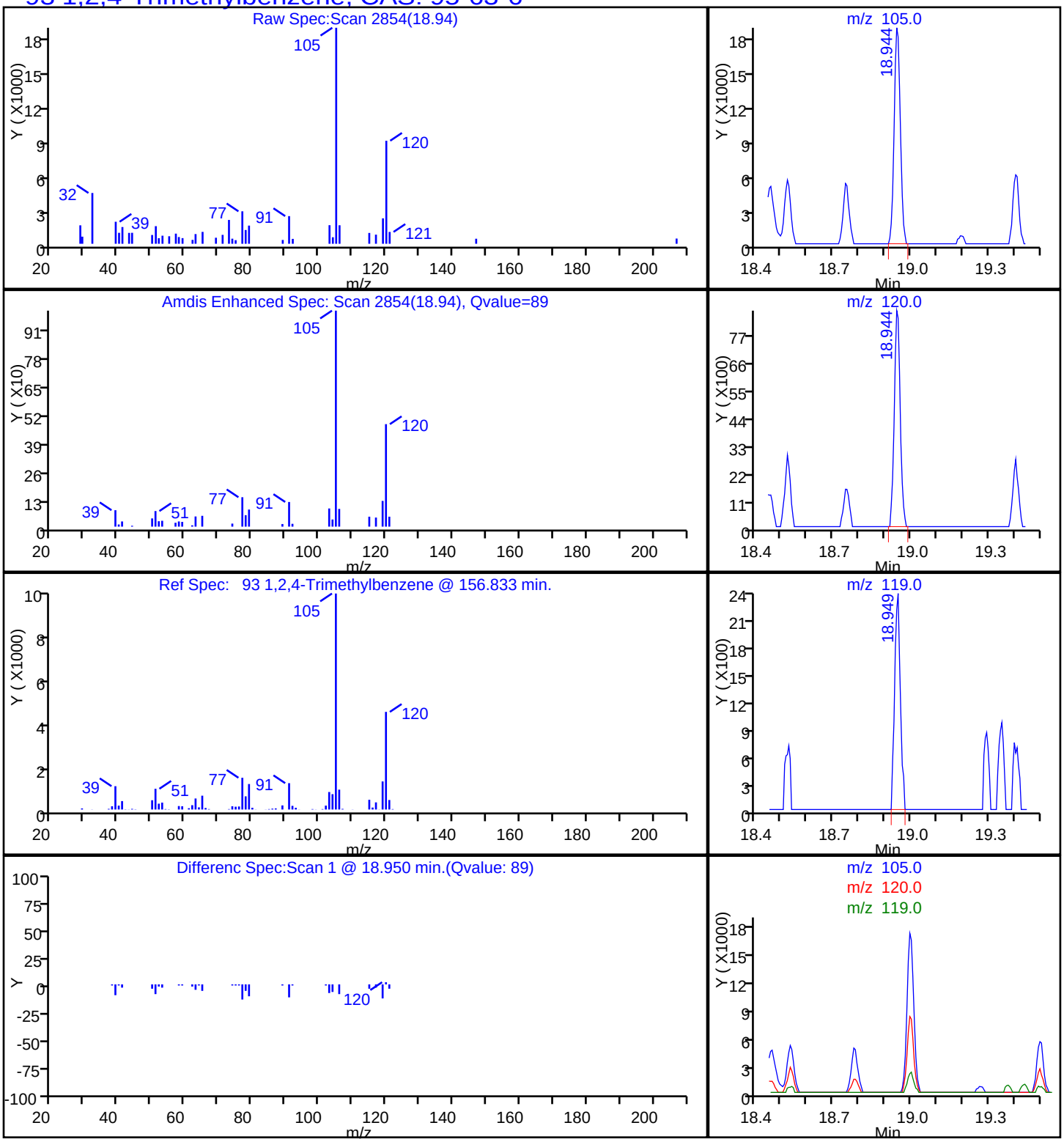


Report Date: 14-Mar-2014 16:59:02 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P111.D		
Injection Date:	13-Mar-2014 00:25:30	Instrument ID:	MJ
Lims ID:	140-1006-A-4	Lab Sample ID:	140-1006-4
Client ID:	SMSSV92-10		
Operator ID:	7126	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	2.2200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV3-10 | Lab Sample ID: 140-1006-5

Matrix: Air | Lab File ID: JC12P112R.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:33

Sample wt/vol: 200(mL) | Date Analyzed: 03/13/2014 08:29

Soil Aliquot Vol: | Dilution Factor: 11.62

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	13		2.3	
100-44-7	Benzyl chloride	126.58	ND		4.6	
74-83-9	Bromomethane	94.94	ND		2.3	
56-23-5	Carbon tetrachloride	153.81	ND		2.3	
108-90-7	Chlorobenzene	112.56	2.9		2.3	
75-00-3	Chloroethane	64.52	ND		2.3	
67-66-3	Chloroform	119.38	ND		2.3	
74-87-3	Chloromethane	50.49	9.8		5.8	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.3	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.3	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.3	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.3	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.3	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.3	
75-34-3	1,1-Dichloroethane	98.96	4.4		2.3	
107-06-2	1,2-Dichloroethane	98.96	5.4		2.3	
75-35-4	1,1-Dichloroethene	96.94	ND		2.3	
78-87-5	1,2-Dichloropropane	112.99	ND		2.3	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.3	
100-41-4	Ethylbenzene	106.17	12		2.3	
87-68-3	Hexachlorobutadiene	260.76	ND		12	
75-09-2	Methylene Chloride	84.93	12		5.8	
179601-23-1	m-Xylene & p-Xylene	106.17	13		2.3	
95-47-6	o-Xylene	106.17	7.3		2.3	
100-42-5	Styrene	104.15	ND		2.3	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.3	
127-18-4	Tetrachloroethene	165.83	ND		2.3	
108-88-3	Toluene	92.14	32		2.3	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.3	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		12	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.3	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.3	
79-01-6	Trichloroethene	131.39	ND		2.3	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV3-10 Lab Sample ID: 140-1006-5

Matrix: Air Lab File ID: JC12P112R.D

Analysis Method: TO-15 Date Collected: 03/05/2014 17:33

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2014 08:29

Soil Aliquot Vol: Dilution Factor: 11.62

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.3	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.3	
95-63-6	1,2,4-Trimethylbenzene	120.20	6.8		2.3	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.3	
75-01-4	Vinyl chloride	62.50	ND		2.3	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV3-10 | Lab Sample ID: 140-1006-5

Matrix: Air | Lab File ID: JC12P112R.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:33

Sample wt/vol: 200(mL) | Date Analyzed: 03/13/2014 08:29

Soil Aliquot Vol: | Dilution Factor: 11.62

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	43		7.4	
100-44-7	Benzyl chloride	126.58	ND		24	
74-83-9	Bromomethane	94.94	ND		9.0	
56-23-5	Carbon tetrachloride	153.81	ND		15	
108-90-7	Chlorobenzene	112.56	14		11	
75-00-3	Chloroethane	64.52	ND		6.1	
67-66-3	Chloroform	119.38	ND		11	
74-87-3	Chloromethane	50.49	20		12	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		9.2	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		11	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		18	
95-50-1	1,2-Dichlorobenzene	147.00	ND		14	
541-73-1	1,3-Dichlorobenzene	147.00	ND		14	
106-46-7	1,4-Dichlorobenzene	147.00	ND		14	
75-71-8	Dichlorodifluoromethane	120.91	ND		11	
75-34-3	1,1-Dichloroethane	98.96	18		9.4	
107-06-2	1,2-Dichloroethane	98.96	22		9.4	
75-35-4	1,1-Dichloroethene	96.94	ND		9.2	
78-87-5	1,2-Dichloropropane	112.99	ND		11	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		16	
100-41-4	Ethylbenzene	106.17	52		10	
87-68-3	Hexachlorobutadiene	260.76	ND		120	
75-09-2	Methylene Chloride	84.93	40		20	
179601-23-1	m-Xylene & p-Xylene	106.17	56		10	
95-47-6	o-Xylene	106.17	32		10	
100-42-5	Styrene	104.15	ND		9.9	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		16	
127-18-4	Tetrachloroethene	165.83	ND		16	
108-88-3	Toluene	92.14	120		8.8	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		11	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		86	
71-55-6	1,1,1-Trichloroethane	133.41	ND		13	
79-00-5	1,1,2-Trichloroethane	133.41	ND		13	
79-01-6	Trichloroethene	131.39	ND		12	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV3-10 | Lab Sample ID: 140-1006-5

Matrix: Air | Lab File ID: JC12P112R.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:33

Sample wt/vol: 200(mL) | Date Analyzed: 03/13/2014 08:29

Soil Aliquot Vol: | Dilution Factor: 11.62

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		13	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		18	
95-63-6	1,2,4-Trimethylbenzene	120.20	34		11	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		11	
75-01-4	Vinyl chloride	62.50	ND		5.9	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D
Lims ID: 140-1006-A-5 Lab Sample ID: 140-1006-5
Client ID: SMSSV3-10
Sample Type: Client
Inject. Date: 13-Mar-2014 08:29:30 ALS Bottle#: 12 Worklist Smp#: 26
Purge Vol: 500.000 mL Dil. Factor: 11.6200
Sample Info: 140-1006-a-5@11.62
Misc. Info.: J031214,TO15,,140-0000517-026
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:57:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.387	9.396	-0.009	90	335255	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.548	-0.003	94	1699297	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.203	16.212	-0.009	87	1335568	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.822	17.825	-0.003	90	911954	3.86	
9 Chloromethane	52	4.228	4.232	-0.004	100	12786	0.3389	M
16 Chloroethane	64	5.025	5.028	-0.003	27	2440	0.0427	
20 Trichlorofluoromethane	101	5.654	5.652	0.002	67	6984	0.0239	
31 Methylene Chloride	84	6.762	6.765	-0.003	89	35903	0.4003	
37 1,1-Dichloroethane	63	8.042	8.046	-0.004	86	26640	0.1506	
46 1,2-Dichloroethane	62	10.544	10.547	-0.003	94	24409	0.1852	
48 Benzene	78	11.028	11.037	-0.009	72	135017	0.4631	
65 Toluene	91	14.256	14.264	-0.008	92	269191	1.09	
73 Tetrachloroethene	129	15.385	15.394	-0.009	82	8188	0.0709	
75 Chlorobenzene	112	16.252	16.260	-0.008	41	21477	0.1015	
76 Ethylbenzene	91	16.531	16.540	-0.009	91	113260	0.4139	
78 m-Xylene & p-Xylene	91	16.687	16.696	-0.009	99	97664	0.4423	
80 Styrene	104	17.150	17.158	-0.008	42	3982	0.0263	
82 o-Xylene	91	17.214	17.223	-0.009	96	56300	0.2515	
89 1,3,5-Trimethylbenzene	120	18.522	18.525	-0.003	83	10869	0.0727	
93 1,2,4-Trimethylbenzene	105	18.941	18.950	-0.009	96	60899	0.2348	

QC Flag Legend

Review Flags
M - Manually Integrated

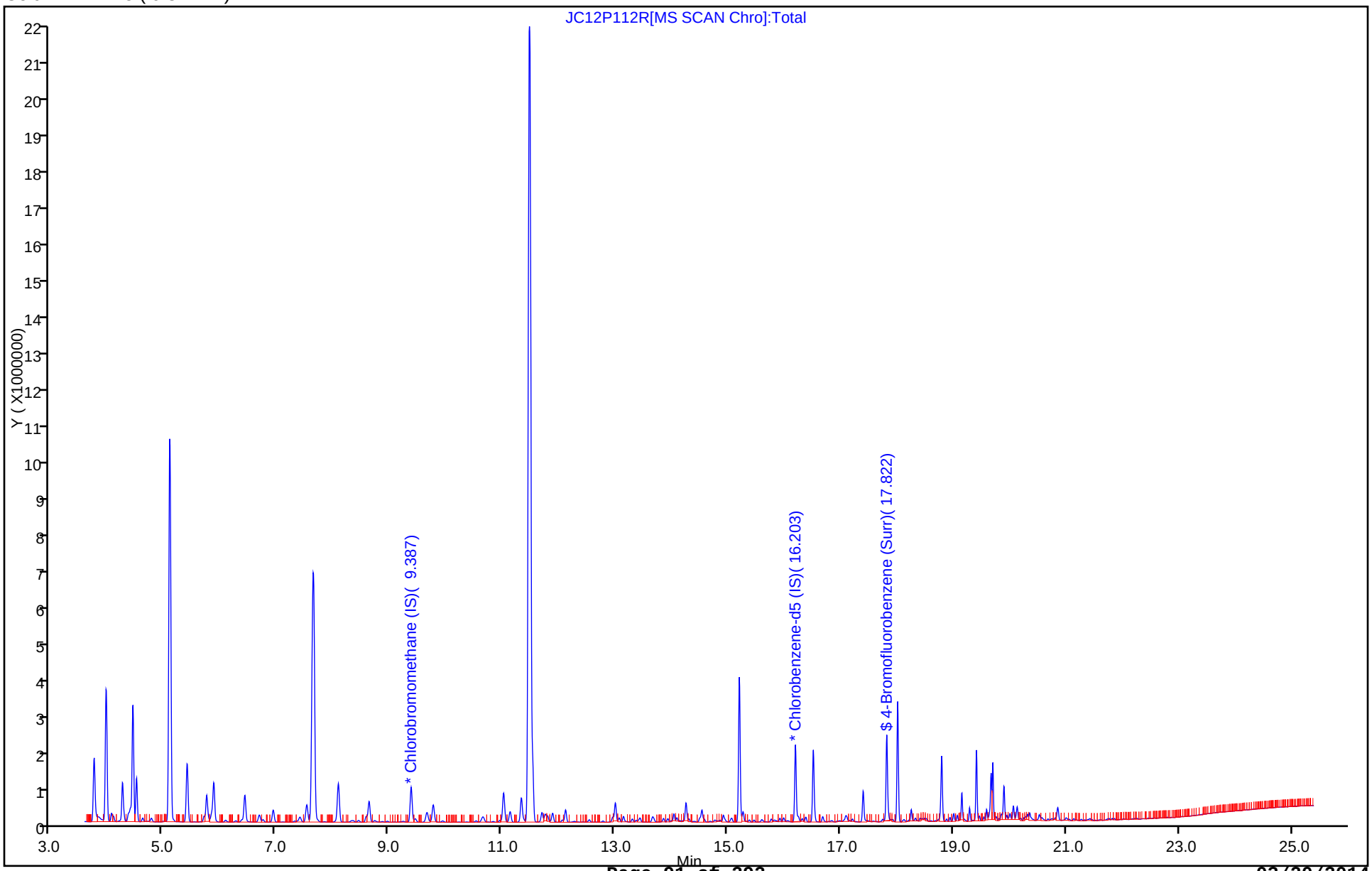
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5	Worklist Smp#:	26
Client ID:	SMSSV3-10				
Purge Vol:	500.000 mL	Dil. Factor:	11.6200	ALS Bottle#:	12
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



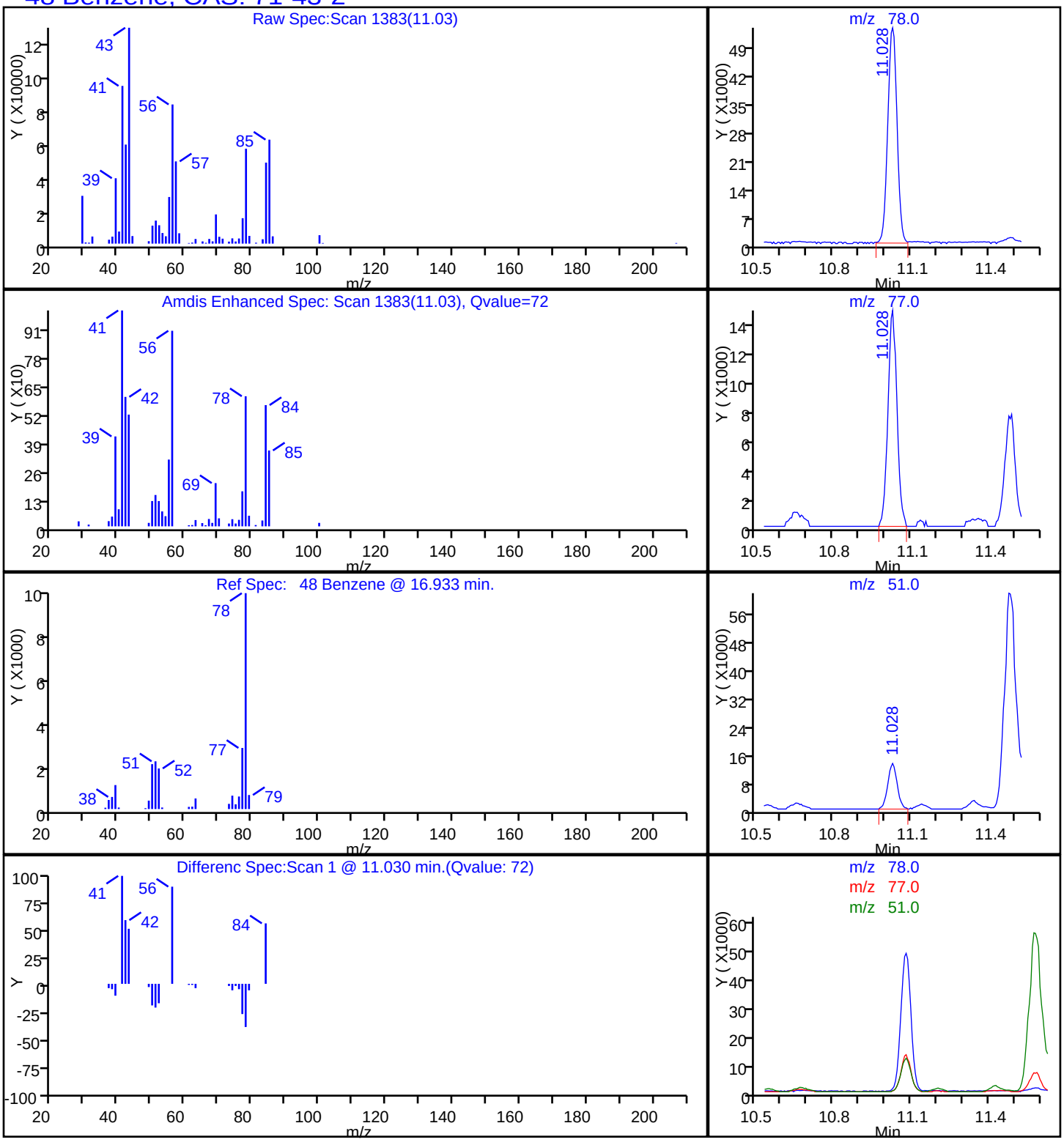
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

48 Benzene, CAS: 71-43-2



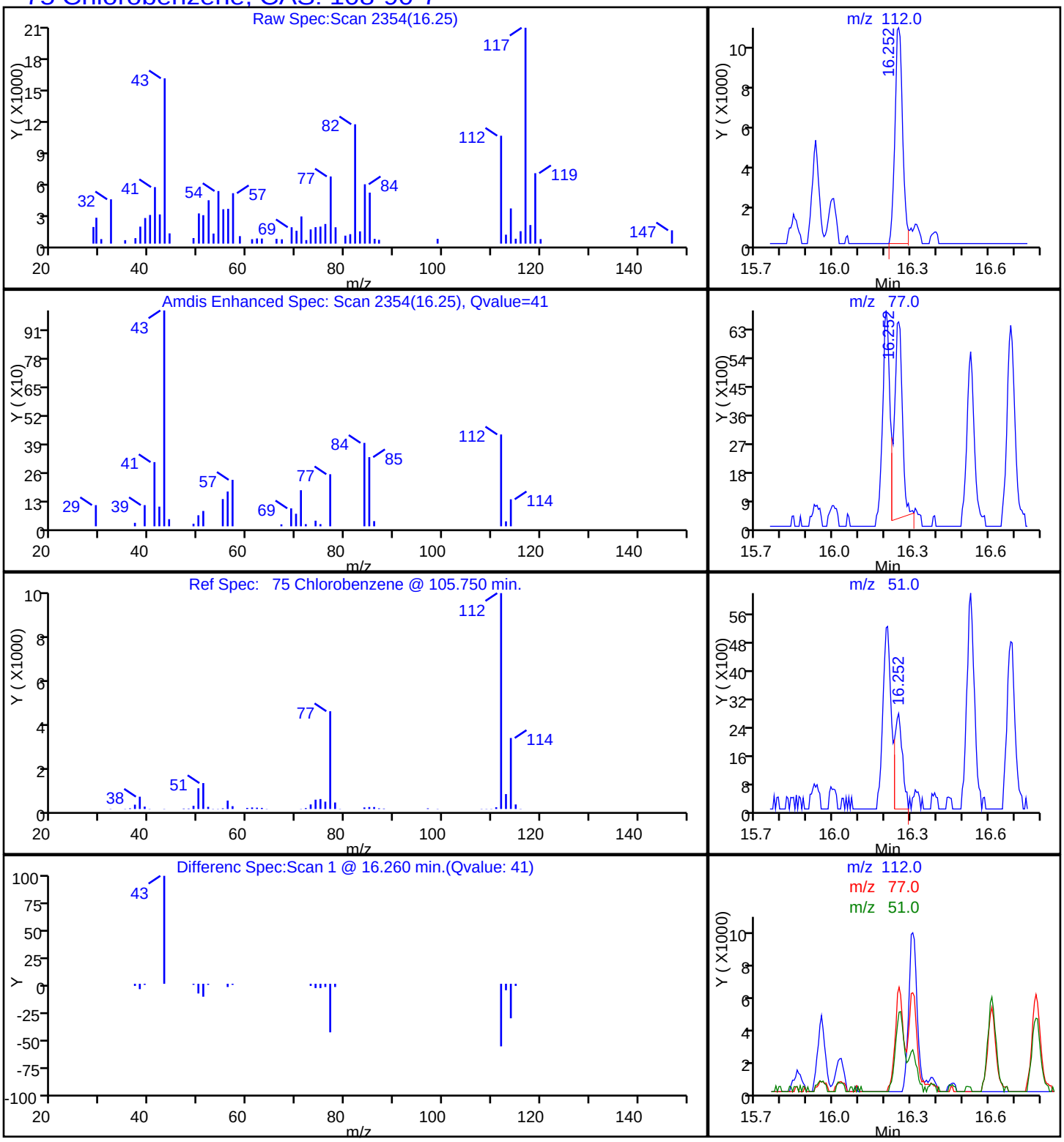
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

75 Chlorobenzene, CAS: 108-90-7



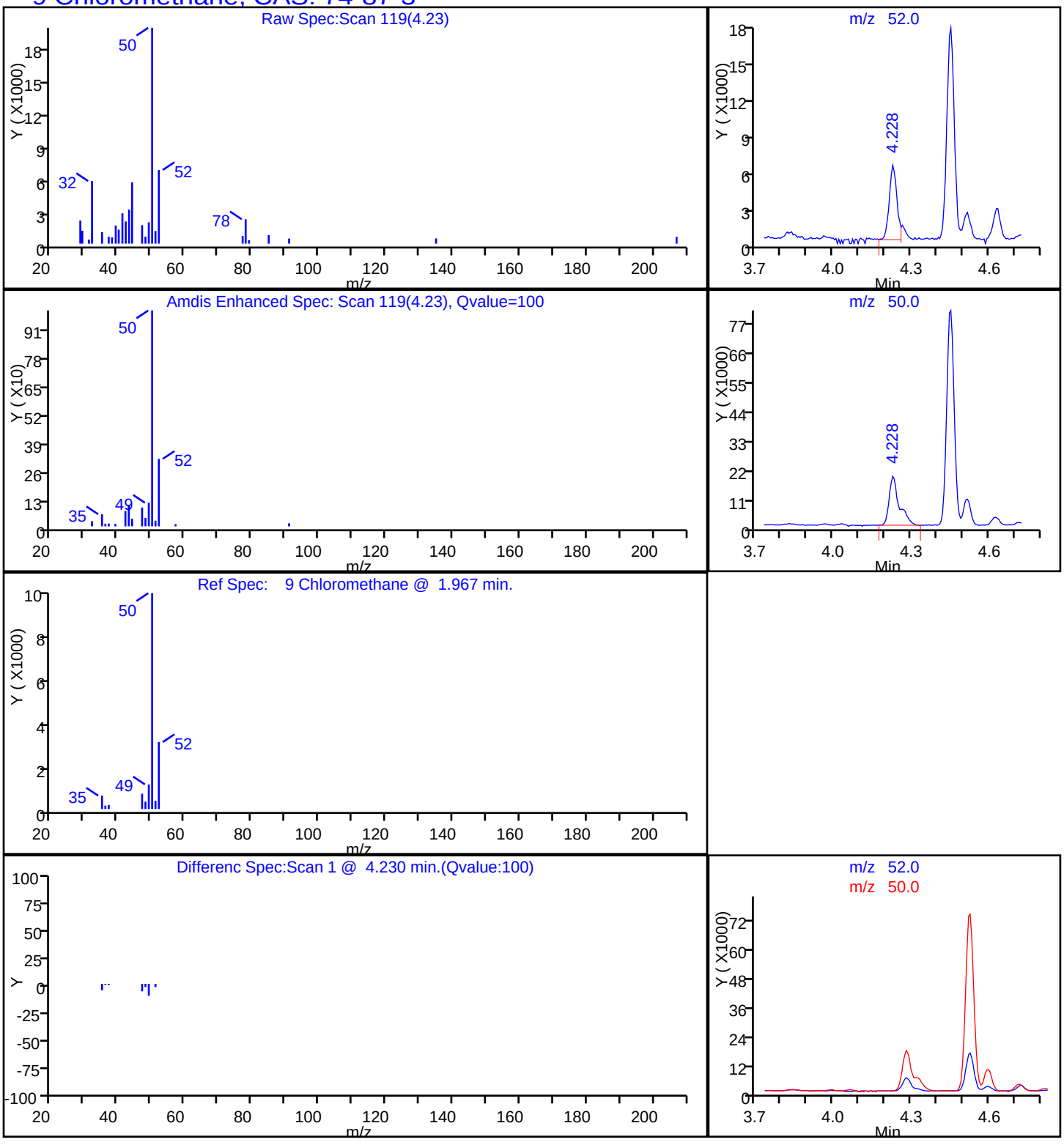
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

9 Chloromethane, CAS: 74-87-3



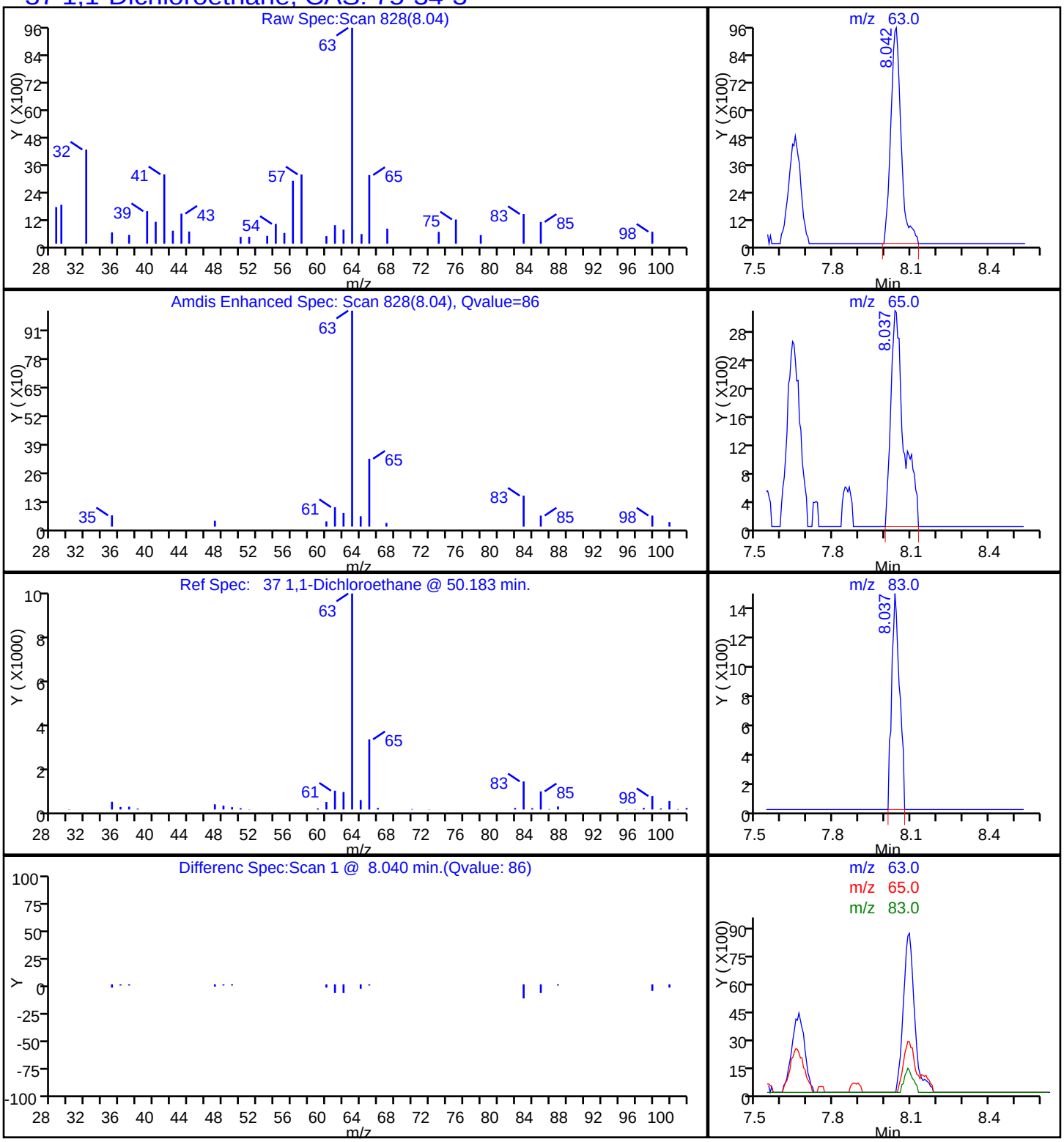
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



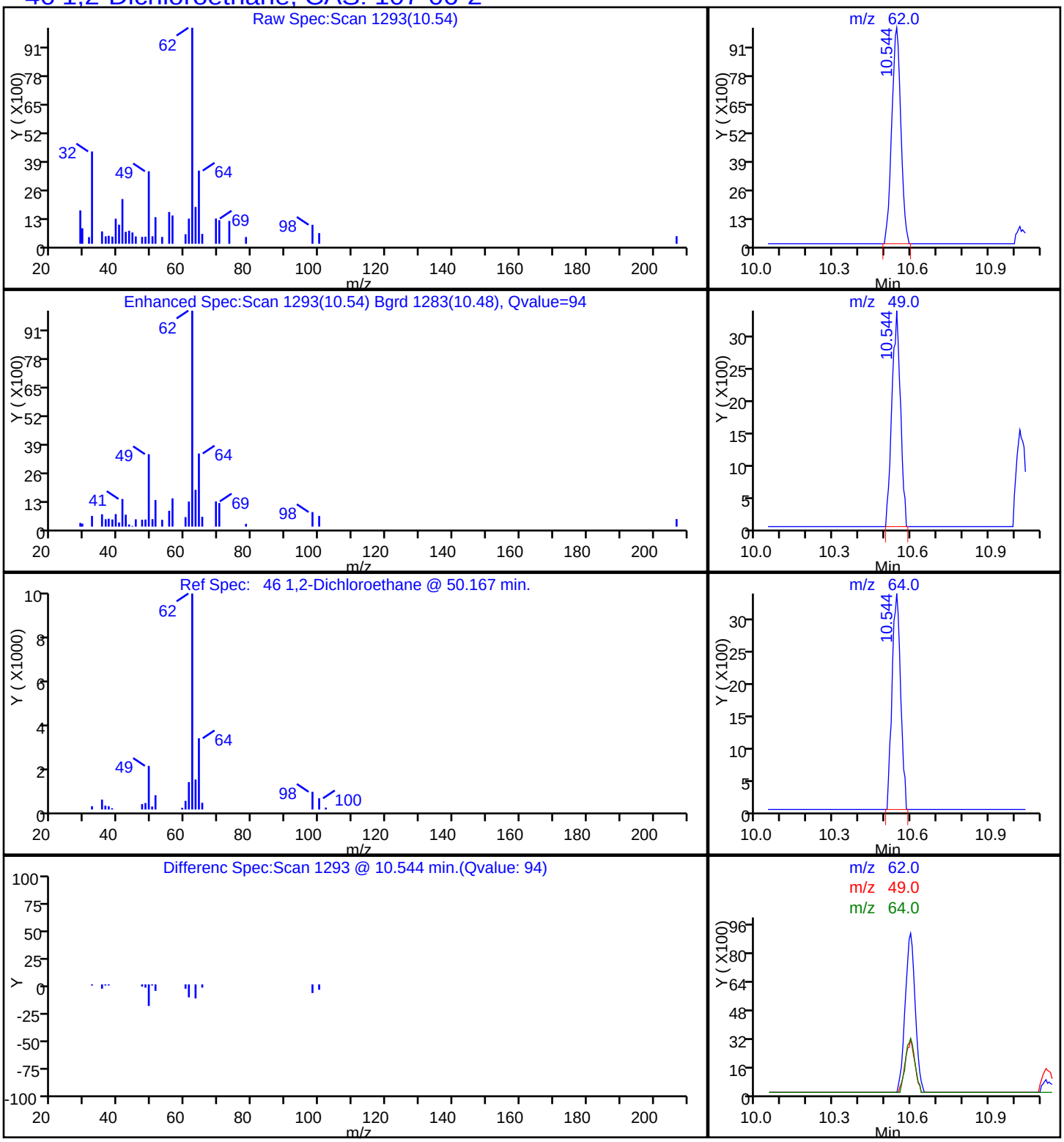
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2



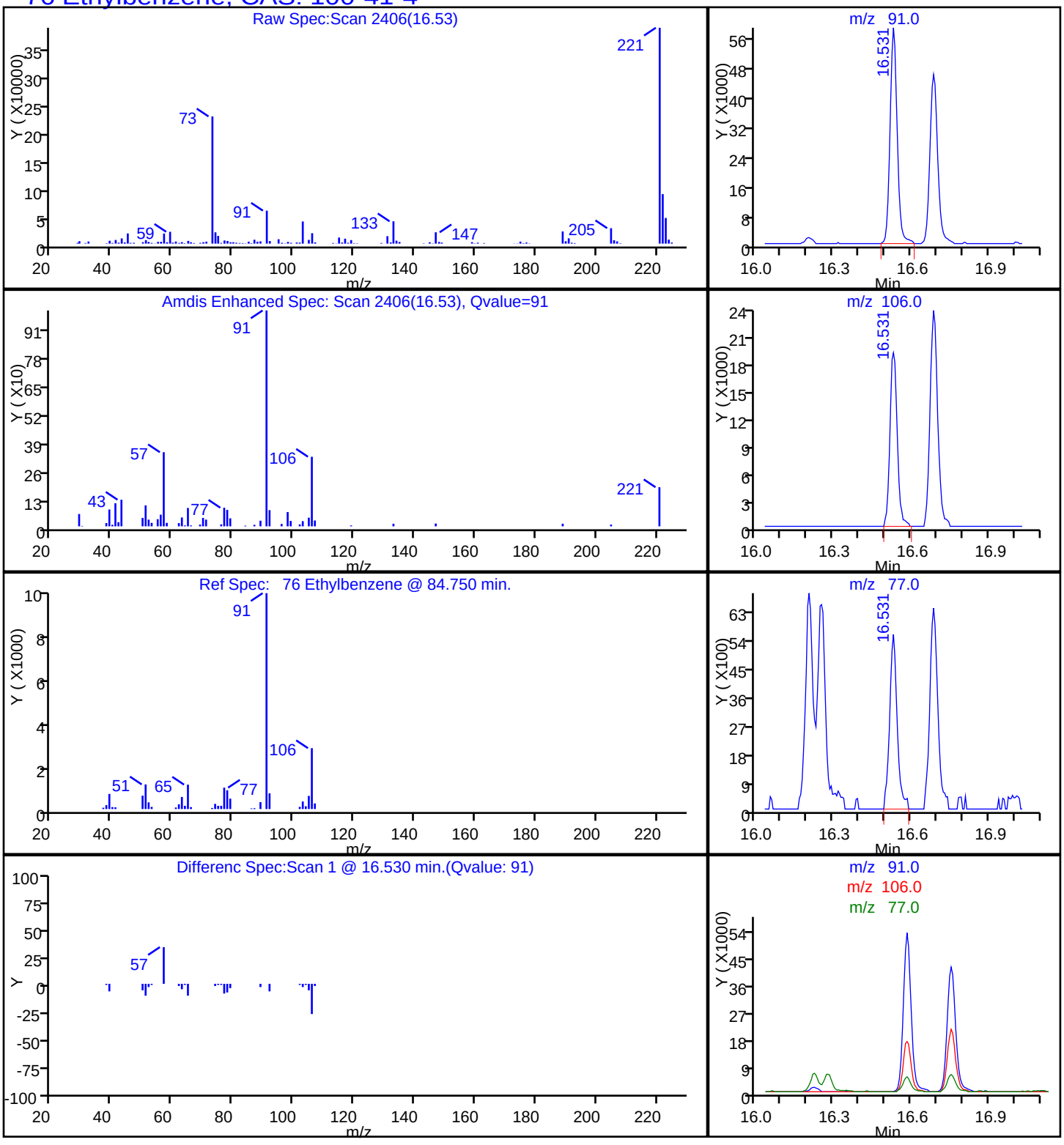
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



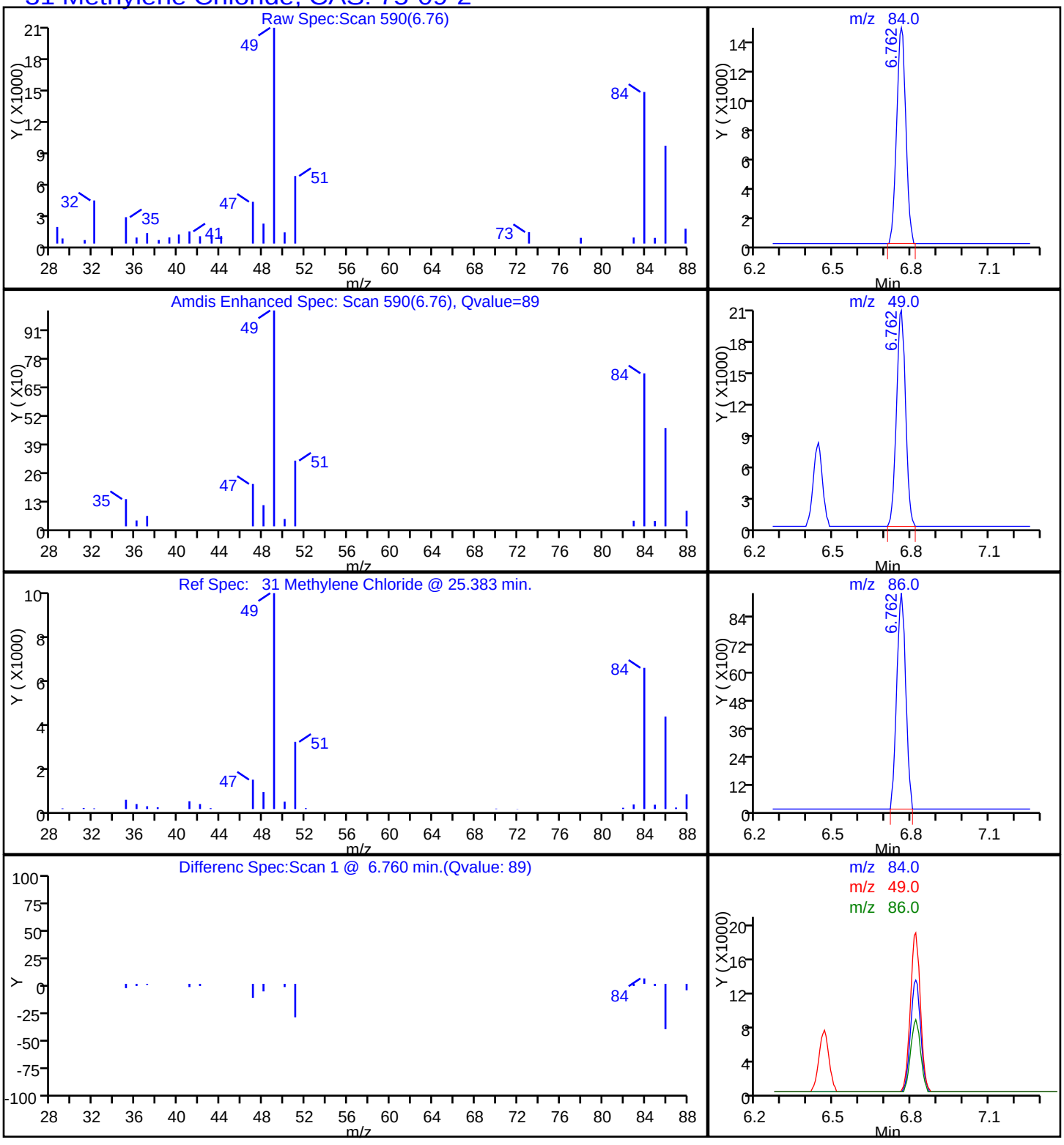
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



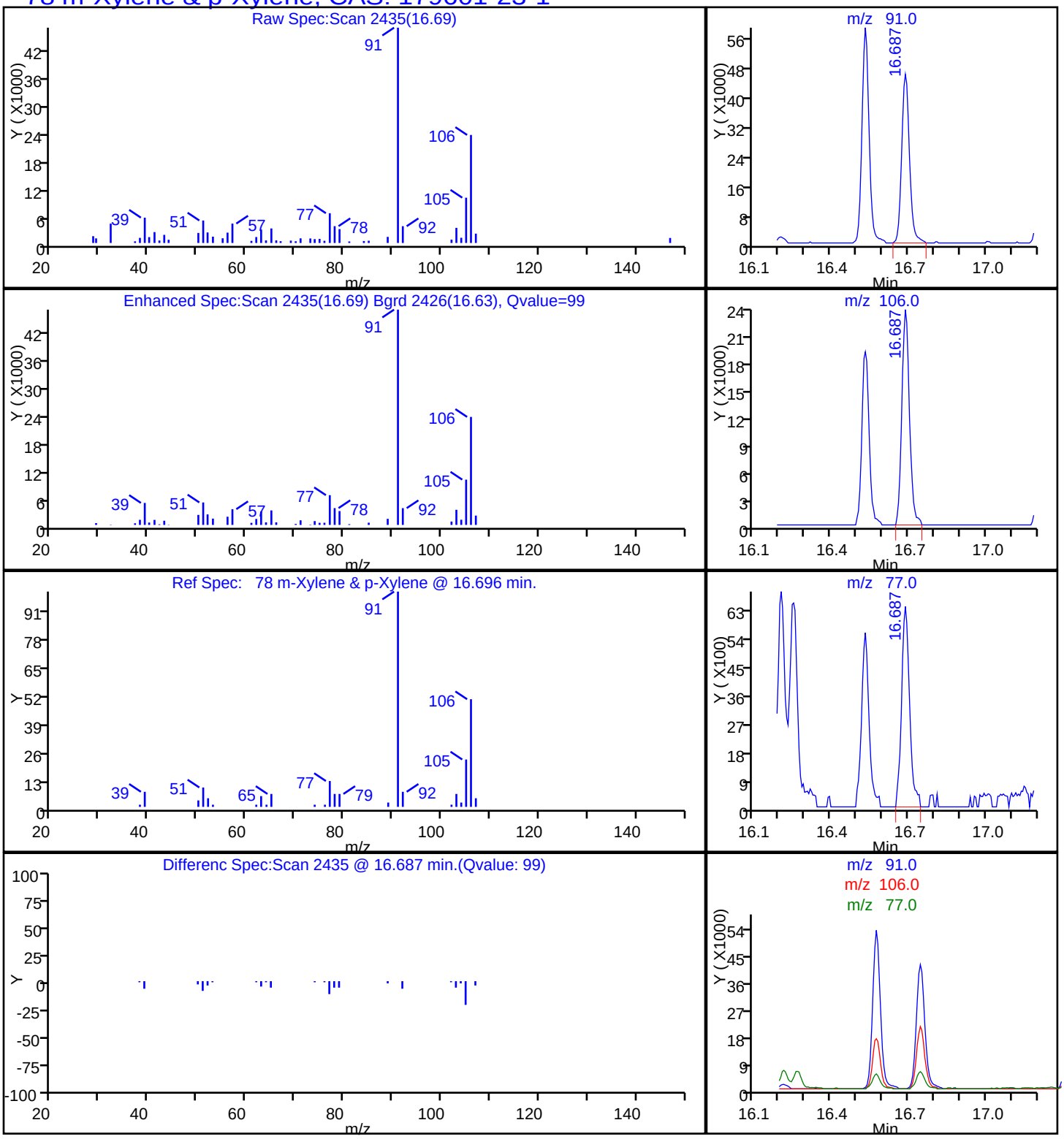
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

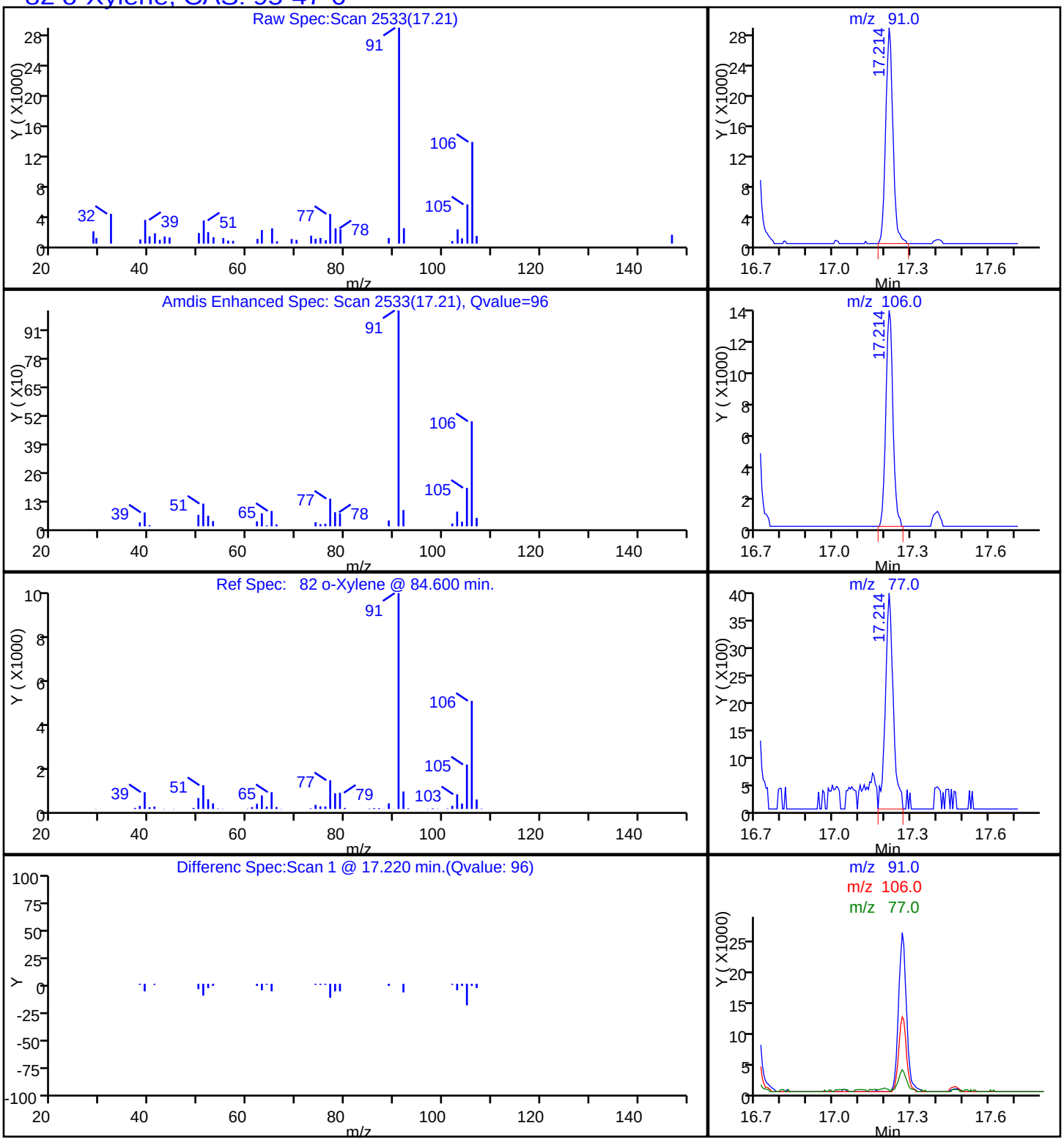
78 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D				
Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

82 o-Xylene, CAS: 95-47-6



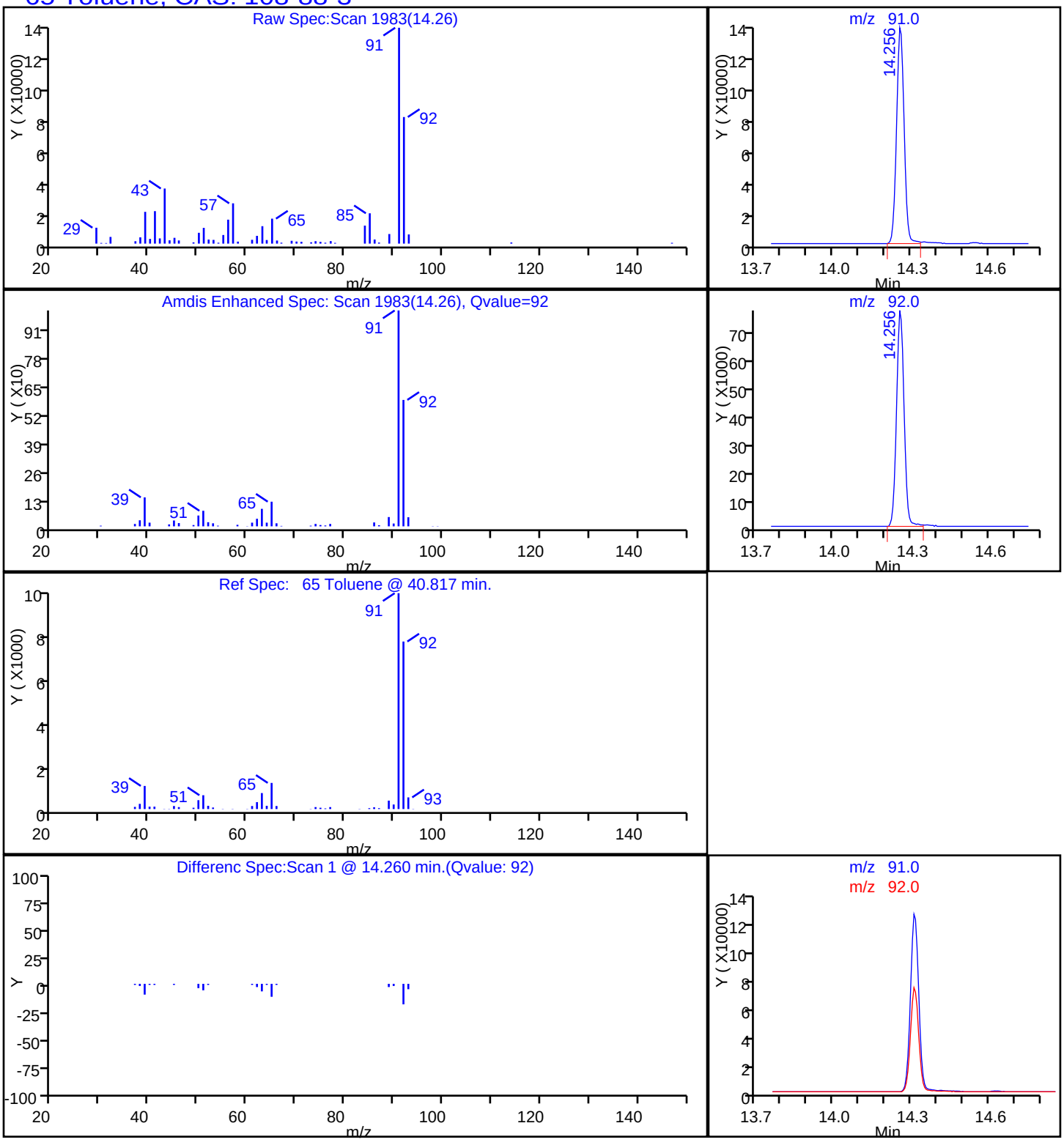
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



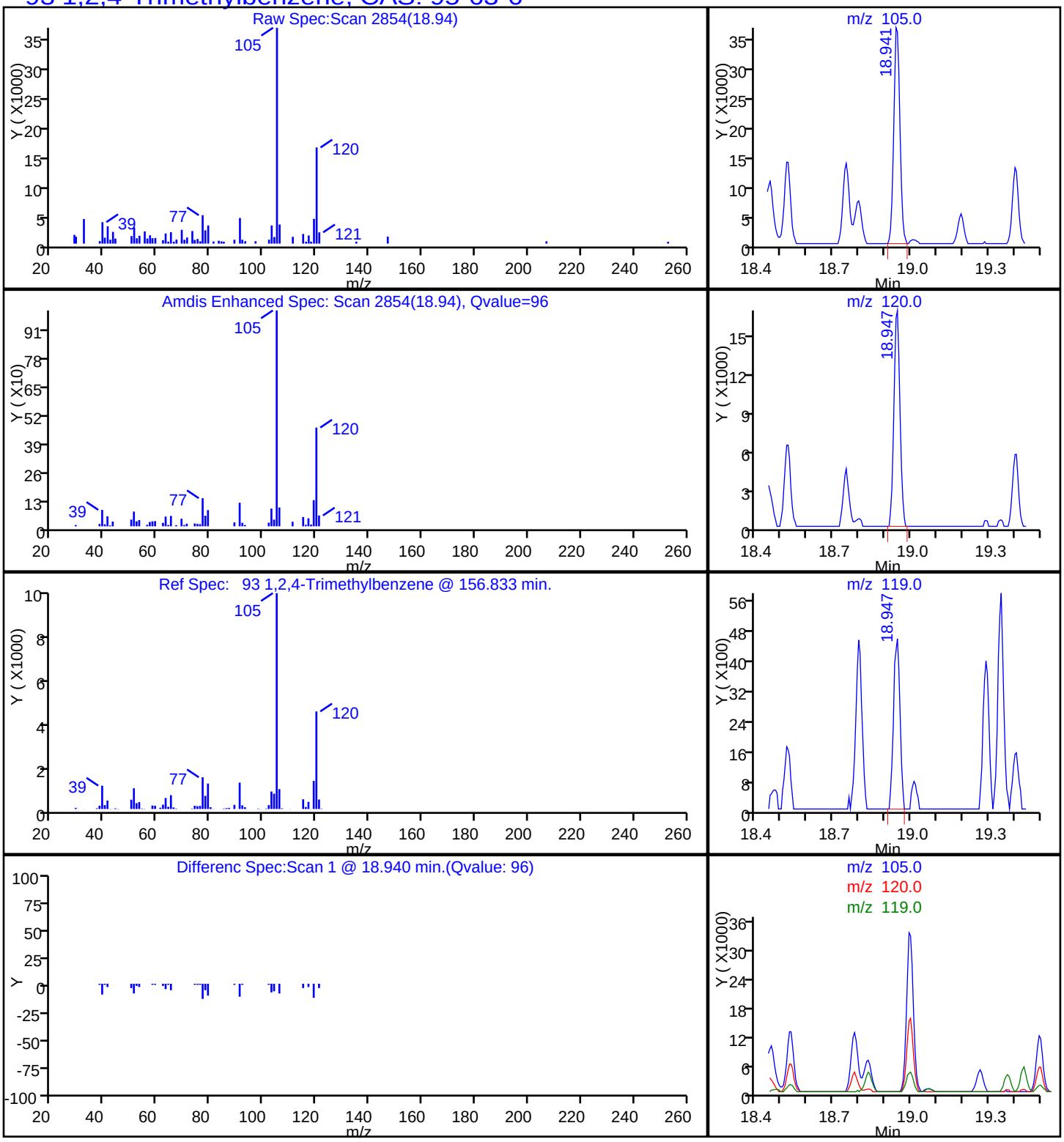
Report Date: 14-Mar-2014 16:59:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D

Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5
Client ID:	SMSSV3-10		
Operator ID:	7126	ALS Bottle#:	12 Worklist Smp#: 26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



Manual Integration/User Assign Peak Report

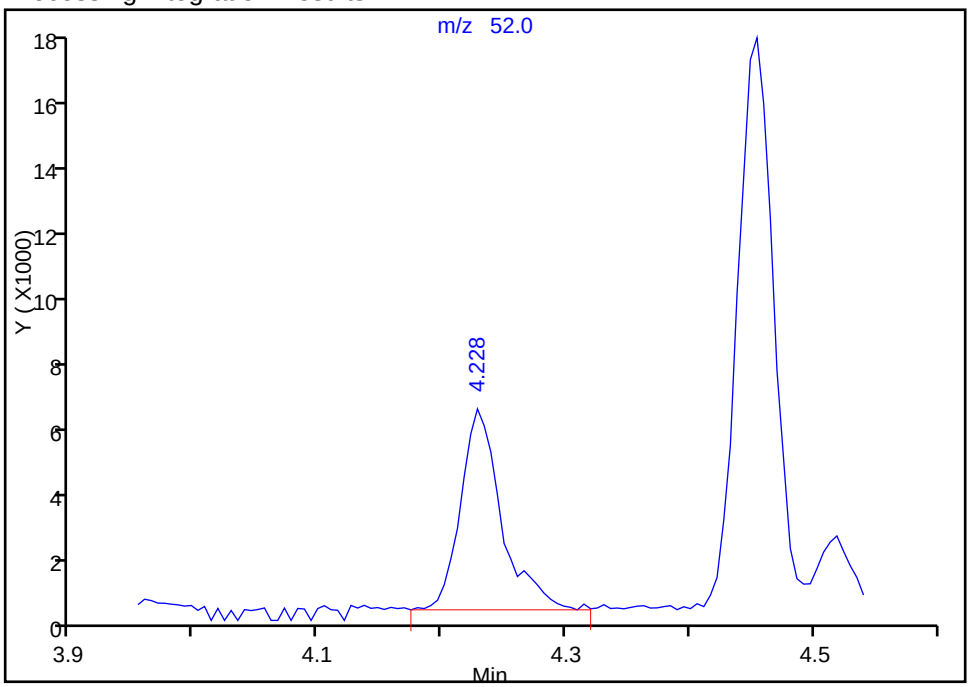
TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P112R.D				
Injection Date:	13-Mar-2014 08:29:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-5	Lab Sample ID:	140-1006-5		
Client ID:	SMSSV3-10				
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	11.6200		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

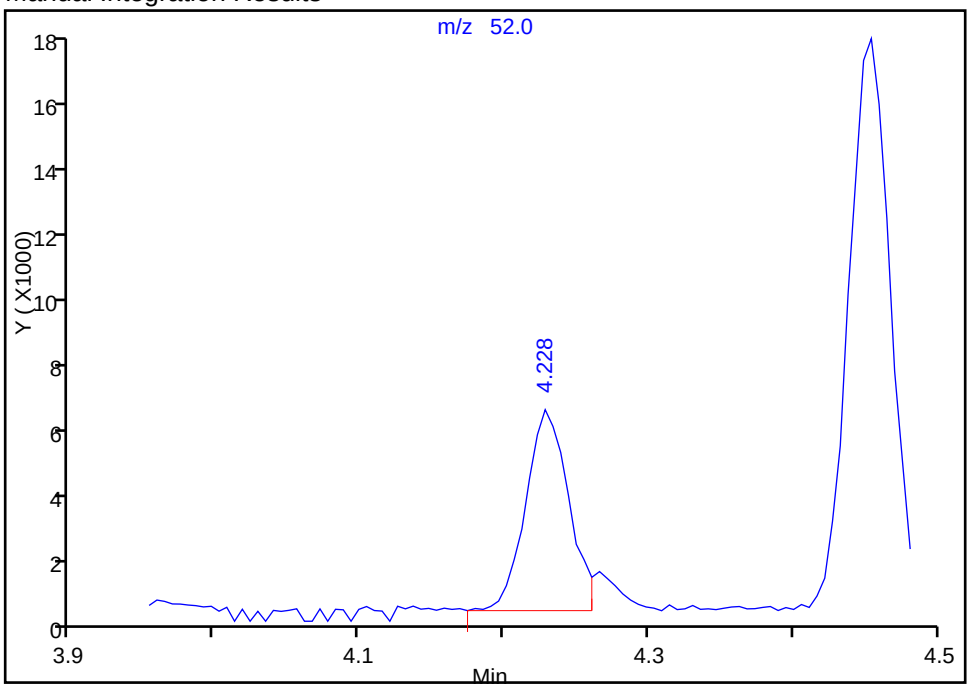
Processing Integration Results

RT: 4.23
Response: 14194
Amount: 0.376260



Manual Integration Results

RT: 4.23
Response: 12786
Amount: 0.338936



Reviewer: barlozhetskayaa, 14-Mar-2014 15:48:19
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV5-7 | Lab Sample ID: 140-1006-6

Matrix: Air | Lab File ID: JC12P113.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:07

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 02:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	3.1		2.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	3.6		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV5-7 | Lab Sample ID: 140-1006-6

Matrix: Air | Lab File ID: JC12P113.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:07

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 02:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.7		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV5-7 | Lab Sample ID: 140-1006-6

Matrix: Air | Lab File ID: JC12P113.D

Analysis Method: TO-15 | Date Collected: 03/05/2014 17:07

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 02:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	13		8.7	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	14		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV5-7 Lab Sample ID: 140-1006-6

Matrix: Air Lab File ID: JC12P113.D

Analysis Method: TO-15 Date Collected: 03/05/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 03/13/2014 02:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	13		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P113.D
Lims ID: 140-1006-A-6 Lab Sample ID: 140-1006-6
Client ID: SMSSV5-7
Sample Type: Client
Inject. Date: 13-Mar-2014 02:12:30 ALS Bottle#: 13 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-1006-a-6
Misc. Info.: J031214,TO15,,140-0000517-018
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:54:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.388	9.396	-0.008	90	333219	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.548	-0.003	94	1592527	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.203	16.212	-0.009	87	1323220	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	90	901919	3.85	
31 Methylene Chloride	84	6.762	6.765	-0.003	75	6082	0.0682	
48 Benzene	78	11.028	11.037	-0.009	37	8911	0.0326	
65 Toluene	91	14.256	14.264	-0.008	86	35681	0.1454	
76 Ethylbenzene	91	16.532	16.540	-0.008	42	8059	0.0297	
78 m-Xylene & p-Xylene	91	16.688	16.696	-0.008	95	27170	0.1242	
82 o-Xylene	91	17.215	17.223	-0.008	77	15592	0.0703	
89 1,3,5-Trimethylbenzene	120	18.517	18.525	-0.008	59	3889	0.0262	
93 1,2,4-Trimethylbenzene	105	18.947	18.950	-0.003	87	28052	0.1092	

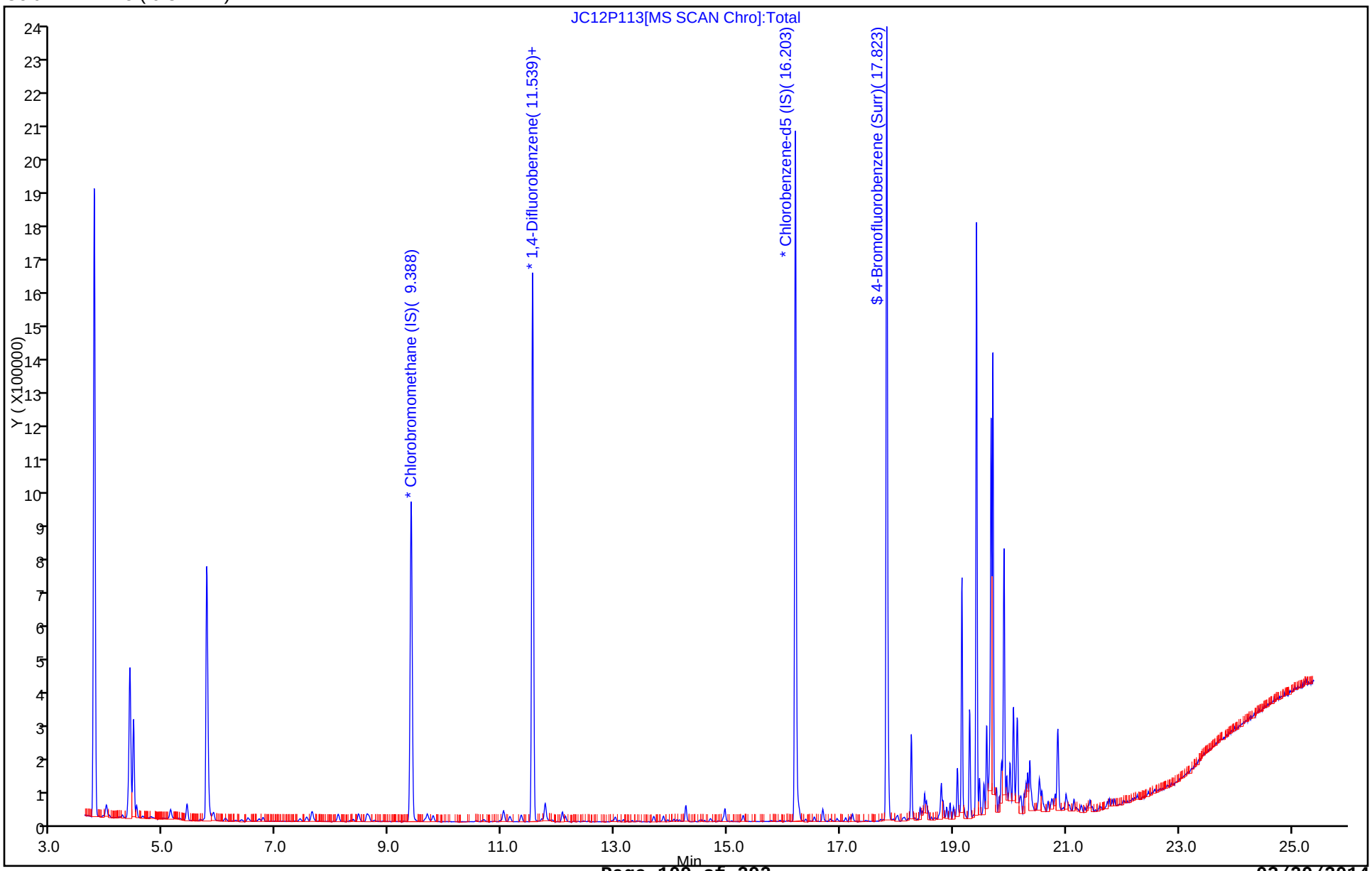
Report Date: 14-Mar-2014 16:59:05 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P113.D

Injection Date:	13-Mar-2014 02:12:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-6	Lab Sample ID:	140-1006-6	Worklist Smp#:	18
Client ID:	SMSSV5-7				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



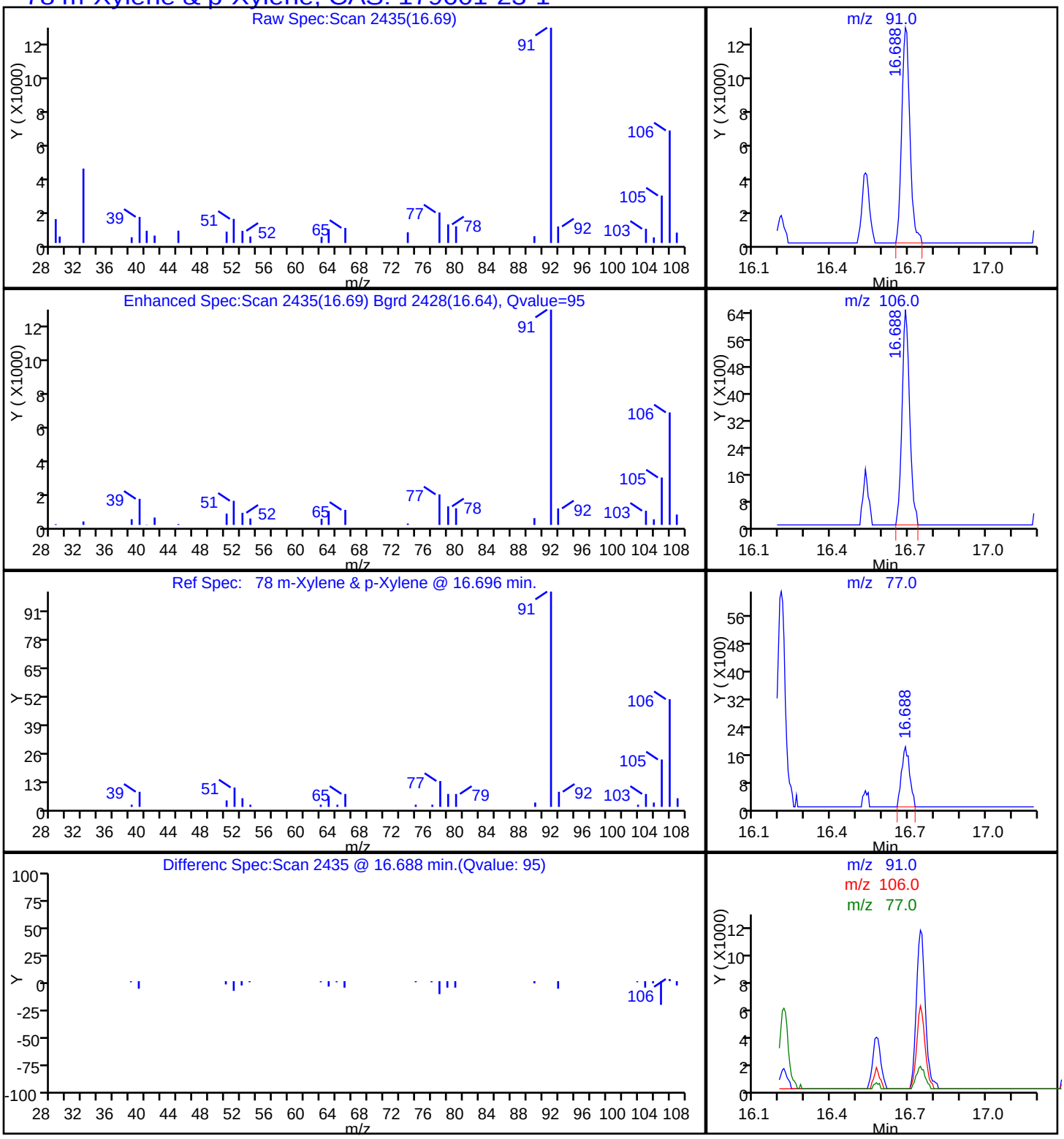
Report Date: 14-Mar-2014 16:59:05 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P113.D

Injection Date:	13-Mar-2014 02:12:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-6	Lab Sample ID:	140-1006-6		
Client ID:	SMSSV5-7				
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



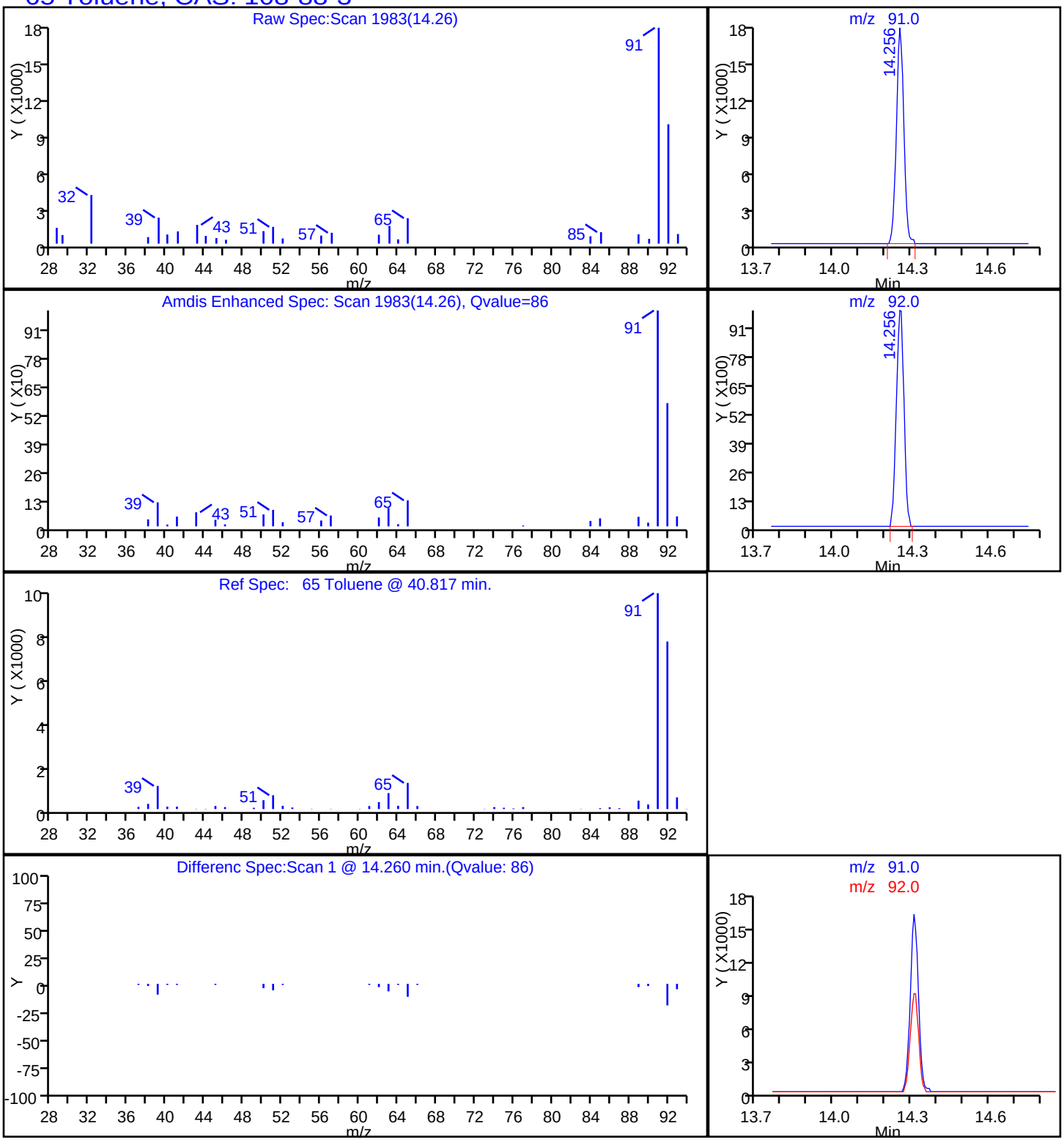
Report Date: 14-Mar-2014 16:59:05 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P113.D

Injection Date:	13-Mar-2014 02:12:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-6	Lab Sample ID:	140-1006-6		
Client ID:	SMSSV5-7				
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



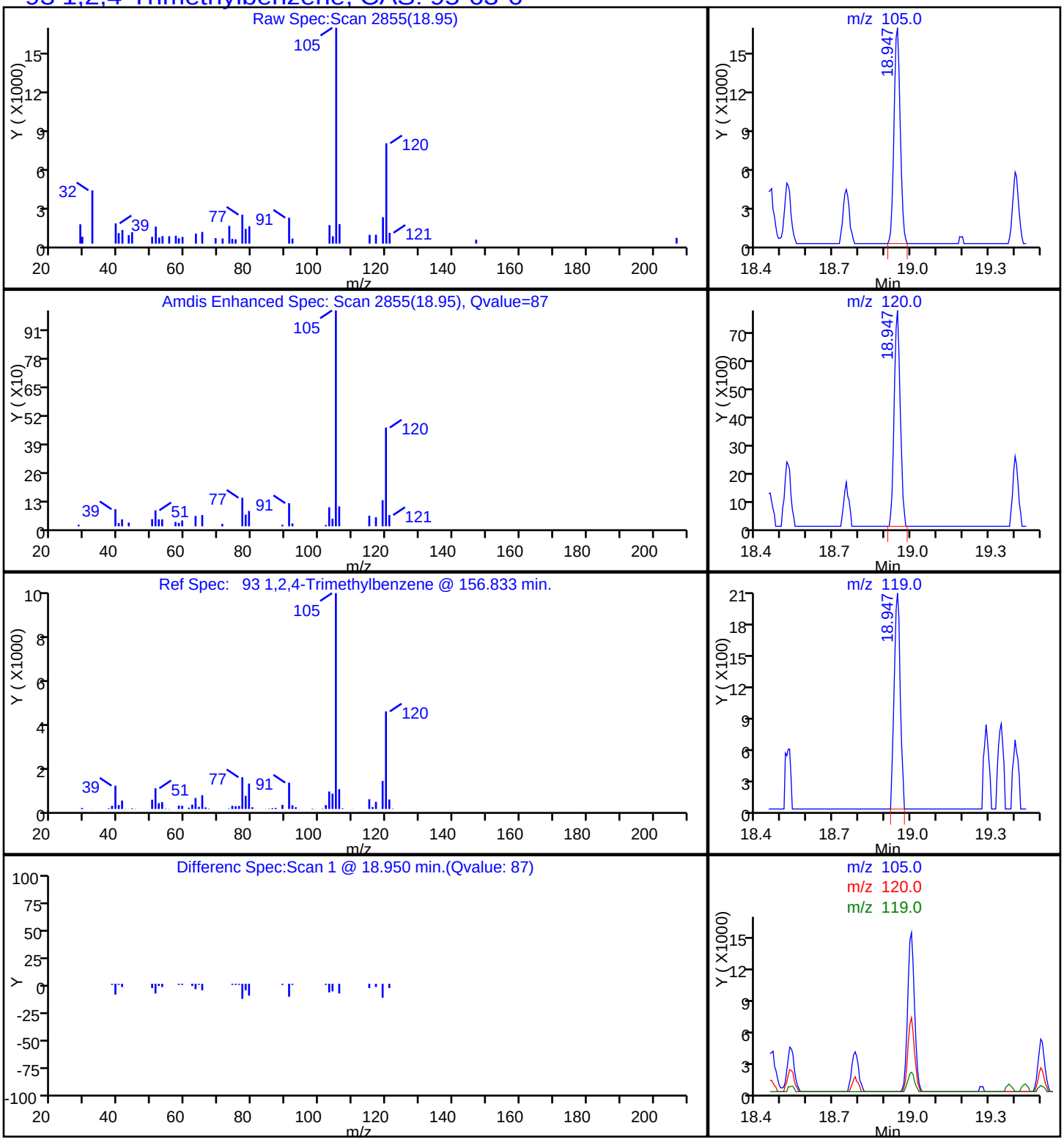
Report Date: 14-Mar-2014 16:59:05 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P113.D

Injection Date:	13-Mar-2014 02:12:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-6	Lab Sample ID:	140-1006-6		
Client ID:	SMSSV5-7				
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV9-10 | Lab Sample ID: 140-1006-7

Matrix: Air | Lab File ID: JC12P114.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 09:50

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 03:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	4.1		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	2.3		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	8.8		2.0	
95-47-6	o-Xylene	106.17	4.2		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	13		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV9-10 | Lab Sample ID: 140-1006-7

Matrix: Air | Lab File ID: JC12P114.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 09:50

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 03:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	4.6		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV9-10 | Lab Sample ID: 140-1006-7

Matrix: Air | Lab File ID: JC12P114.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 09:50

Sample wt/vol: 20(mL) | Date Analyzed: 03/13/2014 03:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	13		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	10		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	38		8.7	
95-47-6	o-Xylene	106.17	18		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	47		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV9-10 Lab Sample ID: 140-1006-7

Matrix: Air Lab File ID: JC12P114.D

Analysis Method: TO-15 Date Collected: 03/06/2014 09:50

Sample wt/vol: 20(mL) Date Analyzed: 03/13/2014 03:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	23		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D				
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 03:06:30	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-1006-a-7				
Misc. Info.:	J031214,TO15,,140-0000517-019				
Operator ID:	7126	Instrument ID:	MJ		
Method:	\\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Mar-2014 16:58:32	Calib Date:	11-Mar-2014 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK021				
First Level Reviewer: tajh		Date:	13-Mar-2014 09:55:02		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.388	9.396	-0.008	90	337368	4.00	
* 2 1,4-Difluorobenzene	114	11.539	11.548	-0.009	94	1600393	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.203	16.212	-0.009	87	1298845	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	90	843833	3.67	
20 Trichlorofluoromethane	101	5.644	5.652	-0.008	19	3318	0.0113	
31 Methylene Chloride	84	6.757	6.765	-0.008	90	7513	0.0832	
48 Benzene	78	11.028	11.037	-0.009	94	44856	0.1634	
65 Toluene	91	14.256	14.264	-0.008	93	121035	0.5023	
76 Ethylbenzene	91	16.532	16.540	-0.008	84	24795	0.0932	
78 m-Xylene & p-Xylene	91	16.688	16.696	-0.008	99	75300	0.3506	
82 o-Xylene	91	17.215	17.223	-0.008	91	37004	0.1700	
89 1,3,5-Trimethylbenzene	120	18.522	18.525	-0.003	82	6484	0.0446	
93 1,2,4-Trimethylbenzene	105	18.947	18.950	-0.003	94	46273	0.1834	

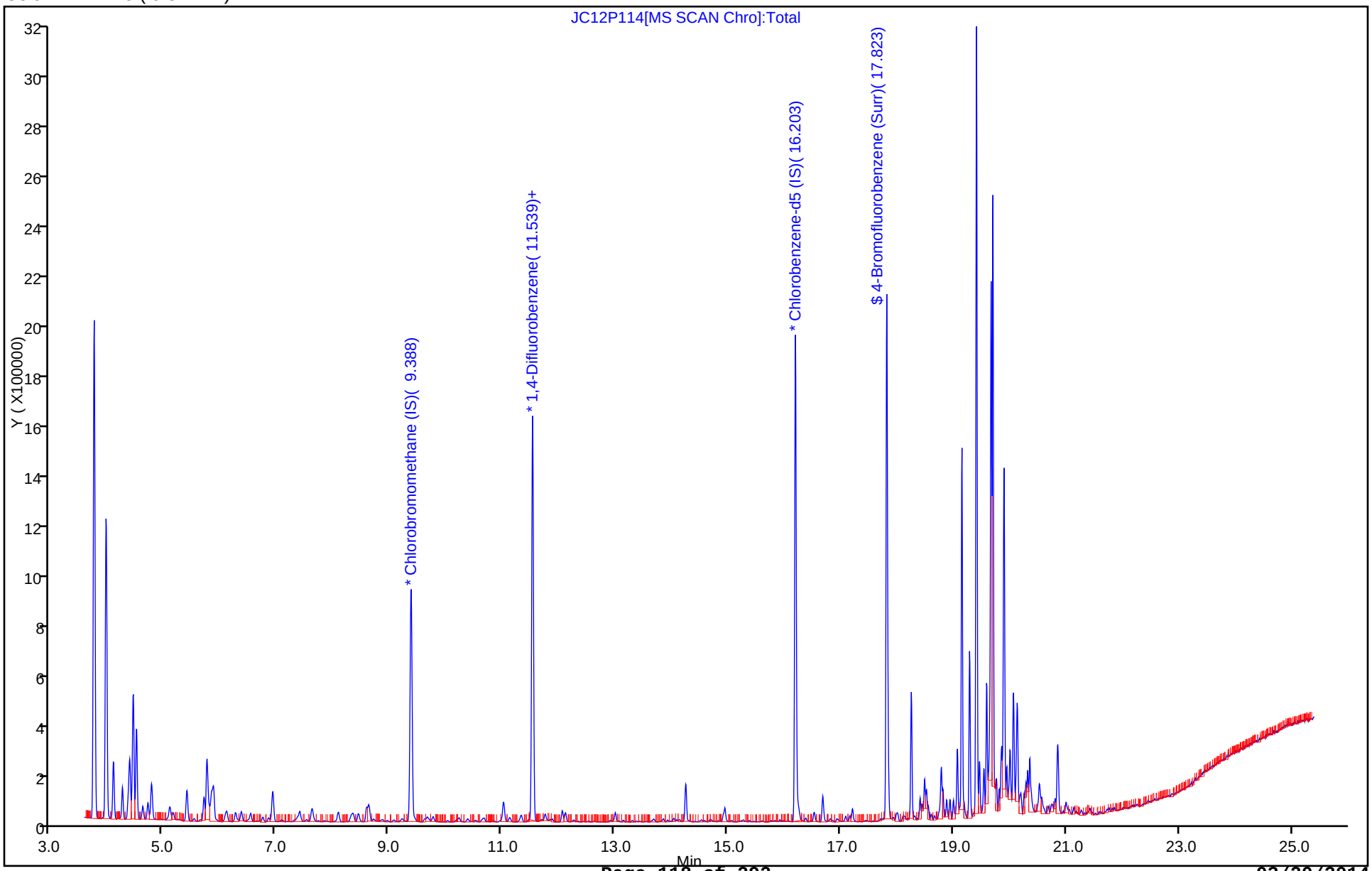
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7	Worklist Smp#:	19
Client ID:	SMSSV9-10				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



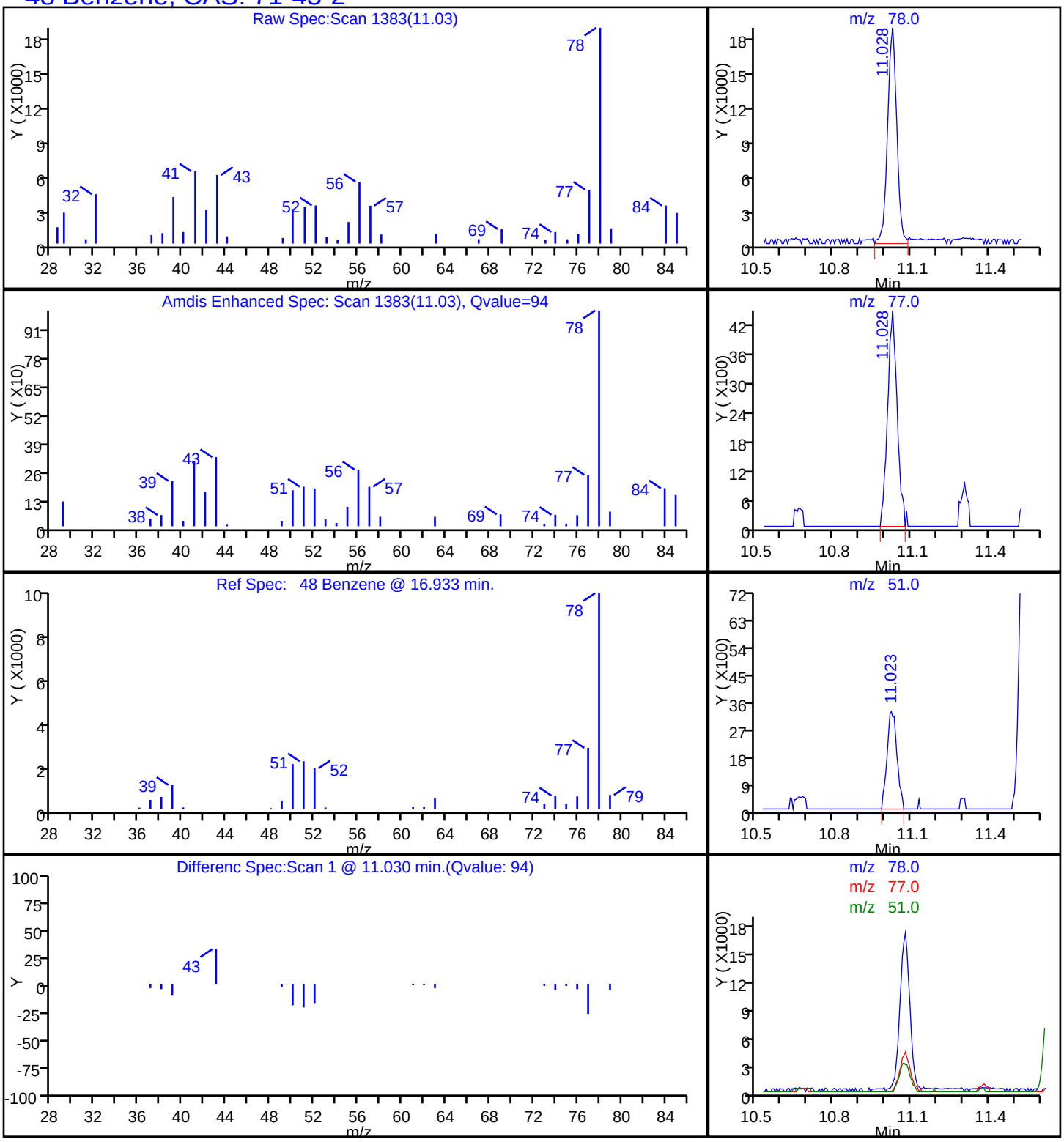
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

48 Benzene, CAS: 71-43-2



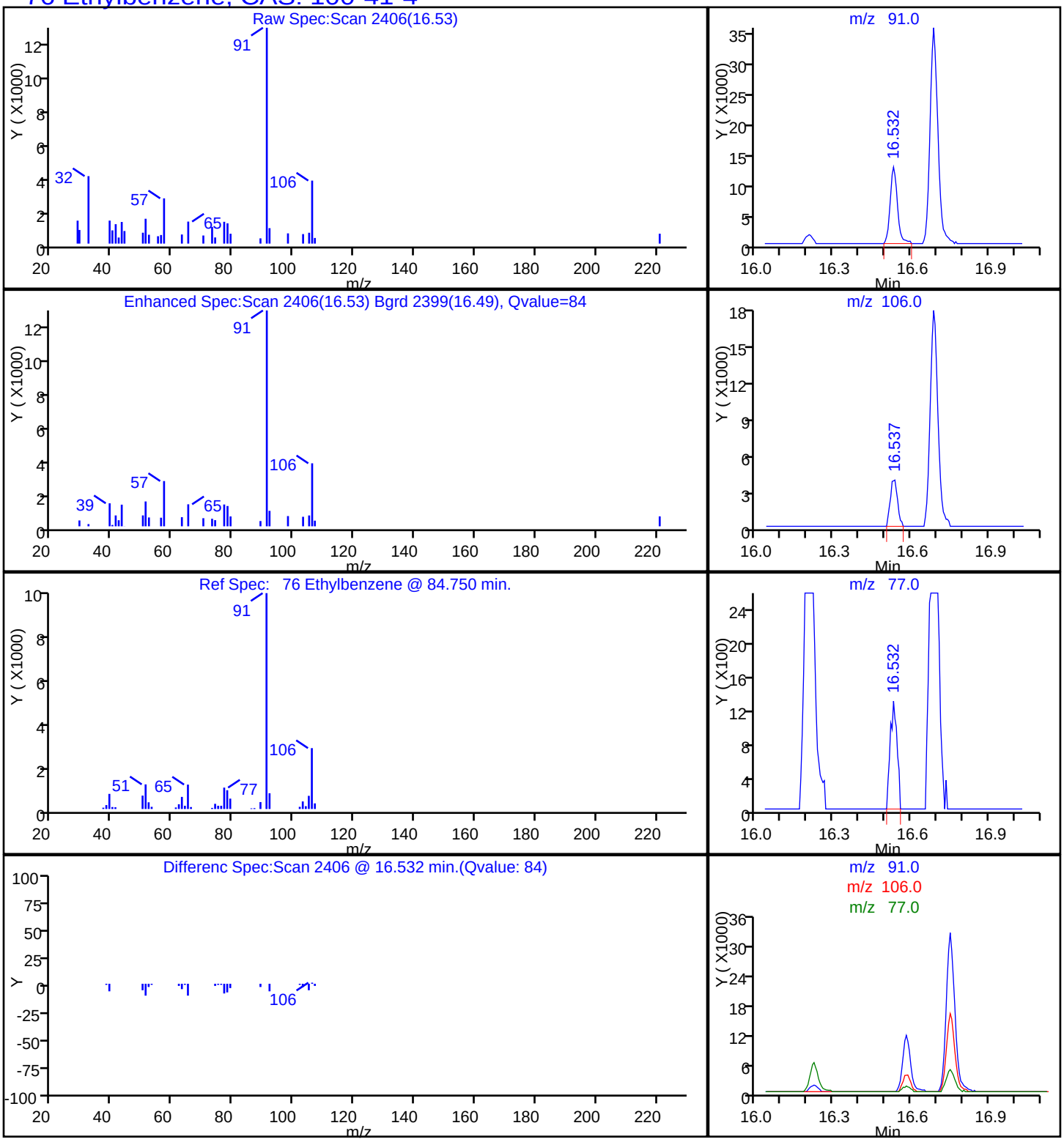
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7
Client ID:	SMSSV9-10		
Operator ID:	7126	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



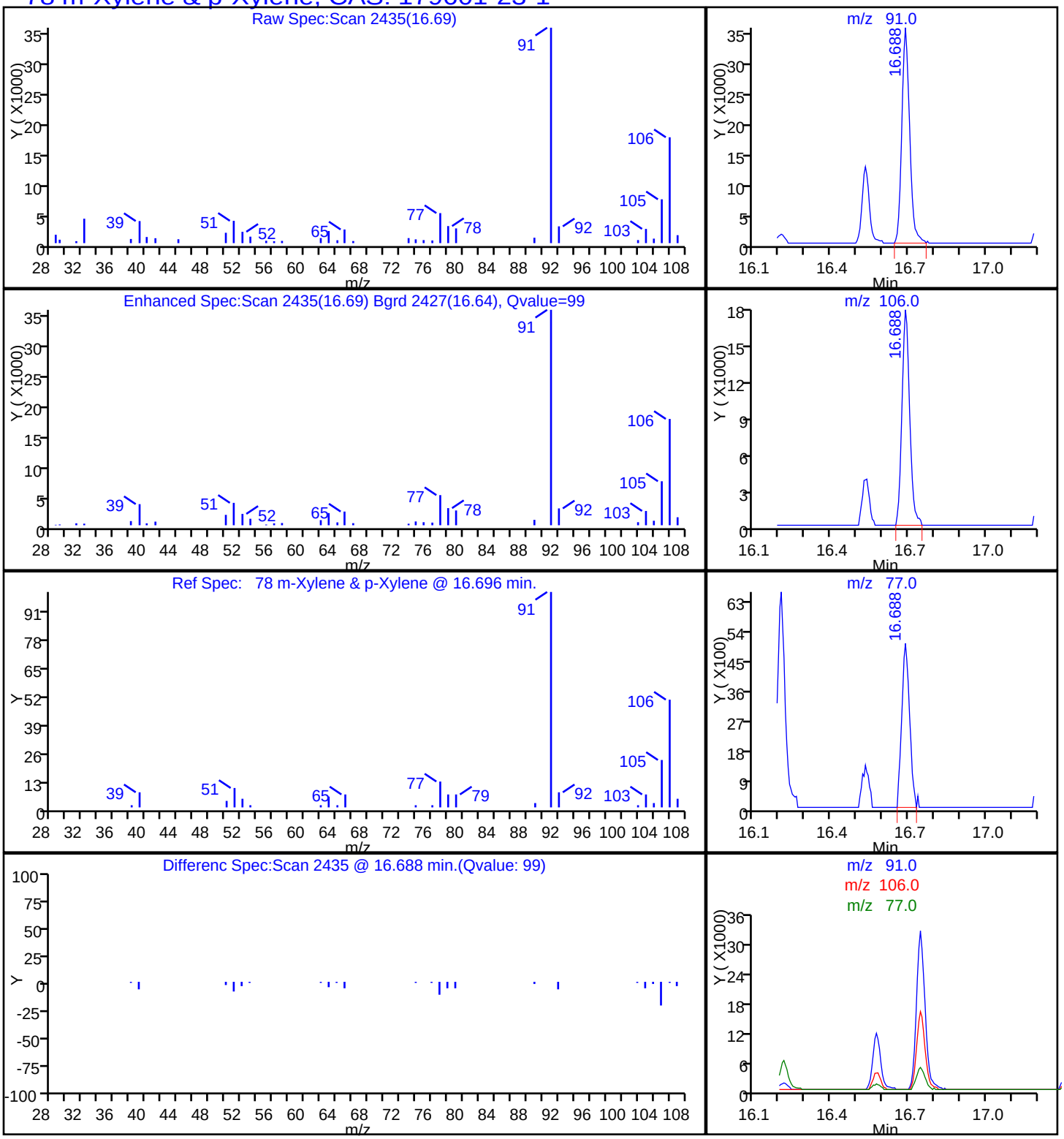
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



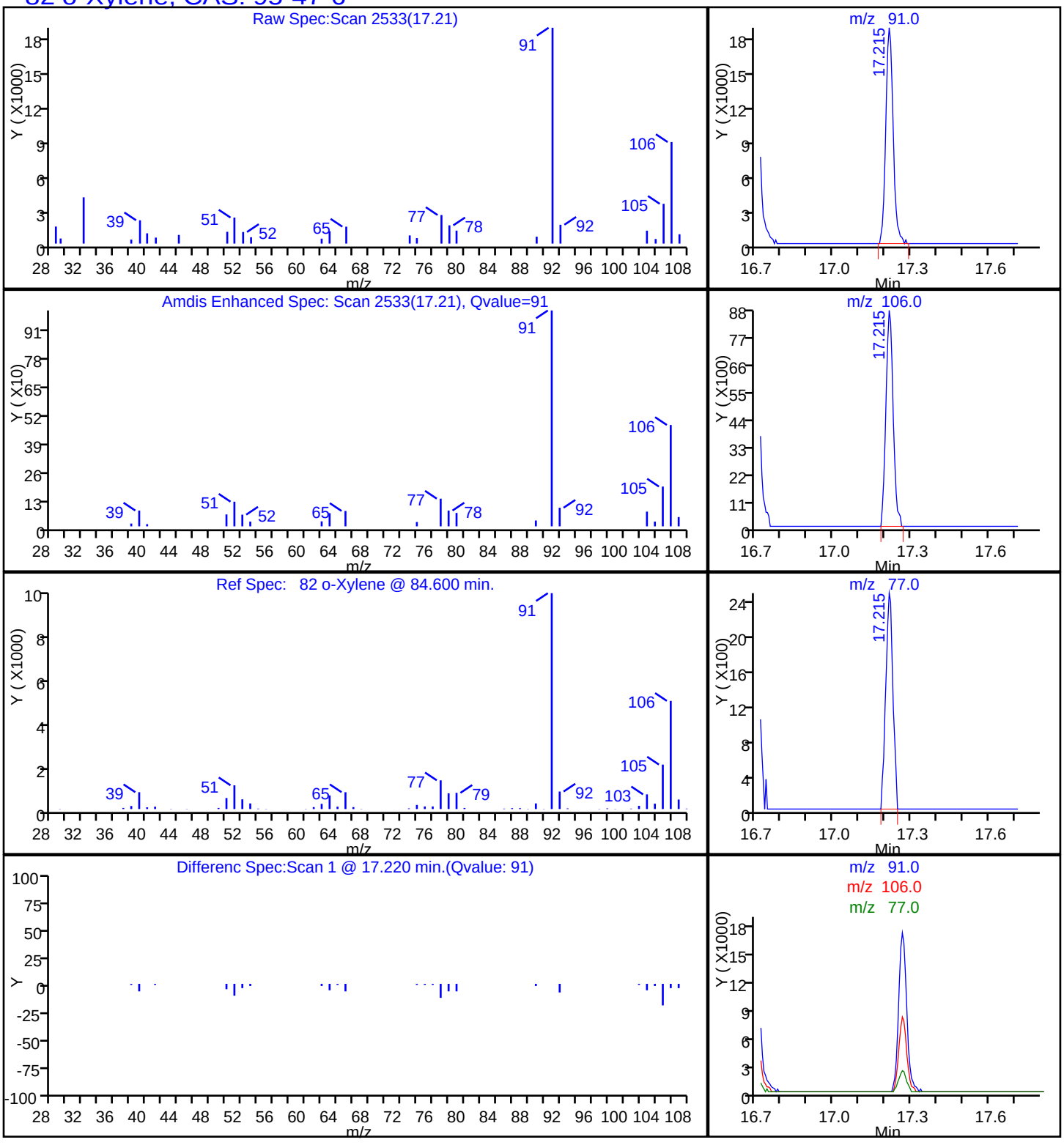
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

82 o-Xylene, CAS: 95-47-6



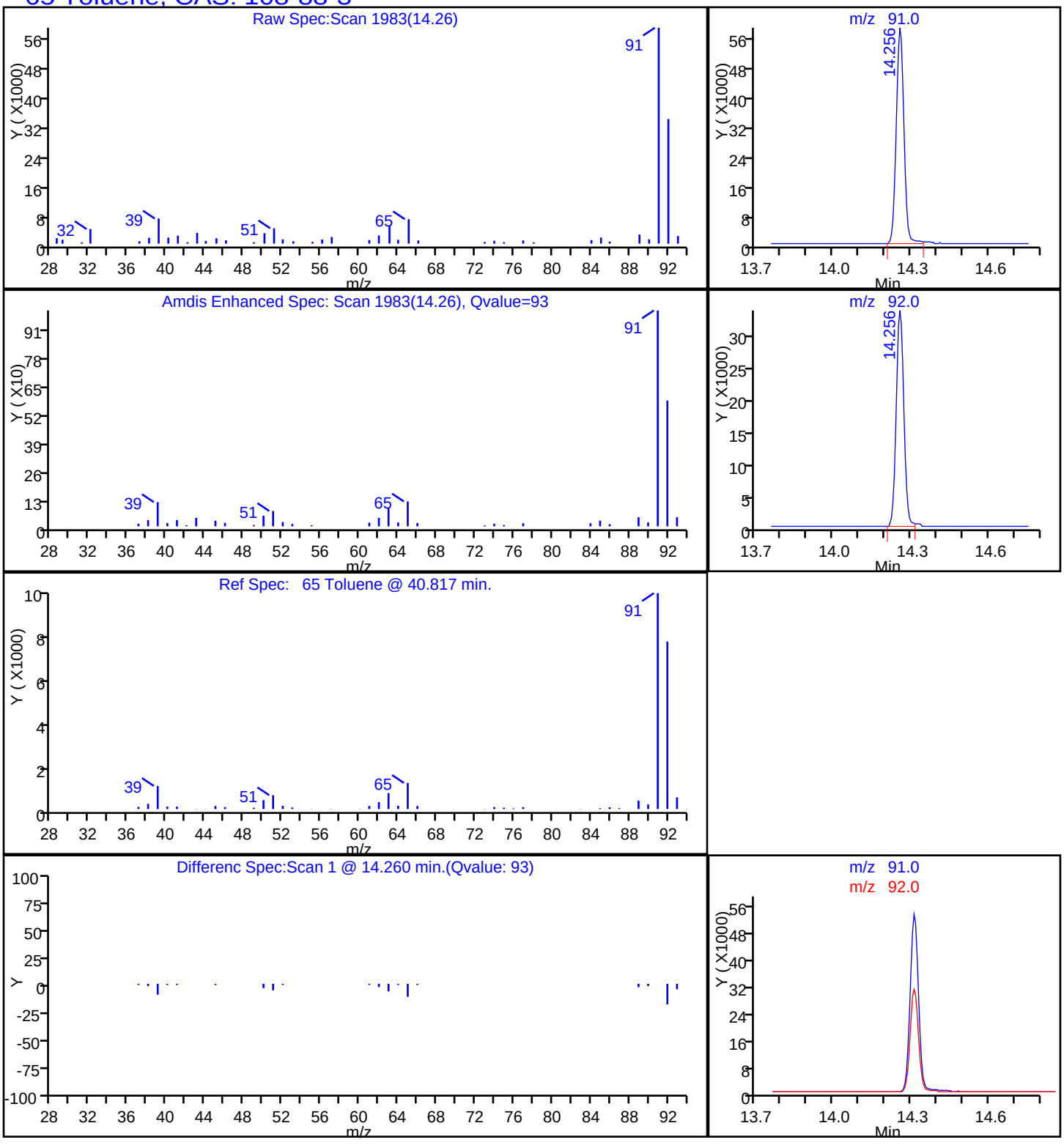
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



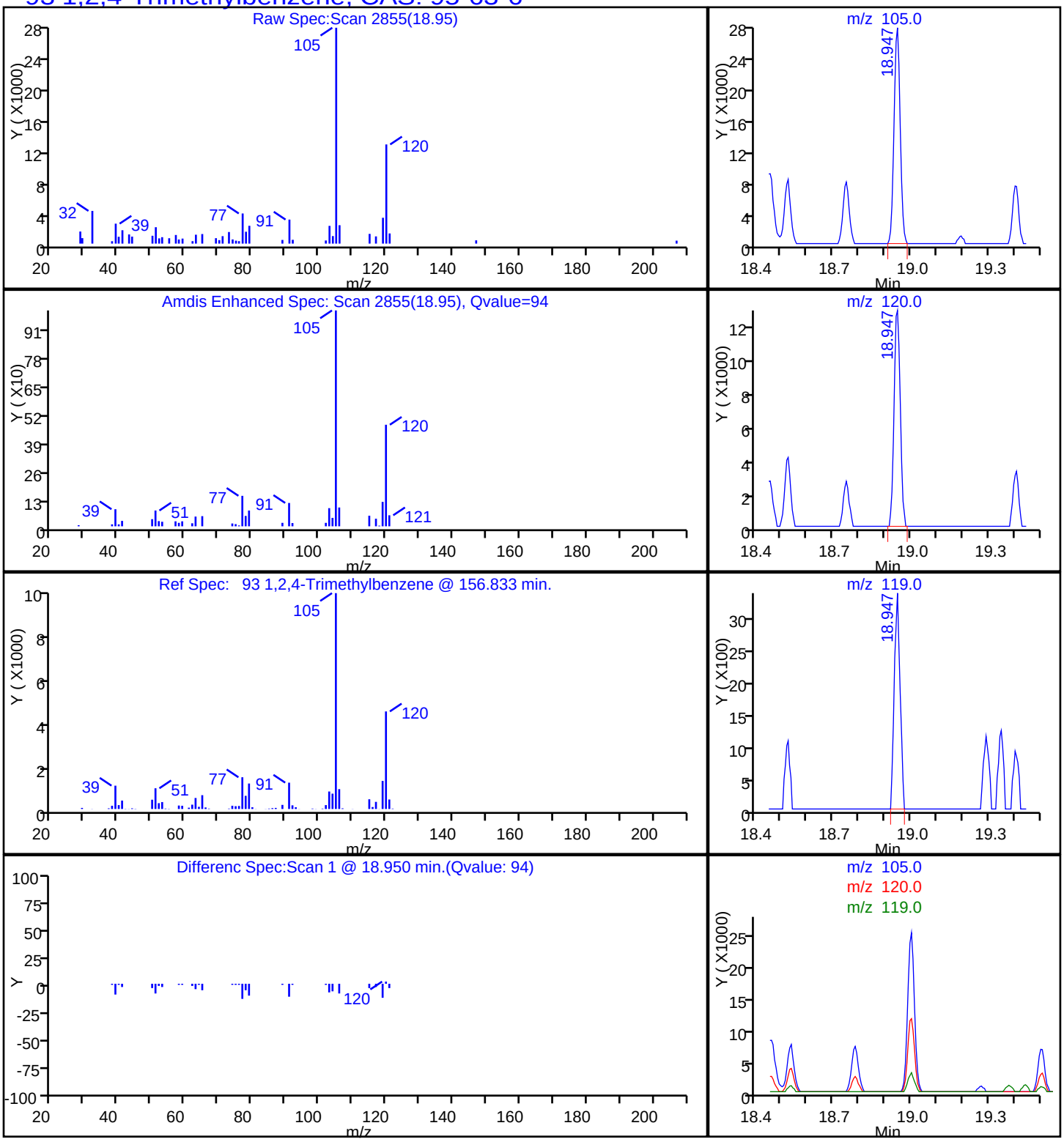
Report Date: 14-Mar-2014 16:59:06 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P114.D

Injection Date:	13-Mar-2014 03:06:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-7	Lab Sample ID:	140-1006-7		
Client ID:	SMSSV9-10				
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV4-15 | Lab Sample ID: 140-1006-8

Matrix: Air | Lab File ID: JC12P115.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 10:25

Sample wt/vol: 25(mL) | Date Analyzed: 03/13/2014 04:00

Soil Aliquot Vol: | Dilution Factor: 1.25

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	6.7		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		2.0	
100-41-4	Ethylbenzene	106.17	11		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		10	
75-09-2	Methylene Chloride	84.93	ND		5.0	
179601-23-1	m-Xylene & p-Xylene	106.17	29		2.0	
95-47-6	o-Xylene	106.17	11		2.0	
100-42-5	Styrene	104.15	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
127-18-4	Tetrachloroethene	165.83	ND		2.0	
108-88-3	Toluene	92.14	30		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		10	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
79-01-6	Trichloroethene	131.39	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV4-15 Lab Sample ID: 140-1006-8

Matrix: Air Lab File ID: JC12P115.D

Analysis Method: TO-15 Date Collected: 03/06/2014 10:25

Sample wt/vol: 25(mL) Date Analyzed: 03/13/2014 04:00

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	11		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.7		2.0	
75-01-4	Vinyl chloride	62.50	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV4-15 | Lab Sample ID: 140-1006-8

Matrix: Air | Lab File ID: JC12P115.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 10:25

Sample wt/vol: 25(mL) | Date Analyzed: 03/13/2014 04:00

Soil Aliquot Vol: | Dilution Factor: 1.25

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	21		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		13	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.9	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		7.9	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		14	
100-41-4	Ethylbenzene	106.17	48		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		110	
75-09-2	Methylene Chloride	84.93	ND		17	
179601-23-1	m-Xylene & p-Xylene	106.17	130		8.7	
95-47-6	o-Xylene	106.17	47		8.7	
100-42-5	Styrene	104.15	ND		8.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
127-18-4	Tetrachloroethene	165.83	ND		14	
108-88-3	Toluene	92.14	110		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		9.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		74	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
79-01-6	Trichloroethene	131.39	ND		11	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV4-15 Lab Sample ID: 140-1006-8

Matrix: Air Lab File ID: JC12P115.D

Analysis Method: TO-15 Date Collected: 03/06/2014 10:25

Sample wt/vol: 25(mL) Date Analyzed: 03/13/2014 04:00

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		15	
95-63-6	1,2,4-Trimethylbenzene	120.20	56		9.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	14		9.8	
75-01-4	Vinyl chloride	62.50	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D				
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8		
Client ID:	SMSSV4-15				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 04:00:30	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500		
Sample Info:	140-1006-a-8@1.25				
Misc. Info.:	J031214,TO15,,140-0000517-020				
Operator ID:	7126	Instrument ID:	MJ		
Method:	\\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Mar-2014 16:58:32	Calib Date:	11-Mar-2014 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK021				
First Level Reviewer: tajh		Date:	13-Mar-2014 09:55:17		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.388	9.396	-0.008	90	345656	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.548	-0.003	94	1681051	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.203	16.212	-0.009	87	1399856	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	91	976485	3.94	
48 Benzene	78	11.028	11.037	-0.009	95	77412	0.2684	
65 Toluene	91	14.256	14.264	-0.008	94	316415	1.22	
76 Ethylbenzene	91	16.532	16.540	-0.008	98	127639	0.4450	
78 m-Xylene & p-Xylene	91	16.688	16.696	-0.008	99	270776	1.17	
82 o-Xylene	91	17.215	17.223	-0.008	97	101540	0.4328	
89 1,3,5-Trimethylbenzene	120	18.522	18.525	-0.003	89	17233	0.1099	
93 1,2,4-Trimethylbenzene	105	18.947	18.950	-0.003	97	123405	0.4539	

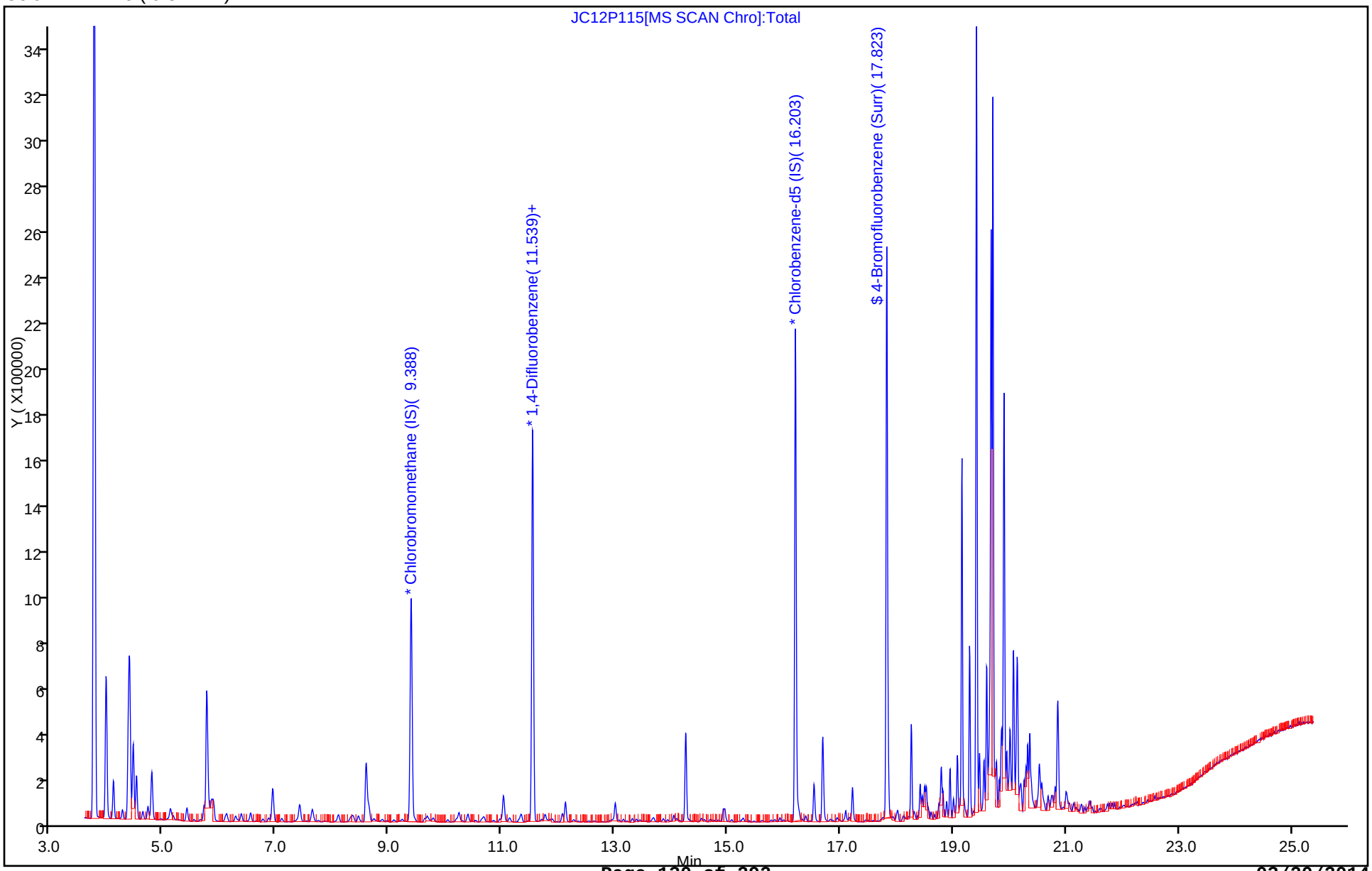
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8	Worklist Smp#:	20
Client ID:	SMSSV4-15				
Purge Vol:	500.000 mL	Dil. Factor:	1.2500	ALS Bottle#:	15
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



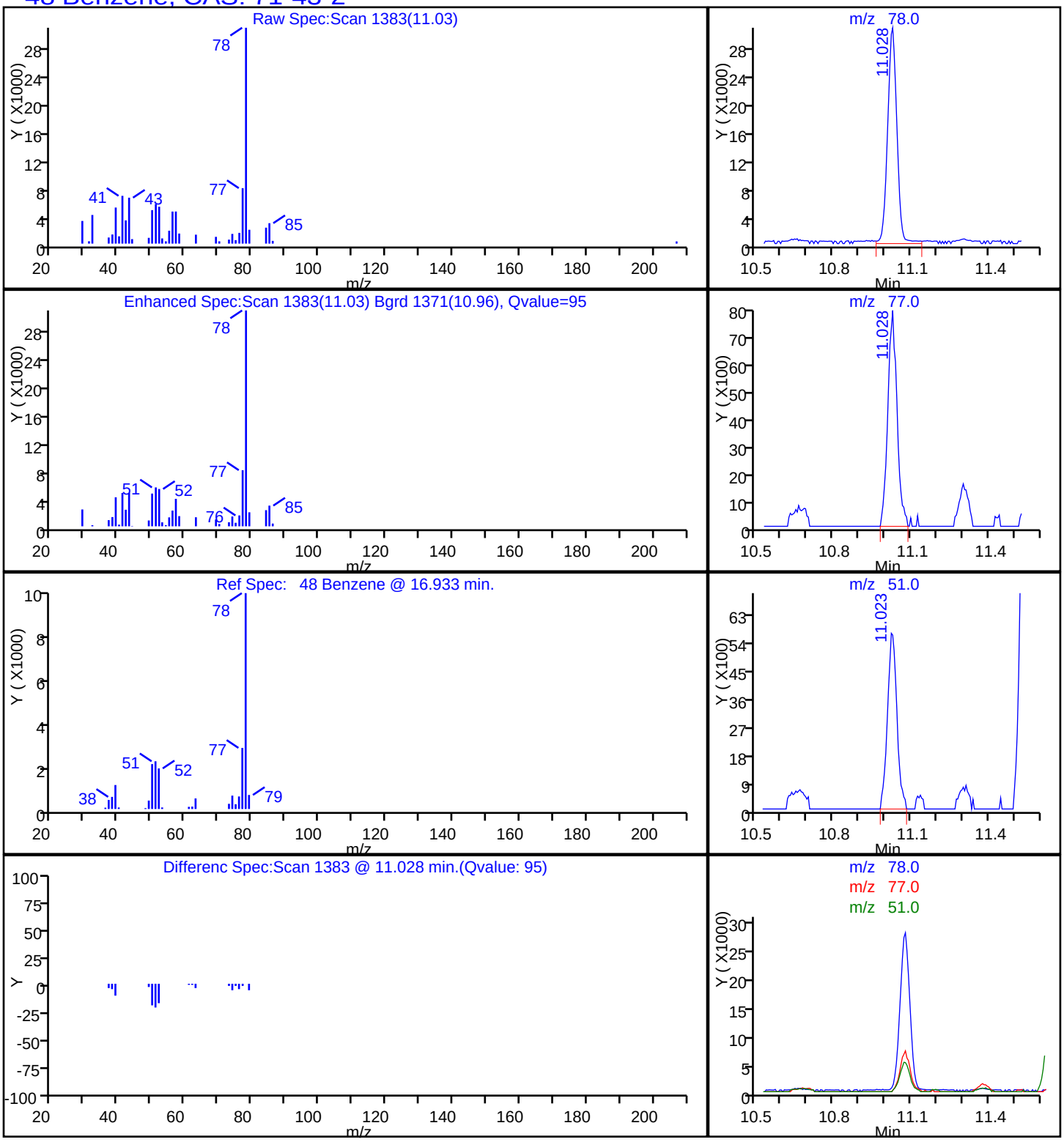
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8
Client ID:	SMSSV4-15		
Operator ID:	7126	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

48 Benzene, CAS: 71-43-2



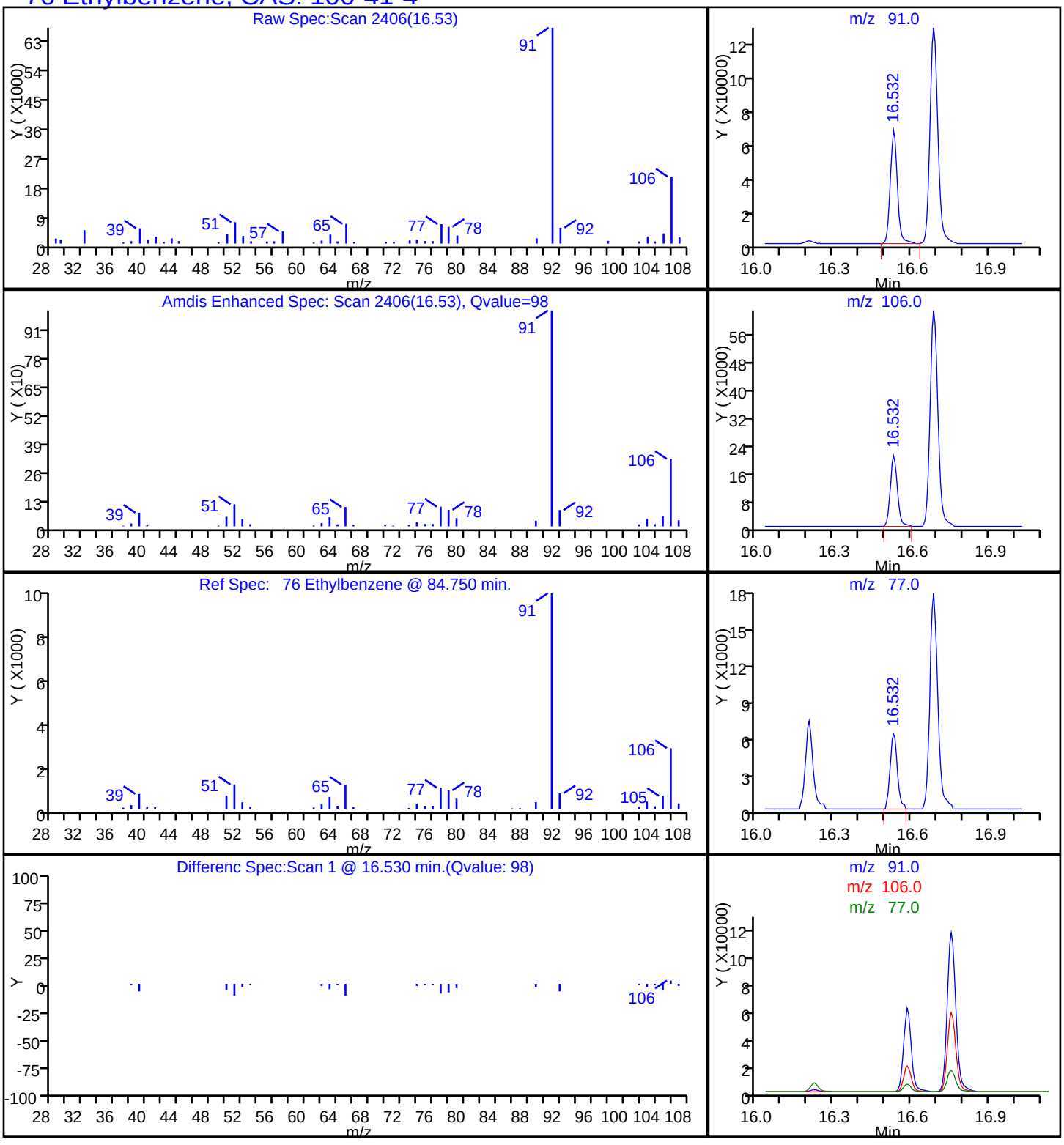
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8
Client ID:	SMSSV4-15		
Operator ID:	7126	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



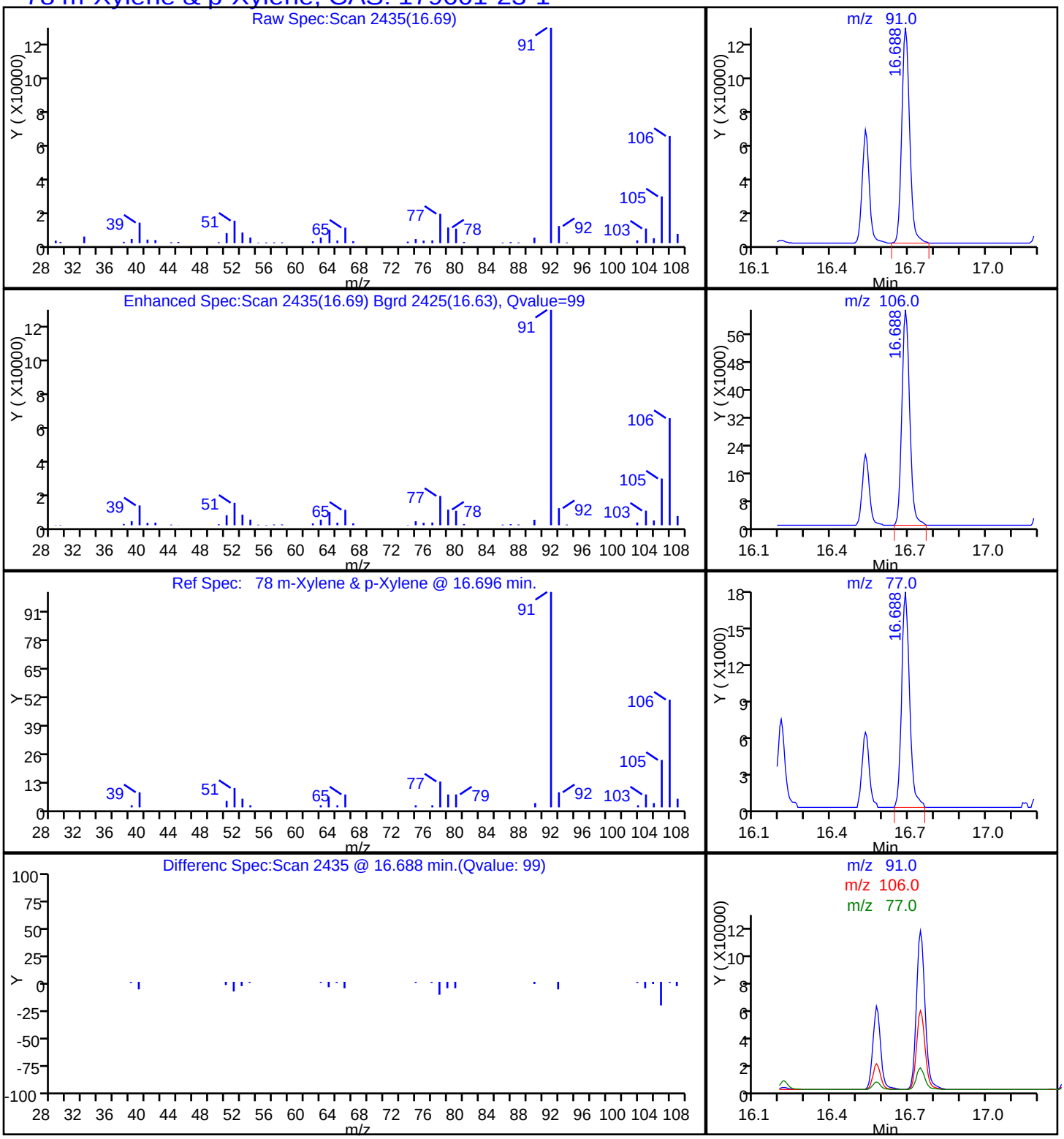
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8		
Client ID:	SMSSV4-15				
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



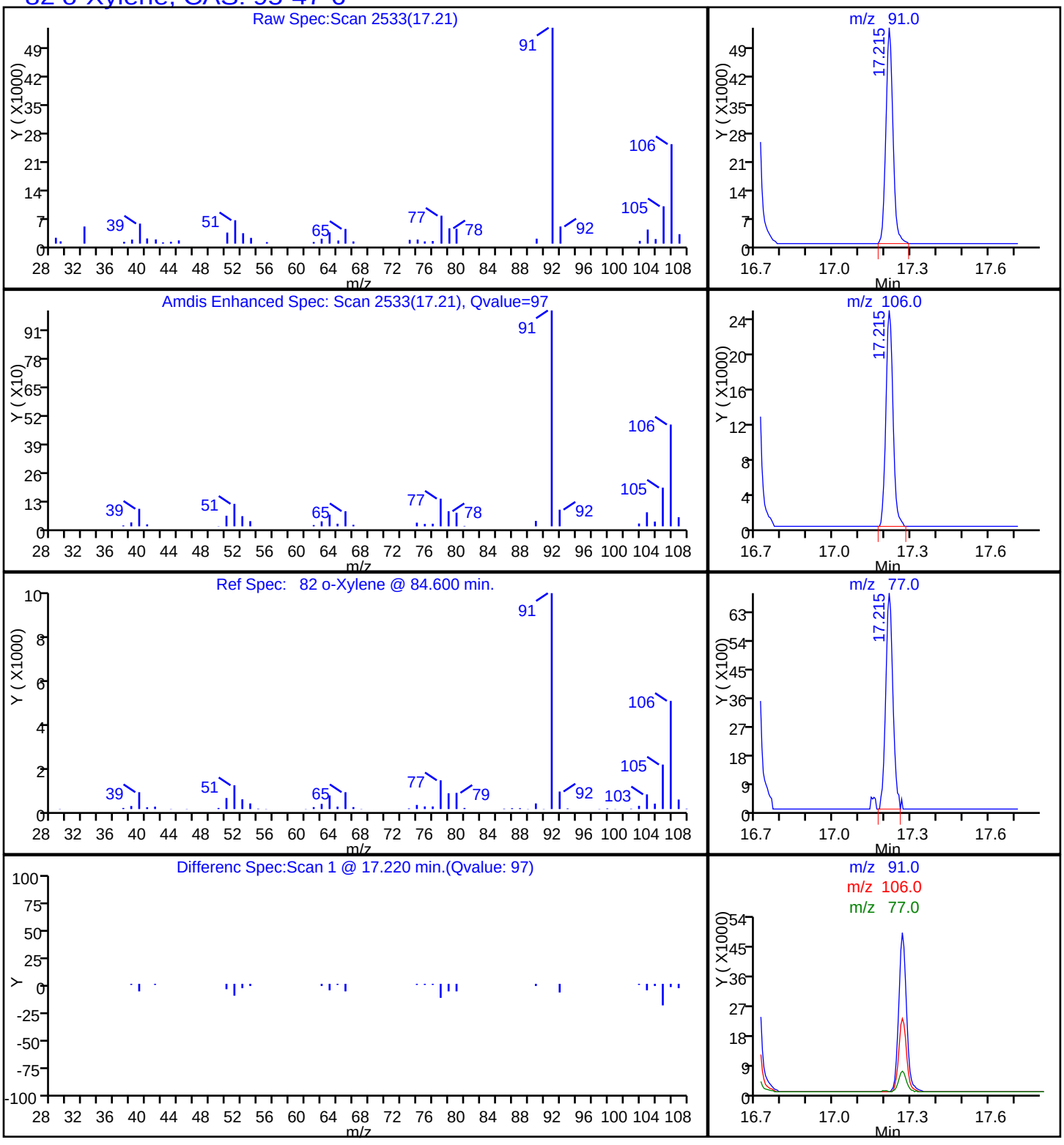
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8		
Client ID:	SMSSV4-15				
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

82 o-Xylene, CAS: 95-47-6



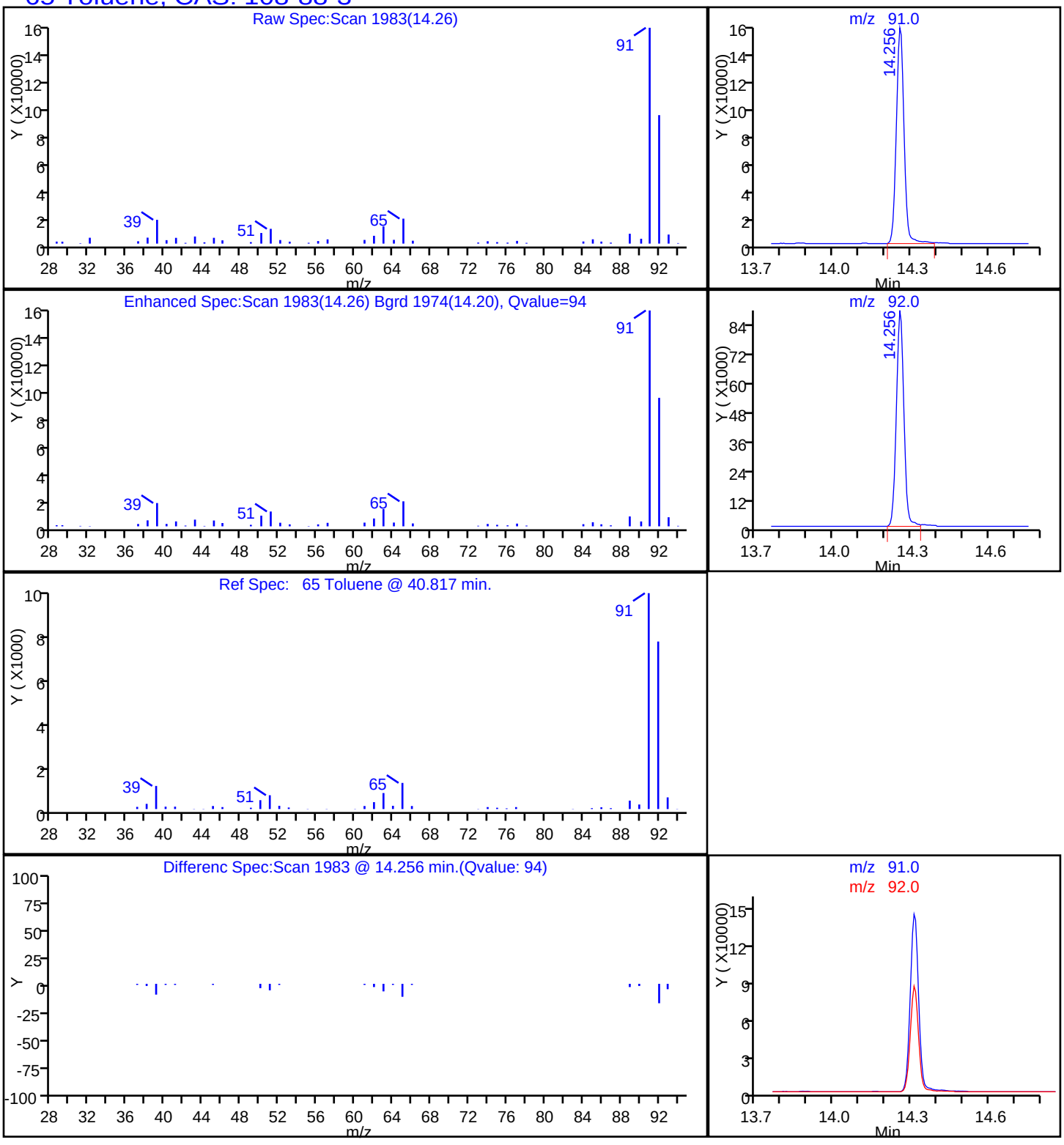
Report Date: 14-Mar-2014 16:59:07 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

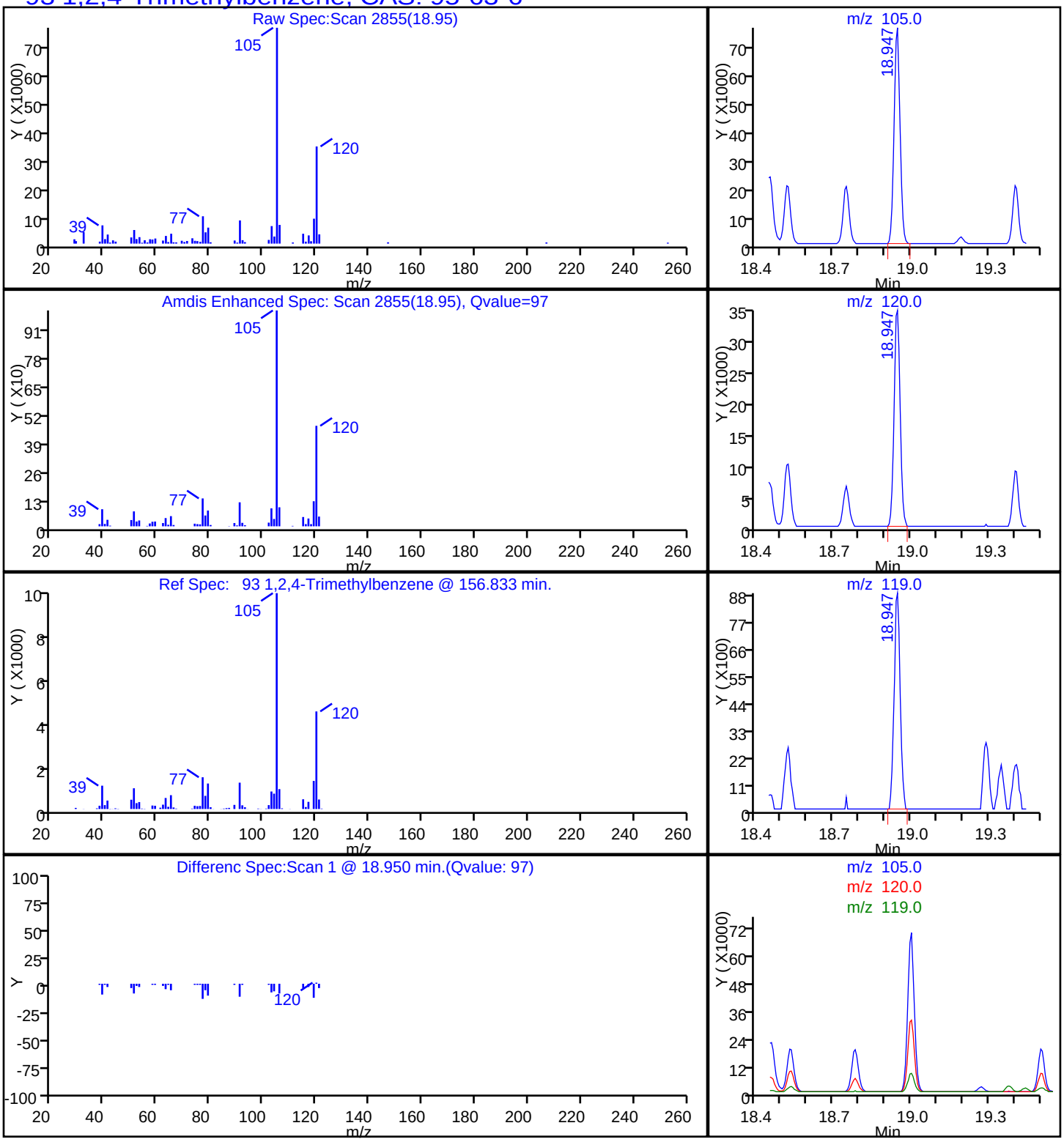
Injection Date:	13-Mar-2014 04:00:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-8	Lab Sample ID:	140-1006-8		
Client ID:	SMSSV4-15				
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.2500		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D
Injection Date: 13-Mar-2014 04:00:30 Instrument ID: MJ
Lims ID: 140-1006-A-8 Lab Sample ID: 140-1006-8
Client ID: SMSSV4-15
Operator ID: 7126 ALS Bottle#: 15 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.2500
Method: MJ_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



Report Date: 14-Mar-2014 16:59:08 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P115.D

Injection Date: 13-Mar-2014 04:00:30 Instrument ID: MJ

Lims ID: 140-1006-A-8 Lab Sample ID: 140-1006-8

Client ID: SMSSV4-15

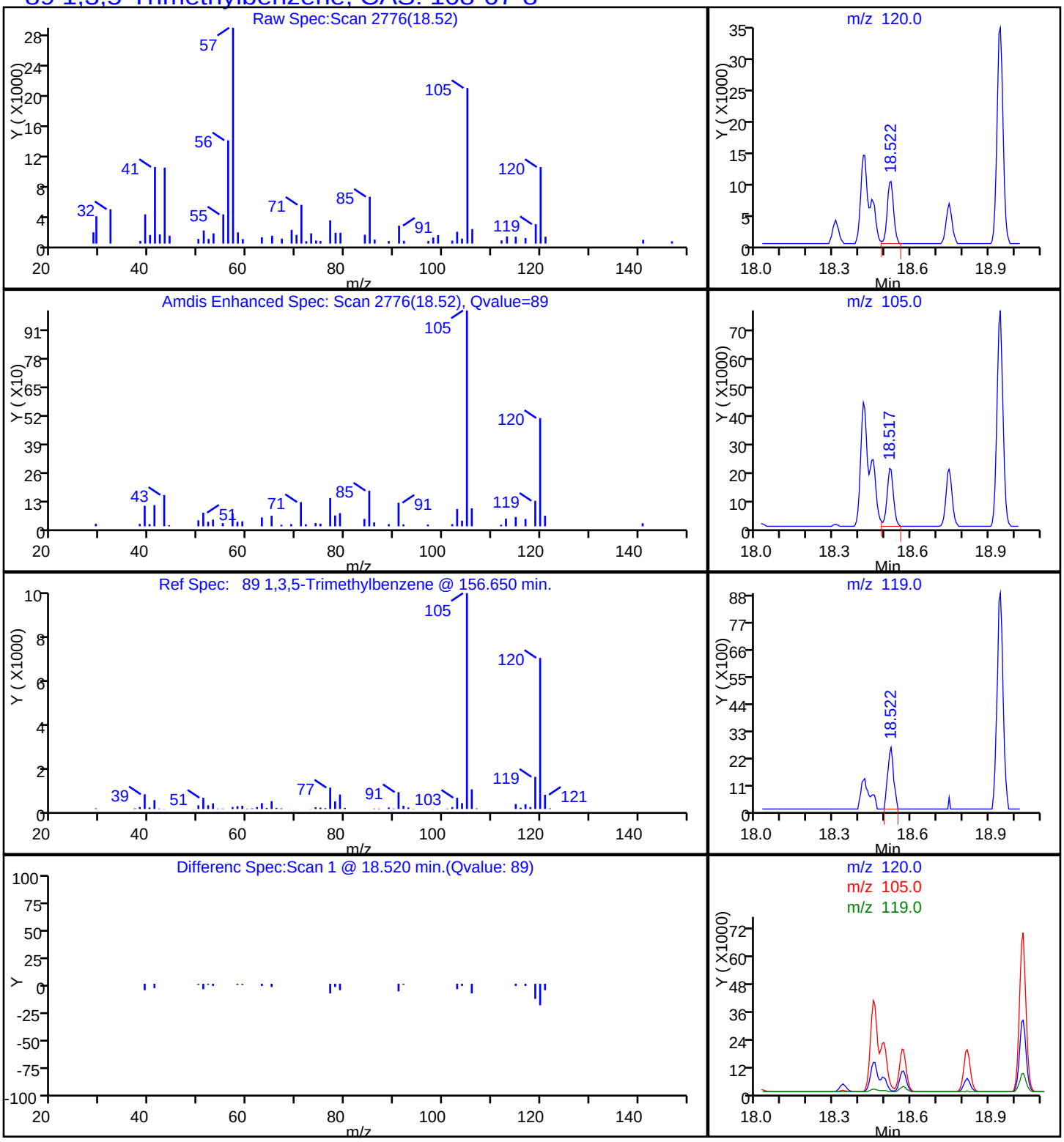
Operator ID: 7126 ALS Bottle#: 15 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 1.2500

Method: MJ_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

89 1,3,5-Trimethylbenzene, CAS: 108-67-8



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV6-5 | Lab Sample ID: 140-1006-9

Matrix: Air | Lab File ID: JC12P201.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 10:50

Sample wt/vol: 22(mL) | Date Analyzed: 03/13/2014 04:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		1.8	
100-44-7	Benzyl chloride	126.58	ND		3.6	
74-83-9	Bromomethane	94.94	ND		1.8	
56-23-5	Carbon tetrachloride	153.81	ND		1.8	
108-90-7	Chlorobenzene	112.56	ND		1.8	
75-00-3	Chloroethane	64.52	ND		1.8	
67-66-3	Chloroform	119.38	ND		1.8	
74-87-3	Chloromethane	50.49	ND		4.5	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		1.8	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.8	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		1.8	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.8	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.8	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.8	
75-71-8	Dichlorodifluoromethane	120.91	ND		1.8	
75-34-3	1,1-Dichloroethane	98.96	ND		1.8	
107-06-2	1,2-Dichloroethane	98.96	ND		1.8	
75-35-4	1,1-Dichloroethene	96.94	ND		1.8	
78-87-5	1,2-Dichloropropane	112.99	ND		1.8	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		1.8	
100-41-4	Ethylbenzene	106.17	ND		1.8	
87-68-3	Hexachlorobutadiene	260.76	ND		9.1	
75-09-2	Methylene Chloride	84.93	ND		4.5	
179601-23-1	m-Xylene & p-Xylene	106.17	5.7		1.8	
95-47-6	o-Xylene	106.17	2.4		1.8	
100-42-5	Styrene	104.15	ND		1.8	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.8	
127-18-4	Tetrachloroethene	165.83	ND		1.8	
108-88-3	Toluene	92.14	2.9		1.8	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.8	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		9.1	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.8	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.8	
79-01-6	Trichloroethene	131.39	ND		1.8	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV6-5 | Lab Sample ID: 140-1006-9

Matrix: Air | Lab File ID: JC12P201.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 10:50

Sample wt/vol: 22(mL) | Date Analyzed: 03/13/2014 04:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		1.8	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		1.8	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.6		1.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.8	
75-01-4	Vinyl chloride	62.50	ND		1.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV6-5 | Lab Sample ID: 140-1006-9

Matrix: Air | Lab File ID: JC12P201.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 10:50

Sample wt/vol: 22(mL) | Date Analyzed: 03/13/2014 04:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		5.8	
100-44-7	Benzyl chloride	126.58	ND		19	
74-83-9	Bromomethane	94.94	ND		7.1	
56-23-5	Carbon tetrachloride	153.81	ND		11	
108-90-7	Chlorobenzene	112.56	ND		8.4	
75-00-3	Chloroethane	64.52	ND		4.8	
67-66-3	Chloroform	119.38	ND		8.9	
74-87-3	Chloromethane	50.49	ND		9.4	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.2	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		8.3	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		14	
95-50-1	1,2-Dichlorobenzene	147.00	ND		11	
541-73-1	1,3-Dichlorobenzene	147.00	ND		11	
106-46-7	1,4-Dichlorobenzene	147.00	ND		11	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.0	
75-34-3	1,1-Dichloroethane	98.96	ND		7.4	
107-06-2	1,2-Dichloroethane	98.96	ND		7.4	
75-35-4	1,1-Dichloroethene	96.94	ND		7.2	
78-87-5	1,2-Dichloropropane	112.99	ND		8.4	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		13	
100-41-4	Ethylbenzene	106.17	ND		7.9	
87-68-3	Hexachlorobutadiene	260.76	ND		97	
75-09-2	Methylene Chloride	84.93	ND		16	
179601-23-1	m-Xylene & p-Xylene	106.17	25		7.9	
95-47-6	o-Xylene	106.17	10		7.9	
100-42-5	Styrene	104.15	ND		7.7	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		12	
127-18-4	Tetrachloroethene	165.83	ND		12	
108-88-3	Toluene	92.14	11		6.9	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		8.3	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		67	
71-55-6	1,1,1-Trichloroethane	133.41	ND		9.9	
79-00-5	1,1,2-Trichloroethane	133.41	ND		9.9	
79-01-6	Trichloroethene	131.39	ND		9.8	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV6-5 Lab Sample ID: 140-1006-9

Matrix: Air Lab File ID: JC12P201.D

Analysis Method: TO-15 Date Collected: 03/06/2014 10:50

Sample wt/vol: 22(mL) Date Analyzed: 03/13/2014 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		10	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		14	
95-63-6	1,2,4-Trimethylbenzene	120.20	13		8.9	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		8.9	
75-01-4	Vinyl chloride	62.50	ND		4.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D
Lims ID: 140-1006-A-9 Lab Sample ID: 140-1006-9
Client ID: SMSSV6-5
Sample Type: Client
Inject. Date: 13-Mar-2014 04:54:30 ALS Bottle#: 1 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-1006-a-9
Misc. Info.: J031214,TO15,,140-0000517-021
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:55:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.381	9.396	-0.015	91	340496	4.00	
* 2 1,4-Difluorobenzene	114	11.538	11.548	-0.010	94	1660569	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.202	16.212	-0.010	87	1382959	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.822	17.825	-0.003	90	915746	3.74	
31 Methylene Chloride	84	6.756	6.765	-0.009	84	5853	0.0643	
48 Benzene	78	11.022	11.037	-0.015	52	9370	0.0329	
65 Toluene	91	14.255	14.264	-0.009	84	32577	0.1270	
76 Ethylbenzene	91	16.531	16.540	-0.009	73	18945	0.0669	
78 m-Xylene & p-Xylene	91	16.687	16.696	-0.009	98	57832	0.2529	
82 o-Xylene	91	17.214	17.223	-0.009	83	24367	0.1051	
93 1,2,4-Trimethylbenzene	105	18.946	18.950	-0.004	88	31129	0.1159	

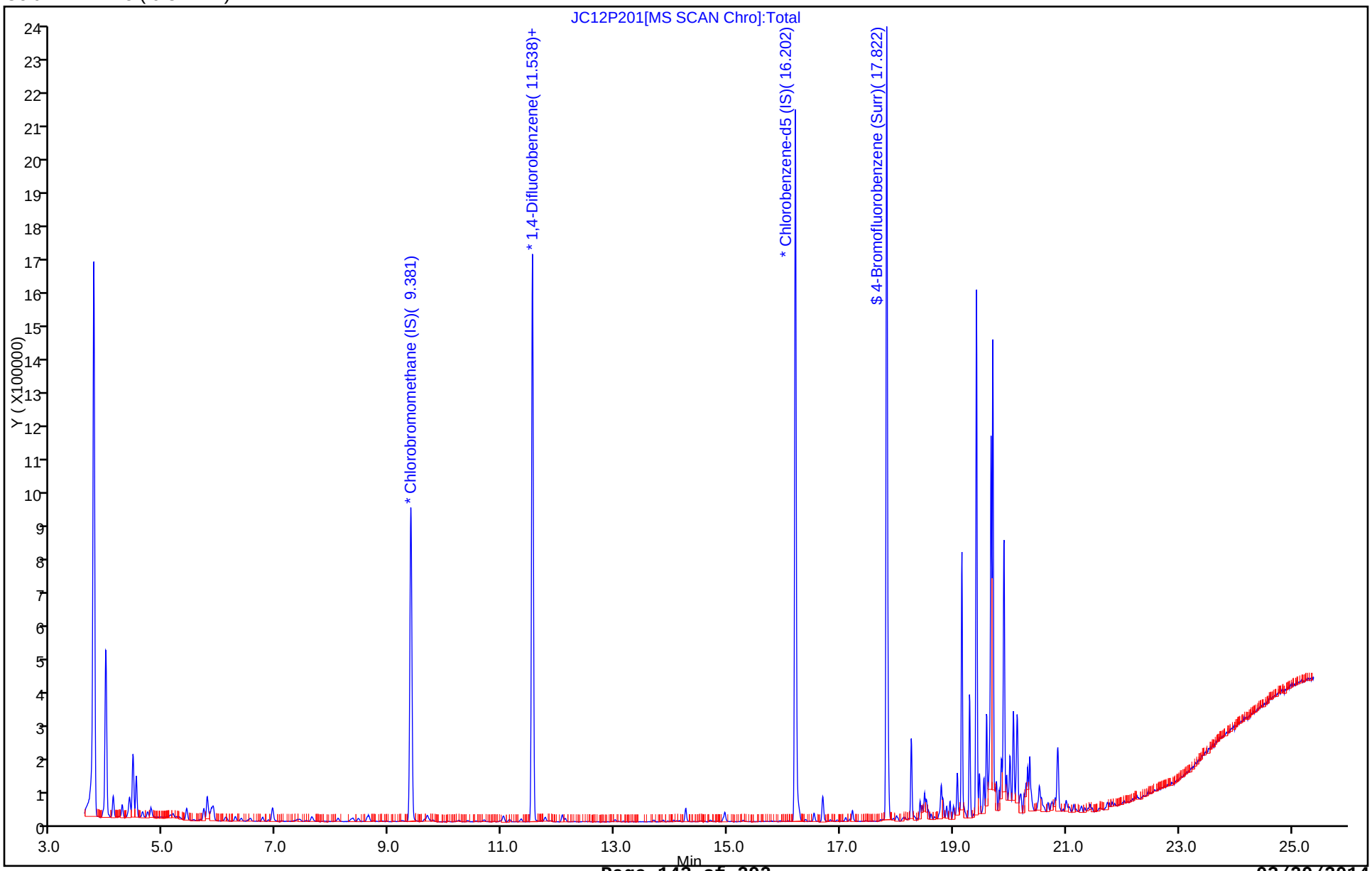
Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D

Injection Date:	13-Mar-2014 04:54:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-9	Lab Sample ID:	140-1006-9	Worklist Smp#:	21
Client ID:	SMSSV6-5				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



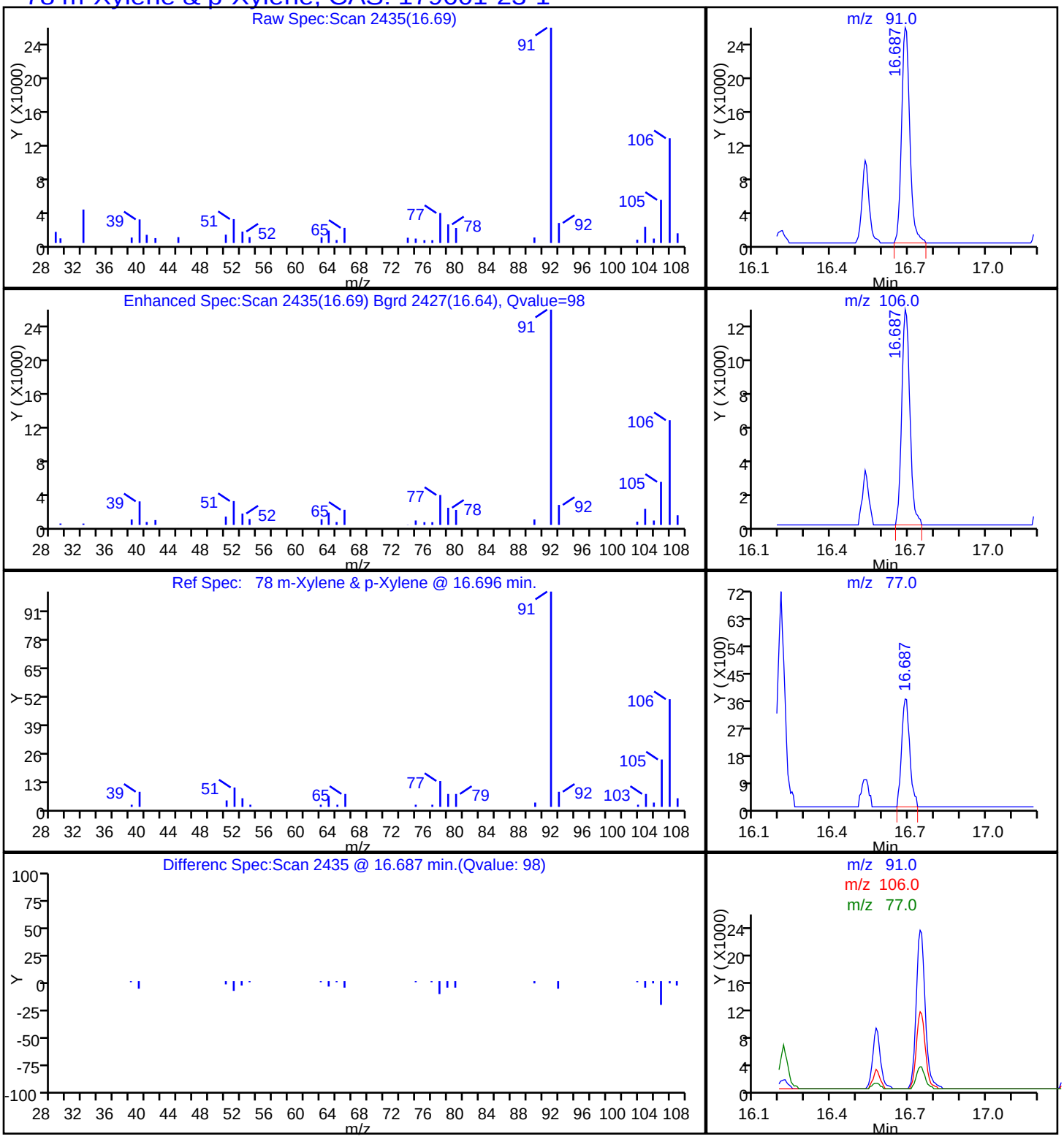
Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D

Injection Date:	13-Mar-2014 04:54:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-9	Lab Sample ID:	140-1006-9		
Client ID:	SMSSV6-5				
Operator ID:	7126	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



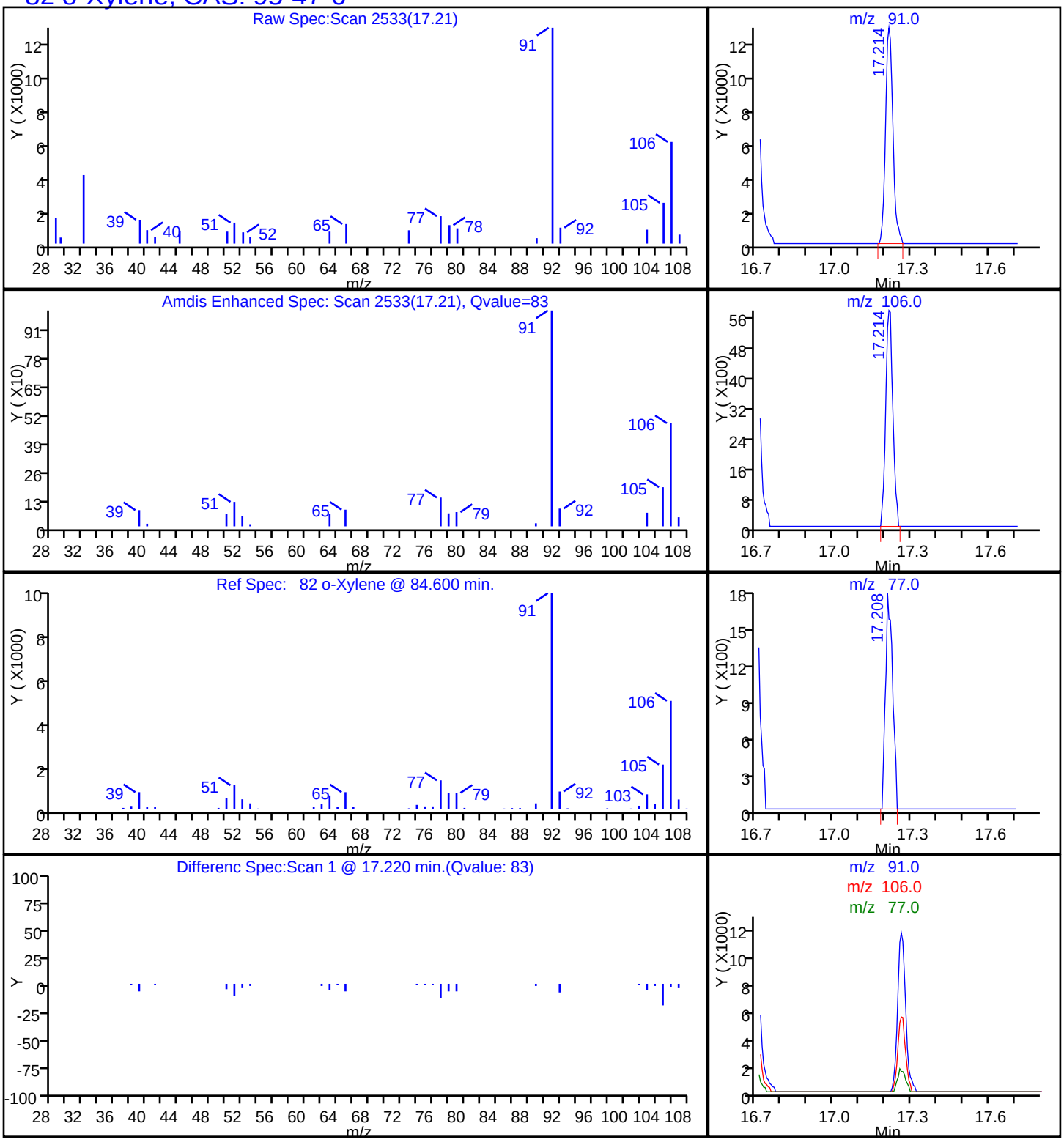
Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D

Injection Date:	13-Mar-2014 04:54:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-9	Lab Sample ID:	140-1006-9		
Client ID:	SMSSV6-5				
Operator ID:	7126	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

82 o-Xylene, CAS: 95-47-6



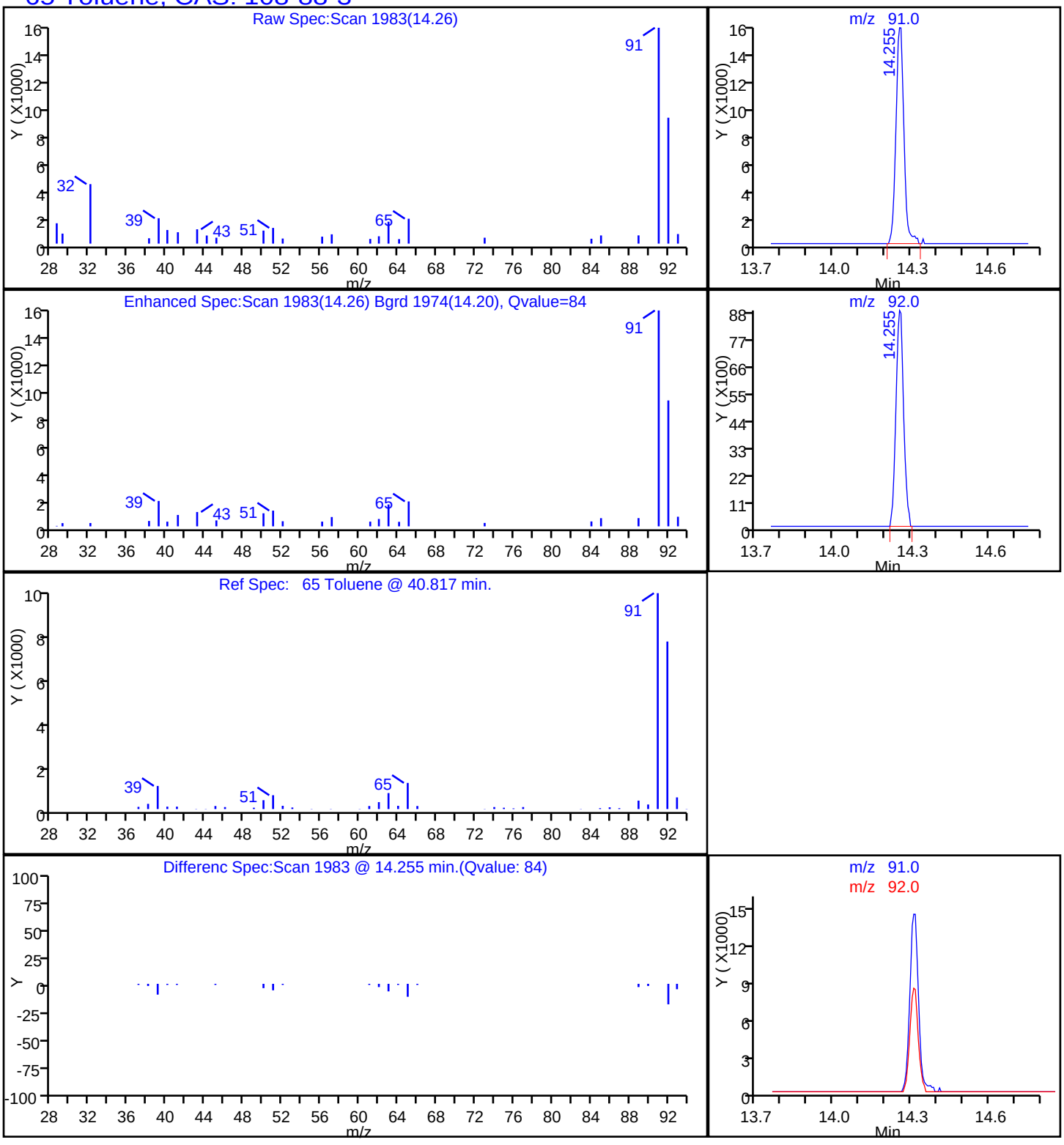
Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D

Injection Date:	13-Mar-2014 04:54:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-9	Lab Sample ID:	140-1006-9		
Client ID:	SMSSV6-5				
Operator ID:	7126	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



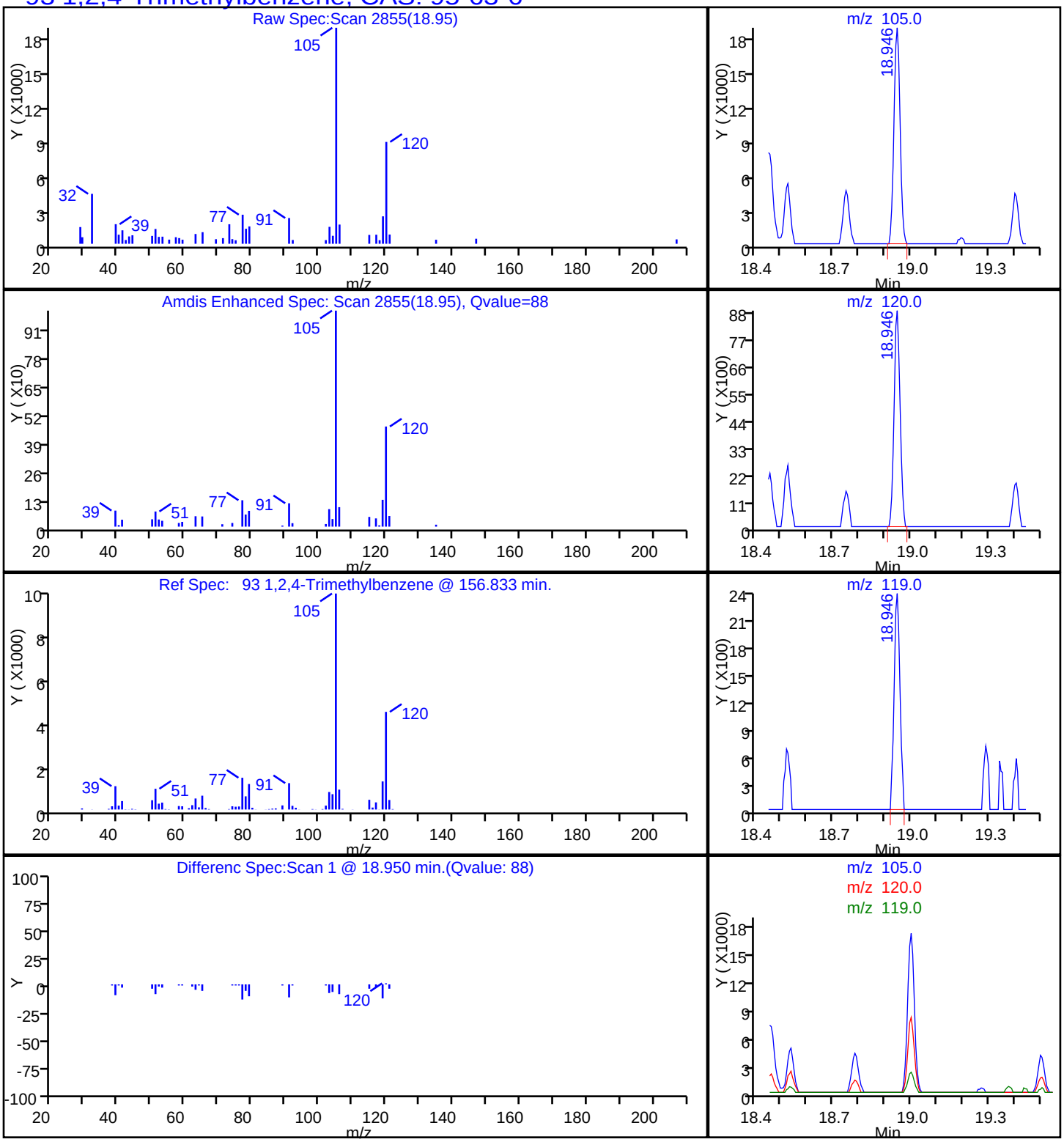
Report Date: 14-Mar-2014 16:59:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P201.D

Injection Date:	13-Mar-2014 04:54:30	Instrument ID:	MJ
Lims ID:	140-1006-A-9	Lab Sample ID:	140-1006-9
Client ID:	SMSSV6-5		
Operator ID:	7126	ALS Bottle#:	1 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV7-3 | Lab Sample ID: 140-1006-10

Matrix: Air | Lab File ID: JC12P202.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 11:25

Sample wt/vol: 11(mL) | Date Analyzed: 03/13/2014 05:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		3.6	
100-44-7	Benzyl chloride	126.58	ND		7.3	
74-83-9	Bromomethane	94.94	ND		3.6	
56-23-5	Carbon tetrachloride	153.81	ND		3.6	
108-90-7	Chlorobenzene	112.56	ND		3.6	
75-00-3	Chloroethane	64.52	ND		3.6	
67-66-3	Chloroform	119.38	ND		3.6	
74-87-3	Chloromethane	50.49	ND		9.1	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		3.6	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		3.6	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		3.6	
95-50-1	1,2-Dichlorobenzene	147.00	ND		3.6	
541-73-1	1,3-Dichlorobenzene	147.00	ND		3.6	
106-46-7	1,4-Dichlorobenzene	147.00	ND		3.6	
75-71-8	Dichlorodifluoromethane	120.91	ND		3.6	
75-34-3	1,1-Dichloroethane	98.96	ND		3.6	
107-06-2	1,2-Dichloroethane	98.96	ND		3.6	
75-35-4	1,1-Dichloroethene	96.94	ND		3.6	
78-87-5	1,2-Dichloropropane	112.99	ND		3.6	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		3.6	
100-41-4	Ethylbenzene	106.17	ND		3.6	
87-68-3	Hexachlorobutadiene	260.76	ND		18	
75-09-2	Methylene Chloride	84.93	ND		9.1	
179601-23-1	m-Xylene & p-Xylene	106.17	5.3		3.6	
95-47-6	o-Xylene	106.17	ND		3.6	
100-42-5	Styrene	104.15	ND		3.6	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		3.6	
127-18-4	Tetrachloroethene	165.83	ND		3.6	
108-88-3	Toluene	92.14	3.7		3.6	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		3.6	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		18	
71-55-6	1,1,1-Trichloroethane	133.41	ND		3.6	
79-00-5	1,1,2-Trichloroethane	133.41	ND		3.6	
79-01-6	Trichloroethene	131.39	ND		3.6	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV7-3 | Lab Sample ID: 140-1006-10

Matrix: Air | Lab File ID: JC12P202.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 11:25

Sample wt/vol: 11(mL) | Date Analyzed: 03/13/2014 05:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		3.6	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		3.6	
95-63-6	1,2,4-Trimethylbenzene	120.20	4.5		3.6	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		3.6	
75-01-4	Vinyl chloride	62.50	ND		3.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV7-3 Lab Sample ID: 140-1006-10

Matrix: Air Lab File ID: JC12P202.D

Analysis Method: TO-15 Date Collected: 03/06/2014 11:25

Sample wt/vol: 11(mL) Date Analyzed: 03/13/2014 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		12	
100-44-7	Benzyl chloride	126.58	ND		38	
74-83-9	Bromomethane	94.94	ND		14	
56-23-5	Carbon tetrachloride	153.81	ND		23	
108-90-7	Chlorobenzene	112.56	ND		17	
75-00-3	Chloroethane	64.52	ND		9.6	
67-66-3	Chloroform	119.38	ND		18	
74-87-3	Chloromethane	50.49	ND		19	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		14	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		17	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		28	
95-50-1	1,2-Dichlorobenzene	147.00	ND		22	
541-73-1	1,3-Dichlorobenzene	147.00	ND		22	
106-46-7	1,4-Dichlorobenzene	147.00	ND		22	
75-71-8	Dichlorodifluoromethane	120.91	ND		18	
75-34-3	1,1-Dichloroethane	98.96	ND		15	
107-06-2	1,2-Dichloroethane	98.96	ND		15	
75-35-4	1,1-Dichloroethene	96.94	ND		14	
78-87-5	1,2-Dichloropropane	112.99	ND		17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		25	
100-41-4	Ethylbenzene	106.17	ND		16	
87-68-3	Hexachlorobutadiene	260.76	ND		190	
75-09-2	Methylene Chloride	84.93	ND		32	
179601-23-1	m-Xylene & p-Xylene	106.17	23		16	
95-47-6	o-Xylene	106.17	ND		16	
100-42-5	Styrene	104.15	ND		15	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		25	
127-18-4	Tetrachloroethene	165.83	ND		25	
108-88-3	Toluene	92.14	14		14	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		17	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		130	
71-55-6	1,1,1-Trichloroethane	133.41	ND		20	
79-00-5	1,1,2-Trichloroethane	133.41	ND		20	
79-01-6	Trichloroethene	131.39	ND		20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: SMSSV7-3 | Lab Sample ID: 140-1006-10

Matrix: Air | Lab File ID: JC12P202.D

Analysis Method: TO-15 | Date Collected: 03/06/2014 11:25

Sample wt/vol: 11(mL) | Date Analyzed: 03/13/2014 05:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		28	
95-63-6	1,2,4-Trimethylbenzene	120.20	22		18	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		18	
75-01-4	Vinyl chloride	62.50	ND		9.3	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Report Date: 14-Mar-2014 16:59:10 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D
Lims ID: 140-1006-A-10 Lab Sample ID: 140-1006-10
Client ID: SMSSV7-3
Sample Type: Client
Inject. Date: 13-Mar-2014 05:48:30 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-1006-a-10
Misc. Info.: J031214,TO15,,140-0000517-022
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 13-Mar-2014 09:56:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.385	9.396	-0.011	91	337247	4.00	
* 2 1,4-Difluorobenzene	114	11.542	11.548	-0.006	93	1650147	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.201	16.212	-0.011	87	1412693	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	91	943331	3.78	
9 Chloromethane	52	4.237	4.232	0.005	39	2852	0.0752	M
31 Methylene Chloride	84	6.760	6.765	-0.005	81	5998	0.0665	
48 Benzene	78	11.026	11.037	-0.011	18	8981	0.0317	
65 Toluene	91	14.259	14.264	-0.005	78	21473	0.0819	
78 m-Xylene & p-Xylene	91	16.690	16.696	-0.006	93	27363	0.1171	
82 o-Xylene	91	17.212	17.223	-0.011	73	13238	0.0559	
93 1,2,4-Trimethylbenzene	105	18.944	18.950	-0.006	88	27268	0.0994	

QC Flag Legend

Review Flags
M - Manually Integrated

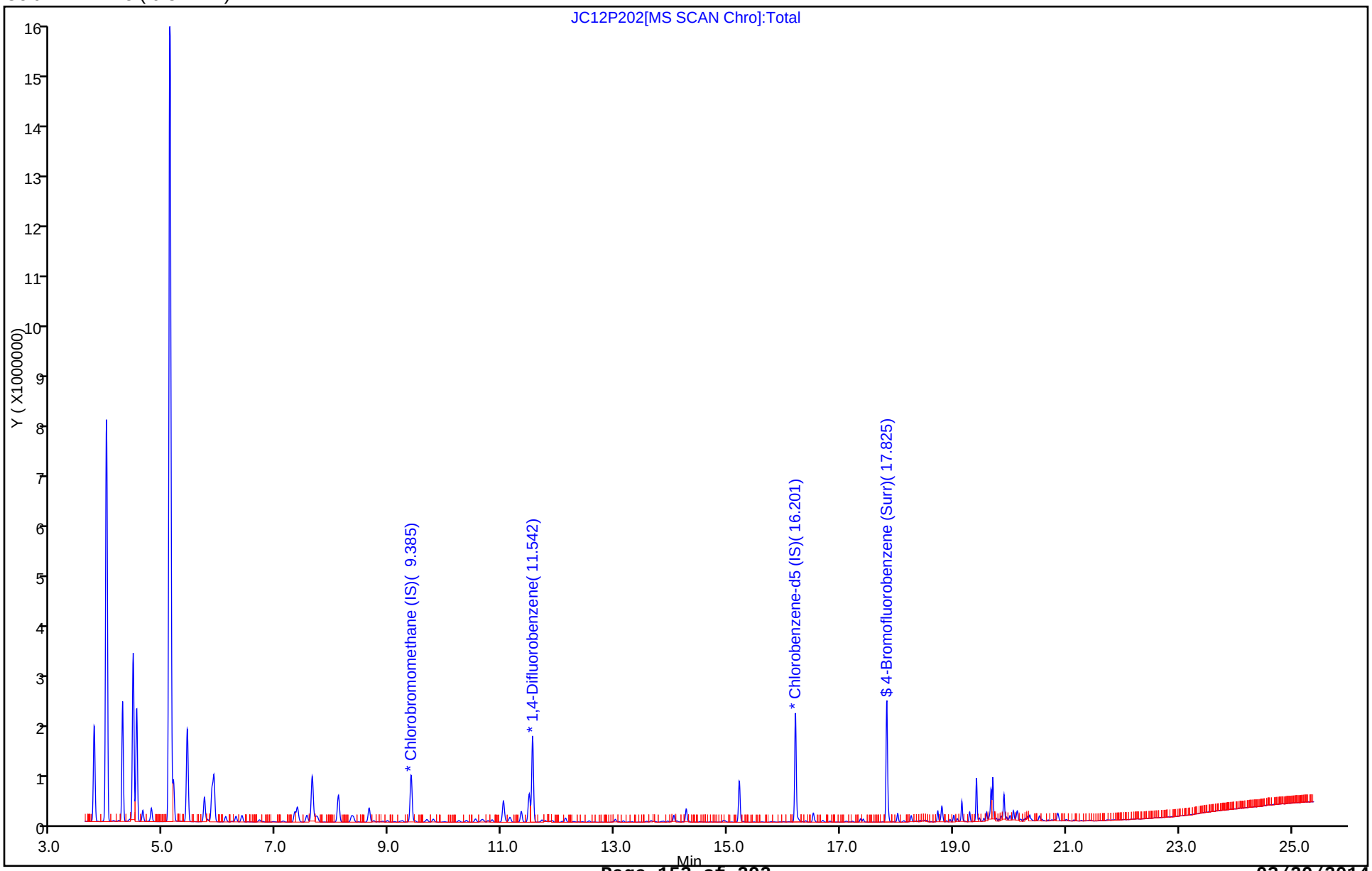
Report Date: 14-Mar-2014 16:59:10 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D

Injection Date:	13-Mar-2014 05:48:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-1006-A-10	Lab Sample ID:	140-1006-10	Worklist Smp#:	22
Client ID:	SMSSV7-3				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



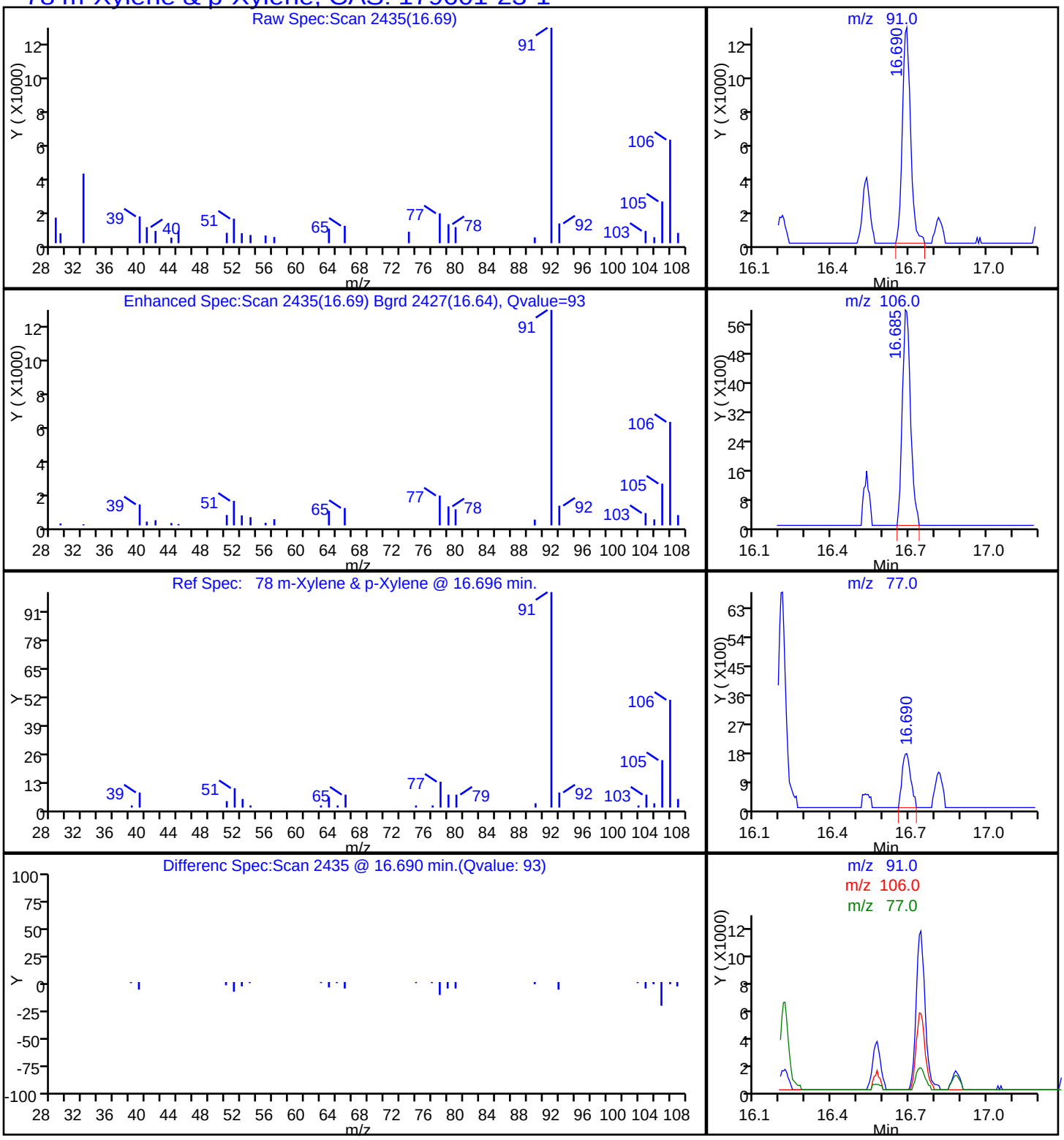
Report Date: 14-Mar-2014 16:59:11 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D

Injection Date:	13-Mar-2014 05:48:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-10	Lab Sample ID:	140-1006-10		
Client ID:	SMSSV7-3				
Operator ID:	7126	ALS Bottle#:	2	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 m-Xylene & p-Xylene, CAS: 179601-23-1



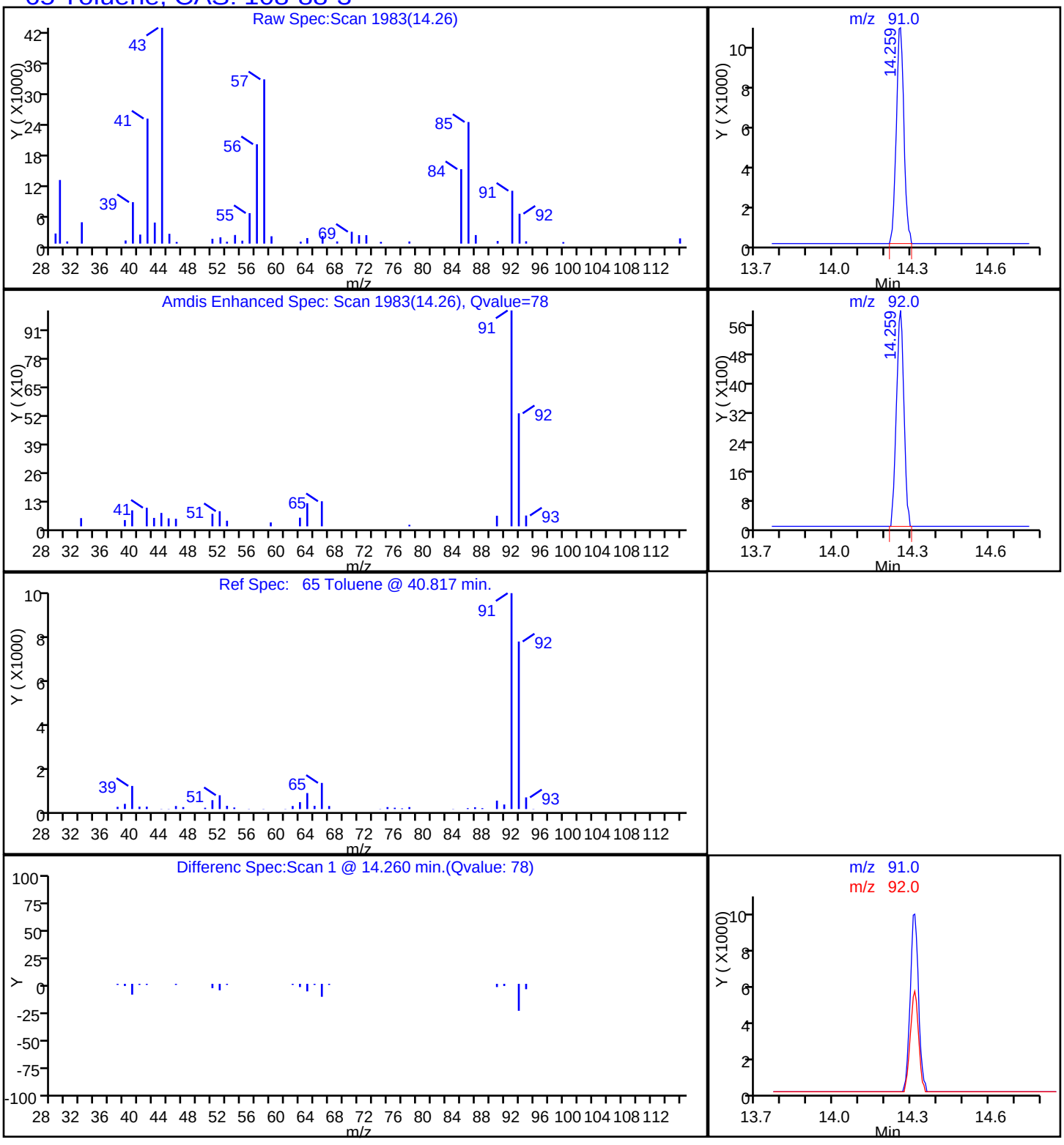
Report Date: 14-Mar-2014 16:59:11 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D

Injection Date:	13-Mar-2014 05:48:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-10	Lab Sample ID:	140-1006-10		
Client ID:	SMSSV7-3				
Operator ID:	7126	ALS Bottle#:	2	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

65 Toluene, CAS: 108-88-3



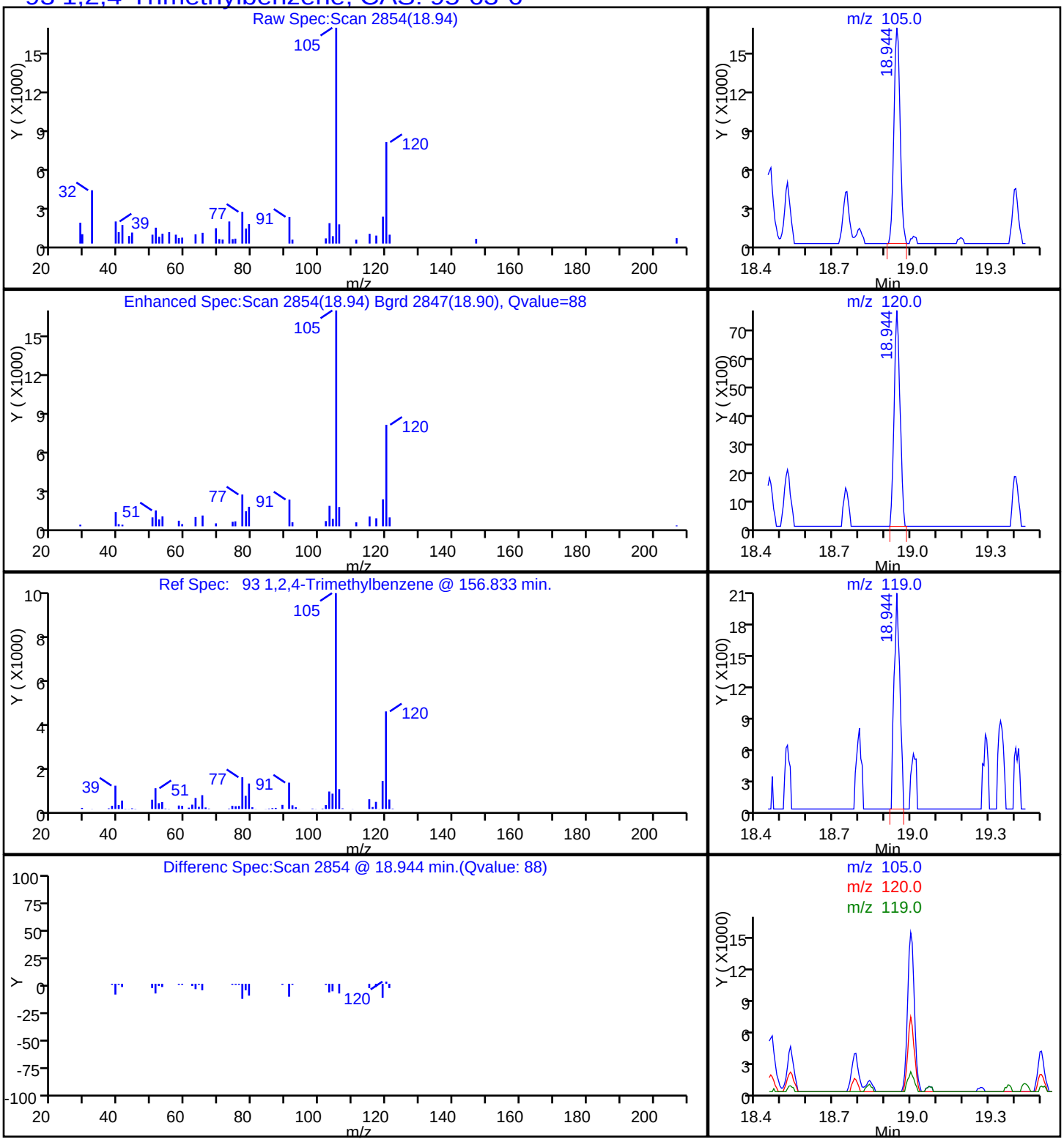
Report Date: 14-Mar-2014 16:59:11 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D

Injection Date:	13-Mar-2014 05:48:30	Instrument ID:	MJ
Lims ID:	140-1006-A-10	Lab Sample ID:	140-1006-10
Client ID:	SMSSV7-3		
Operator ID:	7126	ALS Bottle#:	2 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

93 1,2,4-Trimethylbenzene, CAS: 95-63-6



Manual Integration/User Assign Peak Report

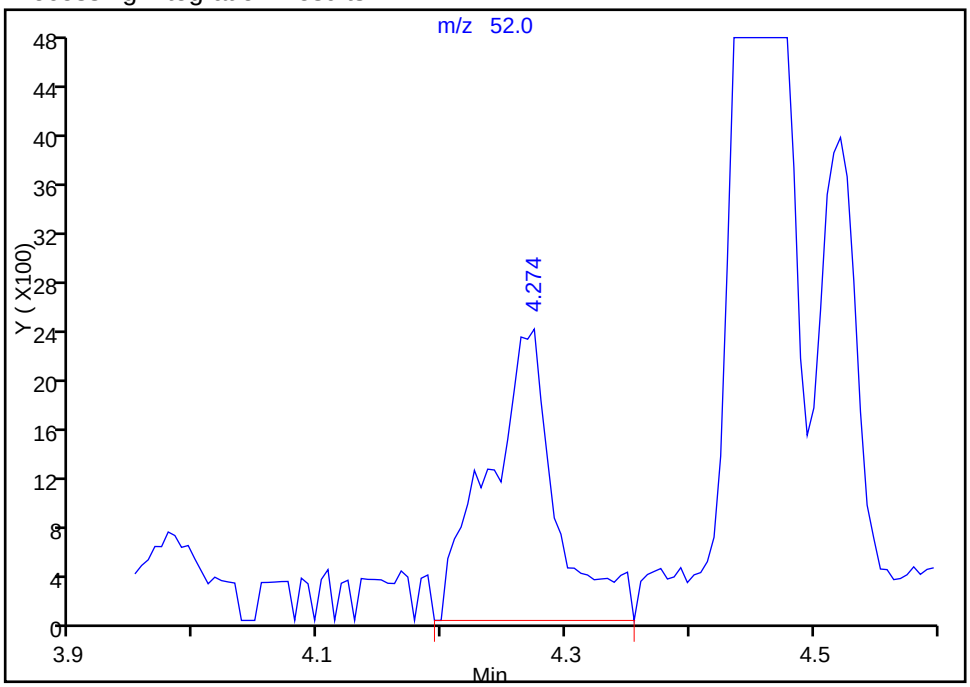
TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JC12P202.D				
Injection Date:	13-Mar-2014 05:48:30	Instrument ID:	MJ		
Lims ID:	140-1006-A-10	Lab Sample ID:	140-1006-10		
Client ID:	SMSSV7-3				
Operator ID:	7126	ALS Bottle#:	2	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

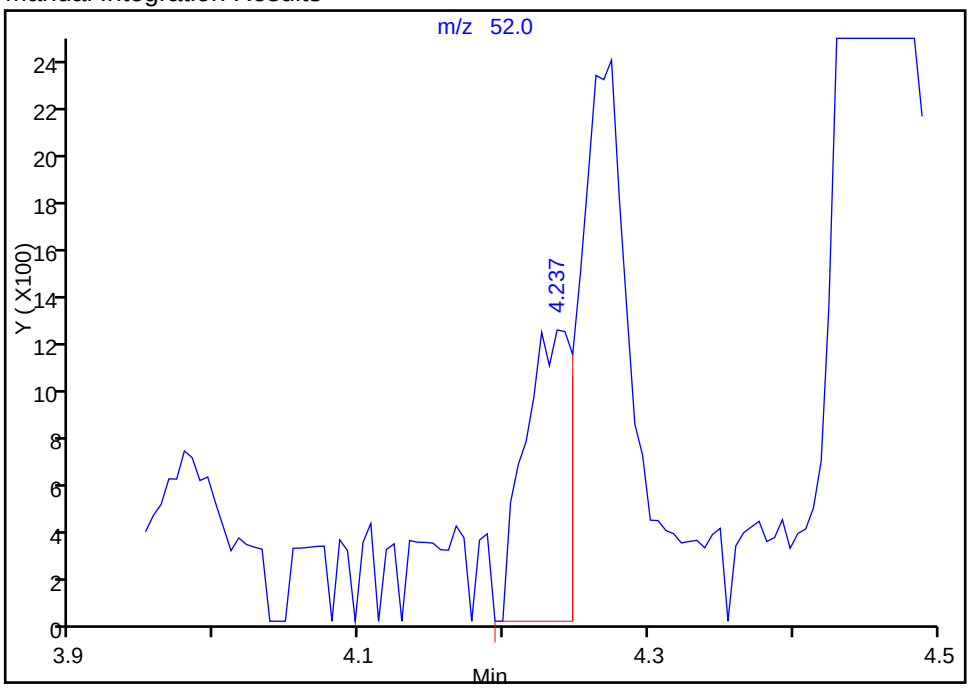
Processing Integration Results

RT: 4.27
Response: 8919
Amount: 0.235032



Manual Integration Results

RT: 4.24
Response: 2852
Amount: 0.075155



Reviewer: tajh, 13-Mar-2014 09:56:12
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-946/2	JICC111.D
Level 2	IC 140-946/3	JICC112.D
Level 3	IC 140-946/4	JICC113.D
Level 4	IC 140-946/5	JICC114.D
Level 5	IC 140-946/6	JICC115.D
Level 6	ICIS 140-946/7	JICC116.D
Level 7	IC 140-946/8	JICC117.D
Level 8	IC 140-946/9	JICC118.D
Level 9	IC 140-946/10	JICC119.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Chlorodifluoromethane	+++++ 0.3753	0.4978 0.3659	0.5073 0.4196	0.4028 0.3604	0.3733	Ave		0.4128				14.0		30.0			
Propene	+++++ 1.1609	+++++ 1.0928	1.5479 1.2091	1.3069 1.0396	1.2285	Ave		1.2265				14.0		30.0			
Dichlorodifluoromethane	4.0543 3.8605	4.1829 3.7019	4.4748 4.1665	3.9221 3.4793	3.8163	Ave		3.9621				7.4		30.0			
Chloromethane	0.4990 0.4300	0.5059 0.4083	0.5376 0.4477	0.4430 0.3527	0.4267	Ave		0.4501				13.0		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.0829 2.9363	2.9387 2.9036	3.2994 3.3134	2.7218 2.8449	2.8704	Ave		2.9902				6.8		30.0			
Acetaldehyde	+++++ 0.3869	+++++ 0.3394	0.5021 0.4038	0.3733 0.3144	0.4428	Ave		0.3947				16.0		40.0			
Vinyl chloride	1.5245 1.4510	1.5243 1.3825	1.7385 1.5461	1.4871 1.2615	1.4309	Ave		1.4829				8.8		30.0			
1,3-Butadiene	1.0318 0.9981	1.1281 0.9554	1.1902 1.0690	1.0309 0.8729	0.9968	Ave		1.0304				9.0		30.0			
Butane	2.4463 1.9819	2.4604 1.8724	2.4977 2.0463	2.0911 1.6158	1.9815	Ave		2.1104				14.0		30.0			
Bromomethane	1.6099 1.4285	1.6087 1.3888	1.7128 1.5877	1.4631 1.3671	1.4070	Ave		1.5082				8.2		30.0			
Chloroethane	0.7289 0.6460	0.7041 0.6345	0.7842 0.7144	0.6734 0.6077	0.6467	Ave		0.6822				8.1		30.0			
Ethanol	+++++ 0.3202	+++++ 0.3084	0.3784 0.3103	0.3380 0.2624	0.3301	Ave		0.3211				11.0		40.0			
Vinyl bromide	1.2510 1.2325	1.2858 1.2290	1.4459 1.4152	1.2277 1.2497	1.2076	Ave		1.2827				6.8		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylbutane	+++++ 1.5962	1.9901 1.5455	2.0881 1.7015	1.6610 1.4088	1.5999	Ave		1.6989				13.0		30.0			
Trichlorofluoromethane	3.4010 3.3842	3.4970 3.3373	3.9742 3.7583	3.3853 3.2490	3.3401	Ave		3.4807				6.7		30.0			
Acrolein	+++++ 0.3021	0.4128 0.2855	0.3655 0.3935	0.2328 0.3121	0.3081	Ave		0.3266				18.0		30.0			
Acetonitrile	+++++ 0.3368	0.4098 0.3061	0.4320 0.3943	0.3296 0.3403	0.3366	Ave		0.3607				12.0		30.0			
Acetone	+++++ 0.5780	+++++ 0.3424	+++++ 0.3699	0.7210 +++++	0.8316	Ave		0.5686				38.0	*	30.0			
Isopropyl alcohol	+++++ 1.4403	+++++ 1.4471	1.7112 1.5786	1.5277 1.3482	1.4569	Ave		1.5014				7.8		30.0			
Pentane	+++++ 0.2110	0.1929 0.2103	0.2420 0.2383	0.2107 0.2065	0.2100	Ave		0.2152				7.7		30.0			
Ethyl ether	+++++ 1.0219	1.2193 0.9461	1.2370 1.0985	0.8503 0.9217	1.0780	Ave		1.0466				13.0		30.0			
1,1-Dichloroethene	1.2472 1.0504	1.1312 1.0692	1.2574 1.1985	1.0484 1.0684	1.0359	Ave		1.1230				7.9		30.0			
tert-Butyl alcohol	+++++ 1.5527	2.1474 1.6753	2.1170 1.9312	1.9306 1.6797	1.7618	Ave		1.8495				12.0		30.0			
Acrylonitrile	0.6837 0.5684	0.6036 0.5529	0.6491 0.6783	0.4430 0.6032	0.5680	Ave		0.5945				13.0		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4110 2.3296	2.4189 2.3382	2.7256 2.5850	2.3179 2.2877	2.2929	Ave		2.4119				6.2		30.0			
Methylene Chloride	+++++ 1.0284	+++++ 1.0127	1.3860 1.0525	1.0569 0.9311	1.0231	Ave		1.0701				14.0		30.0			
3-Chloropropene	+++++ 1.0457	1.4141 1.0202	1.4133 1.0428	1.0400 0.8935	1.0351	Ave		1.1131				17.0		30.0			
Carbon disulfide	3.8327 3.6559	3.8048 3.6157	4.3304 4.0136	3.6252 3.4128	3.5747	Ave		3.7629				7.3		30.0			
trans-1,2-Dichloroethene	1.5956 1.2849	1.4088 1.2971	1.5141 1.3354	1.2666 1.2156	1.2555	Ave		1.3526				9.5		30.0			
2-Methylpentane	3.5143 2.9748	3.3896 2.8931	3.6215 3.0116	2.9875 2.4248	2.9621	Ave		3.0866				12.0		40.0			
Methyl tert-butyl ether	+++++ 2.0306	2.2440 1.9367	2.3259 2.1576	1.7335 1.8416	2.0623	Ave		2.0415				9.8		30.0			
1,1-Dichloroethane	2.2983 2.0618	2.2481 2.0212	2.5871 1.9936	1.8978 1.7914	2.0982	Ave		2.1108				11.0		30.0			
Vinyl acetate	+++++ 1.8387	2.0207 1.7150	2.0413 2.1043	1.4173 1.8329	1.8240	Ave		1.8493				12.0		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.3964	+++++ 0.3598	0.4111 0.3829	0.3437 0.3472	0.4093	Ave		0.3786				7.5		30.0			
C6 Range	+++++ 11.457	+++++ 10.950	14.161 11.507	11.950 10.055	11.668	Ave		11.678				11.0		30.0			
Hexane	1.2499 1.0288	1.1722 0.9966	1.2816 1.0234	1.0019 0.9009	1.0232	Ave		1.0754				12.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.1421	1.2484 1.1159	1.4102 1.1085	1.0275 1.0343	1.1509	Ave		1.1547				11.0		30.0			
Ethyl acetate	+++++ 1.6675	1.8616 1.5787	1.8823 1.7022	1.3606 1.4909	1.6483	Ave		1.6490				11.0		30.0			
Chloroform	2.7060 2.2129	2.5161 2.1695	2.8522 2.1655	2.0807 1.9884	2.2854	Ave		2.3307				13.0		30.0			
Tetrahydrofuran	+++++ 0.8907	1.1007 0.8382	1.1060 0.9416	0.7993 0.8406	0.8948	Ave		0.9265				13.0		30.0			
1,1,1-Trichloroethane	2.5690 2.4044	2.5894 2.3199	2.9524 2.2395	2.2082 2.1153	2.4654	Ave		2.4293				10.0		30.0			
1,2-Dichloroethane	0.3524 0.2986	0.3242 0.3013	0.3469 0.2973	0.2680 0.3047	0.2994	Ave		0.3103				8.5		30.0			
1-Butanol	+++++ 0.0758	+++++ 0.0850	+++++ 0.1016	0.0902 0.0993	0.0728	Ave		0.0874				14.0		30.0			
Benzene	+++++ 0.6491	0.7894 0.6742	0.7885 0.6678	0.5956 0.6732	0.6526	Ave		0.6863				9.9		30.0			
Cyclohexane	0.1355 0.1326	0.1403 0.1351	0.1546 0.1320	0.1280 0.1295	0.1311	Ave		0.1354				6.0		30.0			
Carbon tetrachloride	0.5567 0.5334	0.5322 0.5682	0.6406 0.5720	0.5209 0.6134	0.5648	Ave		0.5669				6.9		30.0			
2,3-Dimethylpentane	0.1746 0.1531	0.1672 0.1548	0.1903 0.1594	0.1424 0.1580	0.1574	Ave		0.1619				8.6		40.0			
Thiophene	+++++ 0.4079	0.4449 0.4137	0.5038 0.4130	0.3692 0.4248	0.4135	Ave		0.4238				9.1		40.0			
2,2,4-Trimethylpentane	+++++ 1.1013	1.2866 1.1120	1.4233 1.1598	1.0650 1.0917	1.1349	Ave		1.1718				10.0		30.0			
Heptane	+++++ 0.2302	0.2523 0.2339	0.2876 0.2500	0.2069 0.2495	0.2312	Ave		0.2427				9.7		30.0			
1,2-Dichloropropane	0.2713 0.2248	0.2476 0.2244	0.2446 0.2162	0.1894 0.2424	0.2270	Ave		0.2320				9.9		30.0			
Trichloroethene	0.3681 0.3070	0.3361 0.3103	0.3882 0.3376	0.2860 0.3565	0.3066	Ave		0.3329				10.0		30.0			
Dibromomethane	0.3519 0.2871	0.3135 0.2904	0.3463 0.3019	0.2521 0.3144	0.2898	Ave		0.3053				10.0		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Bromodichloromethane	0.5415 0.4610	0.4794 0.4772	0.5203 0.5090	0.3917 0.5236	0.4559	Ave		0.4844				9.4		30.0			
1,4-Dioxane	0.0864 0.0761	0.0789 0.0837	0.0861 0.0932	0.0734 0.0944	0.0759	Ave		0.0831				9.1		30.0			
Methyl methacrylate	+++++ 0.2033	0.2108 0.2121	0.2172 0.2415	0.1522 0.2315	0.1963	Ave		0.2081				13.0		30.0			
Methylcyclohexane	0.5084 0.4369	0.4885 0.4352	0.5437 0.4447	0.4036 0.4462	0.4506	Ave		0.4620				9.4		40.0			
4-Methyl-2-pentanone (MIBK)	0.4768 0.4049	0.4050 0.4208	0.3722 0.5038	0.3199 0.4786	0.3915	Ave		0.4193				14.0		30.0			
cis-1,3-Dichloropropene	0.3912 0.3148	0.3360 0.3226	0.3321 0.3286	0.2584 0.3651	0.3130	Ave		0.3291				11.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3239	0.3387 0.3309	0.3498 0.3384	0.2652 0.3768	0.3281	Ave		0.3315				9.5		30.0			
Toluene	+++++ 0.7167	0.8202 0.7308	0.8244 0.7195	0.6019 0.7841	0.7388	Ave		0.7420				9.6		30.0			
Toluene Range	+++++ 1.7355	1.8850 1.7414	2.3214 1.7164	1.4393 1.8607	1.7681	Ave		1.8085				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2300	0.2512 0.2324	0.2564 0.2257	0.1979 0.2522	0.2355	Ave		0.2352				8.1		30.0			
2-Methylthiophene	+++++ 0.6589	0.7303 0.6637	0.7306 0.6296	0.5576 0.7008	0.6632	Ave		0.6668				8.5		40.0			
3-Methylthiophene	+++++ 0.6573	0.7094 0.6674	0.7385 0.6367	0.5566 0.7128	0.6732	Ave		0.6690				8.4		40.0			
2-Hexanone	0.2893 0.2225	0.2360 0.2440	0.2090 0.2907	0.1958 0.2785	0.2215	Ave		0.2430				15.0		30.0			
C8 Range	+++++ 2.5227	+++++ 2.5151	4.1853 2.4822	2.7311 2.3967	2.7836	Ave		2.8024				22.0		30.0			
Octane	+++++ 0.2554	0.2894 0.2698	0.3001 0.2764	0.2400 0.2819	0.2649	Ave		0.2723				7.0		30.0			
Dibromochloromethane	0.5683 0.4999	0.4537 0.5452	0.4884 0.5757	0.4110 0.6423	0.4872	Ave		0.5191				14.0		30.0			
1,2-Dibromoethane (EDB)	+++++ 0.3904	0.4062 0.3997	0.4255 0.4060	0.3250 0.4746	0.3969	Ave		0.4030				10.0		30.0			
Tetrachloroethene	0.4307 0.3126	0.3606 0.3248	0.3860 0.3276	0.2918 0.3623	0.3149	Ave		0.3457				13.0		30.0			
Chlorobenzene	0.7600 0.5843	0.6366 0.6134	0.6670 0.6220	0.5083 0.7170	0.5962	Ave		0.6339				12.0		30.0			
2,3-Dimethylheptane	+++++ 0.7774	1.0016 0.7981	0.9243 0.7543	0.8155 0.6301	0.8355	Ave		0.8171				14.0		40.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.7809	0.8590 0.7918	0.9295 0.8662	0.6485 0.8867	0.7945	Ave		0.8196				11.0		30.0			
2-Ethylthiophene	+++++ 0.6211	0.6509 0.6348	0.7104 0.6760	0.5063 0.7092	0.6300	Ave		0.6423				10.0		40.0			
m-Xylene & p-Xylene	0.8724 0.6048	0.6478 0.6174	0.7195 0.6892	0.5053 0.6848	0.6113	Ave		0.6614				15.0		30.0			
Nonane	0.5849 0.4962	0.5269 0.5198	0.5003 0.5325	0.4350 0.5270	0.5092	Ave		0.5146				7.7		30.0			
Bromoform	0.3869 0.3941	0.3029 0.4477	0.3351 0.5176	0.2786 0.6525	0.3753	Ave		0.4101				28.0		30.0			
Styrene	0.4586 0.4545	0.3795 0.4737	0.4178 0.5566	0.3161 0.5951	0.4359	Ave		0.4542				19.0		30.0			
o-Xylene	+++++ 0.6220	0.6989 0.6334	0.7758 0.7157	0.5518 0.7183	0.6477	Ave		0.6705				10.0		30.0			
1,1,2,2-Tetrachloroethane	0.6366 0.5114	0.4928 0.5428	0.5223 0.6379	0.4404 0.6334	0.5127	Ave		0.5478				13.0		30.0			
1,2,3-Trichloropropane	0.1442 0.1219	0.1181 0.1290	0.1305 0.1531	0.1029 0.1606	0.1220	Ave		0.1314				14.0		30.0			
Isopropylbenzene	+++++ 0.8840	0.9896 0.9244	1.0486 1.0733	0.7621 1.0613	0.8995	Ave		0.9553				11.0		30.0			
Propylbenzene	0.2681 0.2341	0.2110 0.2500	0.2443 0.3134	0.1854 0.3341	0.2269	Ave		0.2519				19.0		30.0			
2-Chlorotoluene	0.3095 0.2380	0.2477 0.2491	0.2685 0.2880	0.2030 0.3199	0.2426	Ave		0.2629				14.0		30.0			
4-Ethyltoluene	+++++ 0.8311	0.8416 0.8990	0.8896 1.0959	0.6810 1.0745	0.8145	Ave		0.8909				15.0		30.0			
1,3,5-Trimethylbenzene	0.4938 0.3981	0.4061 0.4350	0.4303 0.5543	0.3429 0.5787	0.3917	Ave		0.4479				18.0		30.0			
Alpha Methyl Styrene	+++++ 0.3207	+++++ 0.3696	0.2496 0.4870	0.2079 +++++	0.2910	Ave		0.3209				31.0	*	30.0			
Decane	0.6374 0.5292	0.5113 0.5642	0.5207 0.6272	0.4260 0.5826	0.5375	Ave		0.5485				12.0		30.0			
tert-Butylbenzene	0.9408 0.7767	0.8087 0.8608	0.8237 1.1089	0.6758 1.1051	0.7724	Ave		0.8748				17.0		30.0			
1,2,4-Trimethylbenzene	0.8860 0.7036	0.6832 0.7761	0.7207 0.9851	0.5785 0.9682	0.6901	Ave		0.7768				18.0		30.0			
sec-Butylbenzene	1.2822 1.0386	1.0421 1.1381	1.0626 1.4231	0.8765 1.3609	1.0370	Ave		1.1401				16.0		30.0			
1,3-Dichlorobenzene	0.6165 0.4316	0.4587 0.4814	0.4606 0.6381	0.3506 0.7371	0.4206	Ave		0.5106				24.0		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzyl chloride	+++++ 0.5194	0.5259 0.5969	0.5293 0.7868	0.4001 0.8036	0.4796	Ave		0.5802				25.0		30.0			
1,4-Dichlorobenzene	0.5812 0.3946	0.4226 0.4405	0.4275 0.6043	0.3295 0.6990	0.3777	Ave		0.4752				26.0		30.0			
4-Isopropyltoluene	1.0099 0.8431	0.8059 0.9293	0.8117 1.1712	0.6811 1.1487	0.8256	Ave		0.9141				18.0		30.0			
1,2,3-Trimethylbenzene	+++++ 0.5818	0.6038 0.6245	0.6126 0.7801	0.5165 0.7656	0.5791	Ave		0.6330				15.0		40.0			
Butylcyclohexane	0.8668 0.6633	0.7527 0.6998	0.6856 0.7692	0.5955 0.7699	0.6994	Ave		0.7225				11.0		40.0			
1,2-Dichlorobenzene	0.5645 0.4286	0.4298 0.4797	0.4422 0.6537	0.3508 0.7309	0.4147	Ave		0.4994				25.0		30.0			
Indane	+++++ 0.6382	0.6553 0.7031	0.6522 0.9291	0.5340 0.9433	0.6228	Ave		0.7098				21.0		40.0			
Butylbenzene	0.9460 0.7809	0.7473 0.8777	0.7741 1.1149	0.6052 1.0417	0.7458	Ave		0.8482				19.0		30.0			
Indene	0.7207 0.5892	0.5164 0.6812	0.5351 0.9374	0.4341 +++++	0.5474	Ave		0.6202				25.0		40.0			
Undecane	+++++ 0.5055	0.5604 0.5578	0.5305 0.6932	0.4489 0.6332	0.4907	Ave		0.5525				14.0		30.0			
1,2-Dimethyl-4-Ethylbenzene	0.9638 0.7782	0.7650 0.8711	0.7308 1.1243	0.6104 1.1208	0.7493	Ave		0.8571				21.0		40.0			
1,2,4,5-Tetramethylbenzene	+++++ 0.8069	0.8466 0.9215	0.7831 1.2072	0.6737 +++++	0.7884	Ave		0.8611				20.0		40.0			
1,2,3,5-Tetramethylbenzene	0.6914 0.4976	0.5735 0.5663	0.5216 0.7214	0.4291 +++++	0.4957	Ave		0.5621				18.0		40.0			
1,2,3,4-Tetramethylbenzene	+++++ 0.6318	0.7601 0.7192	0.6390 0.9406	0.5613 +++++	0.6223	Ave		0.6963				18.0		40.0			
Dodecane	+++++ 0.5222	0.6219 0.5549	0.5826 0.6951	0.4960 0.5857	0.5184	Ave		0.5721				11.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.1978	0.2393 0.2353	0.1875 0.3503	0.1589 +++++	0.1860	Ave		0.2222				28.0		30.0			
Naphthalene	+++++ 0.5440	0.6054 0.6234	0.5204 0.8528	0.4570 0.9116	0.5206	Ave		0.6294				26.0		30.0			
Benzo(b)thiophene	+++++ 0.3584	0.4411 0.4226	0.3316 0.5886	0.2931 0.6439	0.3327	Ave		0.4265				30.0		40.0			
Hexachlorobutadiene	+++++ 0.3710	0.4779 0.4186	0.4112 0.5814	0.3414 0.6501	0.3803	Ave		0.4540				24.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.2455	0.2949 0.2721	0.2520 0.3767	0.2213 0.3886	0.2456	Ave		0.2871				22.0		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylnaphthalene	+++++ 0.0679	0.0753 0.0753	0.0599 0.1029	0.0578 0.0298	0.0666	Ave		0.0669				31.0		40.0			
1-Methylnaphthalene	+++++ 0.0730	0.0816 0.0750	0.0695 0.0927	0.0679 0.0189	0.0735	Ave		0.0690				31.0		40.0			
4-Bromofluorobenzene (Surr)	0.6600 0.7176	0.6934 0.7283	0.7134 0.7225	0.6897 0.7235	0.7189	Ave		0.7075				3.1		30.0			

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

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-946/2	JICC111.D
Level 2	IC 140-946/3	JICC112.D
Level 3	IC 140-946/4	JICC113.D
Level 4	IC 140-946/5	JICC114.D
Level 5	IC 140-946/6	JICC115.D
Level 6	ICIS 140-946/7	JICC116.D
Level 7	IC 140-946/8	JICC117.D
Level 8	IC 140-946/9	JICC118.D
Level 9	IC 140-946/10	JICC119.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chlorodifluoromethane	CBM	Ave	+++++ 65895	3504 127336	7250 267278	13846 505684	32729	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Propene	CBM	Ave	+++++ 203864	+++++ 380299	22123 770175	44922 1458925	107699	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00
Dichlorodifluoromethane	CBM	Ave	14707 677907	29444 1288306	63957 2653935	134818 4882515	334566	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Chloromethane	CBM	Ave	1810 75510	3561 142083	7684 285173	15228 494916	37407	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	CBM	Ave	11183 515628	20686 1010496	47157 2110535	93560 3992171	251641	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Acetaldehyde	CBM	Ave	+++++ 339724	+++++ 590590	35881 1285979	64164 2205919	194092	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0	5.00
Vinyl chloride	CBM	Ave	5530 254791	10730 481131	24848 984783	51116 1770210	125449	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,3-Butadiene	CBM	Ave	3743 175277	7941 332507	17011 680934	35435 1224939	87385	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Butane	CBM	Ave	8874 348021	17319 651614	35698 1303426	71879 2267439	173714	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Bromomethane	CBM	Ave	5840 250854	11324 483336	24480 1011303	50293 1918491	123346	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Chloroethane	CBM	Ave	2644 113435	4956 220811	11208 455037	23148 852776	56692	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Ethanol	CBM	Ave	+++++ 281128	+++++ 536616	27045 988374	58098 1841235	144711	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0	5.00
Vinyl bromide	CBM	Ave	4538 216421	9051 427699	20665 901463	42200 1753642	105872	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Methylbutane	CBM	Ave	+++++ 280290	14009 537867	29844 1083786	57096 1976924	140258	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Trichlorofluoromethane	CBM	Ave	12337 594264	24616 1161422	56802 2393900	116368 4559353	292818	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Acrolein	CBM	Ave	+++++ 53042	2906 99357	5224 250642	8002 437980	27013	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Acetonitrile	CBM	Ave	+++++ 59141	2885 106520	6174 251140	11328 477609	29505	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Acetone	CBM	Ave	+++++ 101503	+++++ 119169	+++++ 235590	24784 +++++	72907	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 +++++	1.00
Isopropyl alcohol	CBM	Ave	+++++ 252925	+++++ 503623	24457 1005537	52512 1891993	127722	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00
Pentane	CBM	Ave	+++++ 37045	1358 73196	3459 151771	7244 289822	18413	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Ethyl ether	CBM	Ave	+++++ 179455	8583 329259	17680 699710	29228 1293462	94508	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1-Dichloroethene	CBM	Ave	4524 184446	7963 372110	17971 763429	36039 1499326	90818	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
tert-Butyl alcohol	CBM	Ave	+++++ 272663	15116 583041	30258 1230118	66363 2357157	154458	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Acrylonitrile	CBM	Ave	2480 99812	4249 192415	9278 432058	15228 846522	49792	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1,2-Trichloro-1,2,2-trifluoroetha ne	CBM	Ave	8746 409082	17027 813723	38956 1646524	79676 3210350	201012	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Methylene Chloride	CBM	Ave	+++++ 180581	+++++ 352418	19809 670417	36329 1306630	89695	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00
3-Chloropropene	CBM	Ave	+++++ 183622	9954 355060	20200 664240	35748 1253863	90749	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Carbon disulfide	CBM	Ave	13903 641989	26783 1258326	61892 2556516	124614 4789123	313388	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
trans-1,2-Dichloroethene	CBM	Ave	5788 225627	9917 451426	21641 850575	43537 1705804	110071	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Methylpentane	CBM	Ave	12748 522389	23860 1006835	51760 1918287	102693 3402713	259682	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Methyl tert-butyl ether	CBM	Ave	+++++ 356577	15796 673998	33243 1374295	59586 2584260	180801	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1-Dichloroethane	CBM	Ave	8337 362051	15825 703411	36976 1269839	65235 2513809	183945	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Vinyl acetate	CBM	Ave	+++++ 322885	14224 596834	29176 1340341	48718 2572051	159904	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Butanone (MEK)	CBM	Ave	+++++ 69610	+++++ 125222	5876 243895	11813 487204	35887	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00
C6 Range	CBM	Ave	+++++ 2011864	+++++ 3810714	202396 7329744	410756 14110311	1022928	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexane	CBM	Ave	4534 180662	8251 346825	18317 651848	34438 1264226	89704	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
cis-1,2-Dichloroethene	CBM	Ave	+++++ 200551	8788 388357	20156 706076	35319 1451411	100896	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Ethyl acetate	CBM	Ave	+++++ 292814	13104 549427	26903 1084225	46769 2092150	144504	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Chloroform	CBM	Ave	9816 388598	17711 755016	40765 1379316	71523 2790275	200359	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Tetrahydrofuran	CBM	Ave	+++++ 156408	7748 291715	15807 599765	27476 1179659	78446	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1,1-Trichloroethane	CBM	Ave	9319 422225	18227 807351	42198 1426505	75903 2968435	216140	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2-Dichloroethane	DFB	Ave	5688 248475	11010 473508	23652 840072	43695 1727411	125298	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1-Butanol	DFB	Ave	+++++ 63073	+++++ 133536	+++++ 287181	14706 562689	30453	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0	1.00
Benzene	DFB	Ave	+++++ 540059	26808 1059675	53761 1886757	97096 3816101	273136	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Cyclohexane	DFB	Ave	2187 110363	4766 212371	10543 372992	20873 734107	54874	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Carbon tetrachloride	DFB	Ave	8987 443845	18074 893077	43678 1616119	84912 3477511	236385	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2,3-Dimethylpentane	DFB	Ave	2819 127368	5679 243353	12974 450381	23214 895905	65875	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Thiophene	DFB	Ave	+++++ 339429	15107 650293	34350 1166754	60186 2407949	173039	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 916367	43691 1747868	97042 3277019	173617 6188593	474988	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Heptane	DFB	Ave	+++++ 191563	8567 367648	19608 706282	33732 1414497	96771	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2-Dichloropropane	DFB	Ave	4380 187039	8407 352739	16678 610860	30869 1374081	95014	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Trichloroethene	DFB	Ave	5942 255418	11412 487687	26470 953846	46631 2020928	128335	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Dibromomethane	DFB	Ave	5681 238917	10647 456395	23612 853084	41095 1782109	121268	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Bromodichloromethane	DFB	Ave	8741 383587	16281 749991	35477 1438067	63861 2968189	190788	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,4-Dioxane	DFB	Ave	1394 63279	2681 131505	5872 263409	11964 535040	31775	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Methyl methacrylate	DFB	Ave	+++++ 169117	7159 333332	14809 682355	24813 1312475	82170	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methylcyclohexane	DFB	Ave	8207 363492	16589 683968	37072 1256319	65787 2529310	188580	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
4-Methyl-2-pentanone (MIBK)	DFB	Ave	7697 336876	13754 661355	25379 1423315	52154 2713031	163854	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
cis-1,3-Dichloropropene	DFB	Ave	6314 261947	11409 507092	22640 928432	42126 2069482	131004	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 234824	9630 446194	20295 879585	35040 1963516	117538	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Toluene	CBZ	Ave	+++++ 519669	23320 985546	47832 1869974	79532 4086312	264651	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Toluene Range	CBZ	Ave	+++++ 1258419	53595 2348373	134690 4461089	190190 9697293	633377	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 166783	7143 313466	14877 586633	26153 1314579	84373	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Methylthiophene	CBZ	Ave	+++++ 477759	20765 895031	42390 1636492	73689 3652163	237579	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
3-Methylthiophene	CBZ	Ave	+++++ 476584	20169 900038	42847 1654764	73553 3714685	241139	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Hexanone	CBZ	Ave	3616 161365	6711 329061	12124 755508	25873 1451418	79350	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
C8 Range	CBZ	Ave	+++++ 1829147	+++++ 3391784	242838 6451566	360891 12490633	997149	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0	1.00
Octane	CBZ	Ave	+++++ 185219	8228 363887	17415 718344	31719 1469379	94899	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Dibromochloromethane	CBZ	Ave	7103 362439	12900 735197	28336 1496245	54305 3347546	174527	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2-Dibromoethane (EDB)	CBZ	Ave	+++++ 283094	11550 539062	24689 1055365	42940 2473337	142171	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Tetrachloroethene	CBZ	Ave	5383 226667	10252 437989	22395 851426	38555 1888055	112818	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Chlorobenzene	CBZ	Ave	9499 423684	18101 827157	38702 1616541	67168 3736744	213586	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2,3-Dimethylheptane	CBZ	Ave	+++++ 563663	28479 1076318	53631 1960561	107761 3283977	299289	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Ethylbenzene	CBZ	Ave	+++++ 566249	24423 1067867	53929 2251254	85699 4621160	284603	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Ethylthiophene	CBZ	Ave	+++++ 450374	18507 856076	41218 1757131	66902 3695934	225682	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
m-Xylene & p-Xylene	CBZ	Ave	21806 877038	36838 1665289	83497 3582524	133531 7138010	437938	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0	2.00
Nonane	CBZ	Ave	7310 359753	14980 701033	29027 1384118	57485 2746405	182421	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bromoform	CBZ	Ave	4835 285787	8612 603733	19445 1345387	36819 3400531	134430	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Styrene	CBZ	Ave	5732 329540	10790 638753	24244 1446724	41766 3101488	156161	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
o-Xylene	CBZ	Ave	+++++ 451038	19871 854151	45016 1860295	72917 3743538	232024	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	7957 370844	14012 731970	30304 1658051	58192 3301073	183648	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,3-Trichloropropane	CBZ	Ave	1802 88416	3358 174026	7573 398010	13592 836915	43710	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Isopropylbenzene	CBZ	Ave	+++++ 640978	28138 1246662	60842 2789508	100706 5530866	322210	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Propylbenzene	CBZ	Ave	3351 169743	6000 337130	14173 814479	24502 1741082	81294	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Chlorotoluene	CBZ	Ave	3868 172536	7042 335960	15581 748591	26819 1667404	86903	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
4-Ethyltoluene	CBZ	Ave	+++++ 602615	23930 1212360	51618 2848420	89983 5599605	291767	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,3,5-Trimethylbenzene	CBZ	Ave	6172 288648	11546 586616	24966 1440763	45307 3015712	140307	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 232501	+++++ 498439	14480 1265706	27470 +++++	104233	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 +++++	1.00
Decane	CBZ	Ave	7967 383736	14539 760833	30213 1630218	56293 3036195	192549	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
tert-Butylbenzene	CBZ	Ave	11758 563181	22994 1160846	47790 2882125	89301 5759135	276681	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,4-Trimethylbenzene	CBZ	Ave	11073 510168	19426 1046672	41818 2560408	76446 5045591	247215	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
sec-Butylbenzene	CBZ	Ave	16025 753094	29629 1534847	61653 3698797	115821 7092519	371473	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,3-Dichlorobenzene	CBZ	Ave	7705 312974	13041 649208	26725 1658482	46329 3841334	150681	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Benzyl chloride	CBZ	Ave	+++++ 376583	14954 804987	30711 2044904	52876 4188073	171797	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,4-Dichlorobenzene	CBZ	Ave	7264 286084	12015 593980	24804 1570678	43546 3642996	135286	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
4-Isopropyltoluene	CBZ	Ave	12622 611347	22915 1253285	47097 3044134	90008 5986441	295742	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,3-Trimethylbenzene	CBZ	Ave	+++++ 421832	17168 842178	35544 2027503	68250 3990183	207460	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Butylcyclohexane	CBZ	Ave	10834 480940	21401 943677	39782 1999366	78686 4012634	250533	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1 Analy Batch No.: 946

SDG No.:

Instrument ID: MJ GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2014 12:40 Calibration End Date: 03/11/2014 19:57 Calibration ID: 143

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2-Dichlorobenzene	CBZ	Ave	7055 310746	12220 646950	25655 1699055	46356 3809042	148540	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Indane	CBZ	Ave	+++++ 462728	18631 948230	37844 2414878	70569 4915942	223109	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Butylbenzene	CBZ	Ave	11823 566214	21249 1183694	44913 2897714	79971 5428724	267179	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Indene	CBZ	Ave	9007 427230	14683 918630	31046 2436478	57358 +++++	196085	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++	1.00
Undecane	CBZ	Ave	+++++ 366563	15935 752219	30780 1801735	59319 3299916	175793	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2-Dimethyl-4-Ethylbenzene	CBZ	Ave	12046 564256	21750 1174726	42402 2922288	80666 5841120	268427	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,4,5-Tetramethylbenzene	CBZ	Ave	+++++ 585097	24071 1242657	45438 3137565	89023 +++++	282429	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++	1.00
1,2,3,5-Tetramethylbenzene	CBZ	Ave	8641 360803	16306 763734	30265 1875036	56702 +++++	177582	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++	1.00
1,2,3,4-Tetramethylbenzene	CBZ	Ave	+++++ 458134	21613 969881	37074 2444837	74166 +++++	222908	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++	1.00
Dodecane	CBZ	Ave	+++++ 378646	17682 748275	33803 1806559	65545 3052464	185701	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 143447	6805 317385	10877 910586	21000 +++++	66621	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++	1.00
Naphthalene	CBZ	Ave	+++++ 394479	17213 840765	30193 2216472	60395 4750981	186491	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Benzo(b)thiophene	CBZ	Ave	+++++ 259843	12541 569891	19240 1529823	38727 3355982	119182	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
Hexachlorobutadiene	CBZ	Ave	+++++ 268985	13588 564546	23861 1511092	45108 3388138	136244	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 178007	8385 366981	14621 979161	29244 2025463	87992	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0	1.00
2-Methylnaphthalene	CBZ	Ave	+++++ 307709	13381 634411	21725 1671920	47754 969606	149184	+++++ 12.5	0.500 25.0	1.00 50.0	2.50 100	6.25
1-Methylnaphthalene	CBZ	Ave	+++++ 331073	14503 631891	25220 1506542	56061 616839	164584	+++++ 12.5	0.500 25.0	1.00 50.0	2.50 100	6.25
4-Bromofluorobenzene (Surr)	CBZ	Ave	824893 1040623	985783 982151	1034797 938909	911404 942607	1030162	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00	4.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC111.D
Lims ID: IC L1 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Mar-2014 12:40:30 ALS Bottle#: 8 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL1,,1,1,,ICAL 0.04
Misc. Info.: J031114I,TO15,,140-0000516-002
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:46:11 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:46:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.387	9.392	-0.005	92	362747	4.00	
* 2 1,4-Difluorobenzene	114	11.544	11.547	-0.003	94	1614195	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.208	16.208	0.0	87	1249833	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.828	17.825	0.003	90	824893	3.73	
6 Chlorodifluoromethane	67	3.965	3.960	0.005	90	2070	0.0553	
7 Propene	41	3.975	3.973	0.002	94	6874	0.0618	
8 Dichlorodifluoromethane	85	4.035	4.029	0.006	90	14707	0.0409	
9 Chloromethane	52	4.239	4.230	0.009	40	1810	0.0443	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.239	4.238	0.001	84	11183	0.0412	
11 Acetaldehyde	44	4.400	4.398	0.002	99	23295	0.6509	
12 Vinyl chloride	62	4.422	4.419	0.003	30	5530	0.0411	
14 Butadiene	54	4.519	4.517	0.002	56	3743	0.0401	
13 Butane	43	4.519	4.517	0.002	83	8874	0.0464	
15 Bromomethane	94	4.868	4.871	-0.003	83	5840	0.0427	
16 Chloroethane	64	5.024	5.027	-0.003	67	2644	0.0427	
17 Ethanol	31	5.127	5.122	0.005	92	10598	0.3639	
18 Vinyl bromide	106	5.358	5.357	0.001	66	4538	0.0390	
19 2-Methylbutane	43	5.406	5.411	-0.005	73	8284	0.0538	
20 Trichlorofluoromethane	101	5.643	5.647	-0.004	75	12337	0.0391	
21 Acrolein	56	5.654	5.650	0.004	2	1845	0.0623	
22 Acetonitrile	40	5.718	5.720	-0.002	72	365	0.0112	
23 Acetone	58	5.783	5.776	0.007	81	13132	0.2547	
24 Isopropyl alcohol	45	5.869	5.858	0.011	45	8126	0.0597	
25 Pentane	72	5.880	5.884	-0.004	84	563	0.0288	
26 Ethyl ether	31	6.073	6.059	0.014	82	6445	0.0679	
27 1,1-Dichloroethene	96	6.396	6.399	-0.003	54	4524	0.0444	
28 2-Methyl-2-propanol	59	6.504	6.487	0.017	68	8253	0.0492	
29 Acrylonitrile	53	6.498	6.498	0.0	35	2480	0.0460	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.590	6.586	0.004	77	8746	0.0400	
31 Methylene Chloride	84	6.757	6.759	-0.002	87	6749	0.0695	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.778	6.778	0.0	67	6354	0.0629	
33 Carbon disulfide	76	6.940	6.942	-0.002	91	13903	0.0407	
34 trans-1,2-Dichloroethene	96	7.601	7.609	-0.008	64	5788	0.0472	
35 2-Methylpentane	43	7.633	7.631	0.002	88	12748	0.0455	
36 Methyl tert-butyl ether	73	7.752	7.738	0.014	58	9876	0.0533	
37 1,1-Dichloroethane	63	8.037	8.041	-0.004	29	8337	0.0436	
38 Vinyl acetate	43	8.145	8.141	0.004	82	8474	0.0505	
39 2-Butanone (MEK)	72	8.607	8.601	0.006	84	2486	0.0724	
40 Hexane	56	8.645	8.642	0.003	81	4534	0.0465	
41 cis-1,2-Dichloroethene	96	9.054	9.052	0.002	52	5401	0.0516	
42 Ethyl acetate	43	9.237	9.229	0.008	82	8452	0.0565	
43 Chloroform	83	9.398	9.403	-0.005	14	9816	0.0464	
44 Tetrahydrofuran	42	9.839	9.816	0.023	86	4727	0.0563	
45 1,1,1-Trichloroethane	97	10.447	10.450	-0.003	62	9319	0.0423	
46 1,2-Dichloroethane	62	10.549	10.547	0.002	46	5688	0.0454	
47 n-Butanol	31	10.974	10.958	0.016	70	3817	0.1082	
48 Benzene	78	11.033	11.033	0.0	68	14955	0.0540	
49 Cyclohexane	69	11.039	11.040	-0.001	65	2187	0.0400	
50 Carbon tetrachloride	117	11.060	11.059	0.001	85	8987	0.0393	
51 2,3-Dimethylpentane	71	11.146	11.148	-0.002	77	2819	0.0431	
52 Thiophene	84	11.292	11.297	-0.005	47	8045	0.0470	
53 Isooctane	57	11.765	11.771	-0.006	91	23809	0.0503	
54 n-Heptane	71	12.131	12.130	0.001	80	4763	0.0486	
55 1,2-Dichloropropane	63	12.211	12.214	-0.003	55	4380	0.0468	
56 Trichloroethene	130	12.254	12.252	0.002	64	5942	0.0442	
57 Dibromomethane	93	12.330	12.332	-0.002	78	5681	0.0461	
59 Dichlorobromomethane	83	12.470	12.472	-0.002	76	8741	0.0447	
58 1,4-Dioxane	88	12.497	12.483	0.014	40	1394	0.0416	
60 Methyl methacrylate	41	12.550	12.548	0.002	38	4643	0.0553	
61 Methylcyclohexane	83	13.013	13.013	0.0	80	8207	0.0440	
62 4-Methyl-2-pentanone (MIBK)	43	13.390	13.382	0.008	81	7697	0.0455	
63 cis-1,3-Dichloropropene	75	13.443	13.448	-0.005	57	6314	0.0475	
64 trans-1,3-Dichloropropene	75	14.126	14.126	0.0	59	5825	0.0562	
65 Toluene	91	14.261	14.262	-0.001	71	13203	0.0569	
66 1,1,2-Trichloroethane	83	14.326	14.328	-0.002	41	3627	0.0494	
67 2-Methylthiophene	97	14.412	14.413	-0.001	66	11278	0.0541	
68 3-Methylthiophene	97	14.611	14.612	-0.001	67	11032	0.0528	
69 2-Hexanone	58	14.702	14.694	0.008	77	3616	0.0476	
70 n-Octane	85	14.928	14.928	0.0	82	4390	0.0516	
71 Chlorodibromomethane	129	15.025	15.027	-0.002	53	7103	0.0438	
72 Ethylene Dibromide	107	15.315	15.317	-0.002	58	6293	0.0500	
73 Tetrachloroethene	129	15.391	15.393	-0.002	77	5383	0.0498	
75 Chlorobenzene	112	16.251	16.256	-0.005	75	9499	0.0480	
74 2,3-Dimethylheptane	43	16.262	16.260	0.002	91	14337	0.0562	
76 Ethylbenzene	91	16.536	16.536	0.0	73	14130	0.0552	
77 2-Ethylthiophene	97	16.633	16.638	-0.005	30	10632	0.0530	
78 m-Xylene & p-Xylene	91	16.698	16.696	0.002	92	21806	0.1055	
79 n-Nonane	57	17.096	17.098	-0.002	81	7310	0.0455	
81 Bromoform	173	17.150	17.149	0.001	52	4835	0.0377	
80 Styrene	104	17.155	17.157	-0.002	57	5732	0.0404	
82 o-Xylene	91	17.220	17.220	0.0	75	12031	0.0574	
83 1,1,2,2-Tetrachloroethane	83	17.532	17.534	-0.002	50	7957	0.0465	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.688	17.690	-0.002	64	1802	0.0439	
85 Isopropylbenzene	105	17.795	17.793	0.002	80	15689	0.0526	
86 N-Propylbenzene	120	18.312	18.310	0.002	84	3351	0.0426	
87 2-Chlorotoluene	126	18.360	18.357	0.003	63	3868	0.0471	
88 4-Ethyltoluene	105	18.452	18.454	-0.002	79	14155	0.0509	
89 1,3,5-Trimethylbenzene	120	18.522	18.524	-0.002	80	6172	0.0441	
90 Alpha Methyl Styrene	118	18.747	18.745	0.002	51	4051	0.0404	
91 n-Decane	57	18.791	18.793	-0.003	58	7967	0.0465	
92 tert-Butylbenzene	119	18.936	18.937	-0.001	74	11758	0.0430	
93 1,2,4-Trimethylbenzene	105	18.947	18.949	-0.003	58	11073	0.0456	
94 sec-Butylbenzene	105	19.194	19.196	-0.002	87	16025	0.0450	
95 1,3-Dichlorobenzene	146	19.215	19.217	-0.002	64	7705	0.0483	
96 Benzyl chloride	91	19.291	19.288	0.003	77	9484	0.0523	
97 1,4-Dichlorobenzene	146	19.302	19.302	0.0	73	7264	0.0489	
98 4-Isopropyltoluene	119	19.350	19.352	-0.002	58	12622	0.0442	
99 1,2,3-Trimethylbenzene	105	19.409	19.409	0.0	64	10198	0.0516	
100 Butylcyclohexane	83	19.458	19.460	-0.002	82	10834	0.0480	
101 2,3-Dihydroindene	117	19.651	19.653	-0.002	82	11897	0.0536	
102 1,2-Dichlorobenzene	146	19.651	19.653	-0.002	62	7055	0.0452	
103 n-Butylbenzene	91	19.775	19.777	-0.002	83	11823	0.0446	
104 Indene	116	19.780	19.781	-0.001	71	9007	0.0465	
105 Undecane	57	20.071	20.068	0.003	79	8831	0.0512	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.135	20.138	-0.003	67	12046	0.0450	
108 1,2,4,5-Tetramethylbenzene	119	20.528	20.525	0.003	80	14008	0.0521	
107 1,2,3,5-Tetramethylbenzene	119	20.582	20.582	0.0	69	8641	0.0492	
109 1,2,3,4-Tetramethylbenzene	119	20.996	20.998	-0.002	72	10802	0.0496	
110 Dodecane	57	21.147	21.148	-0.001	72	10350	0.0579	
111 1,2,4-Trichlorobenzene	180	21.378	21.379	-0.001	39	4076	0.0587	
112 Naphthalene	128	21.529	21.527	0.002	87	10827	0.0551	
113 Benzo(b)thiophene	134	21.631	21.631	0.0	65	9115	0.0684	
114 Hexachlorobutadiene	225	21.728	21.729	-0.001	66	8308	0.0586	
115 1,2,3-Trichlorobenzene	180	21.803	21.800	0.003	55	5282	0.0589	
116 2-Methylnaphthalene	142	22.449	22.449	0.0	79	9998	0.4781	
117 1-Methylnaphthalene	142	22.583	22.583	0.0	83	10034	0.4652	
139 Isopropyl ether	45	8.806	8.794	0.012	85	11786	NR	
142 Tert-butyl ethyl ether	59	9.500	9.487	0.013	66	10168	NR	
140 Tert-amyl methyl ether	73	11.496	11.482	0.014	50	9463	NR	
A 118 C6 Range	1	8.639	8.596 -	8.682	0	71508	0.0675	
A 122 Toluene Range	1	14.261	14.231 -	14.291	0	31251	0.0553	
A 123 C8 Range	1	14.928	14.896 -	14.960	0	84643	0.0967	
S 124 Xylenes, Total	100				0		0.1629	

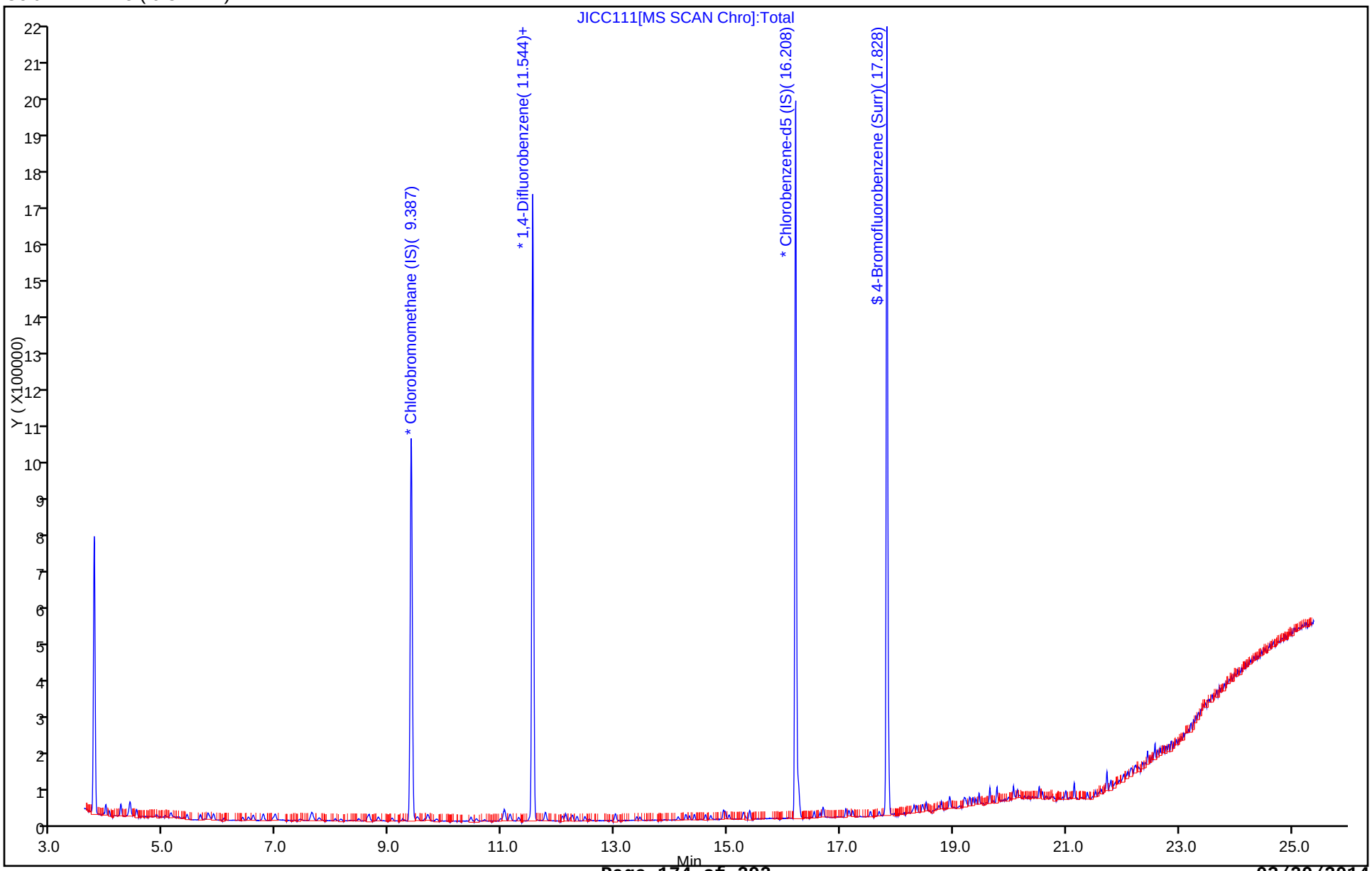
Report Date: 14-Mar-2014 14:46:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC111.D

Injection Date:	11-Mar-2014 12:40:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L1	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

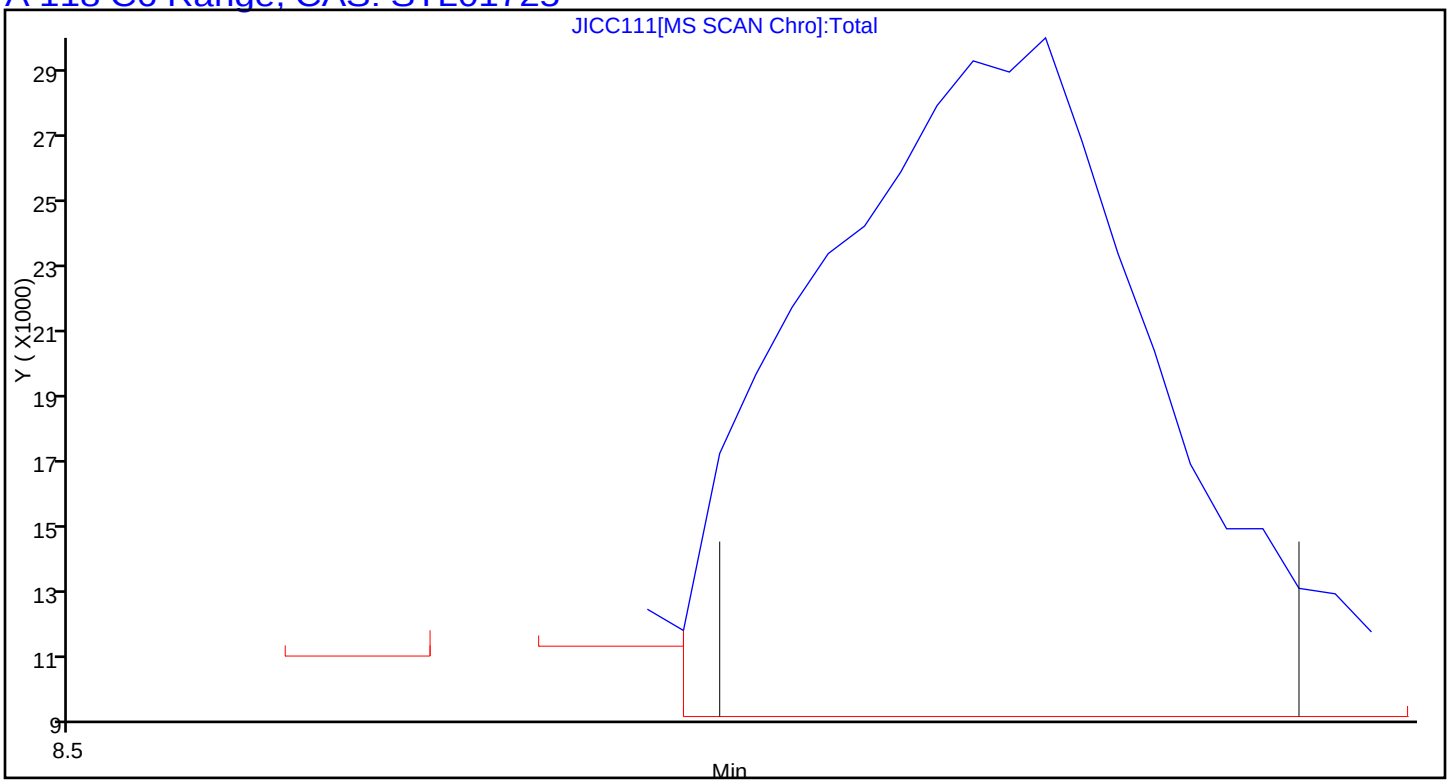


Report Date: 14-Mar-2014 14:46:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC111.D				
Injection Date:	11-Mar-2014 12:40:30	Instrument ID:	MJ		
Lims ID:	IC L1	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	2
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

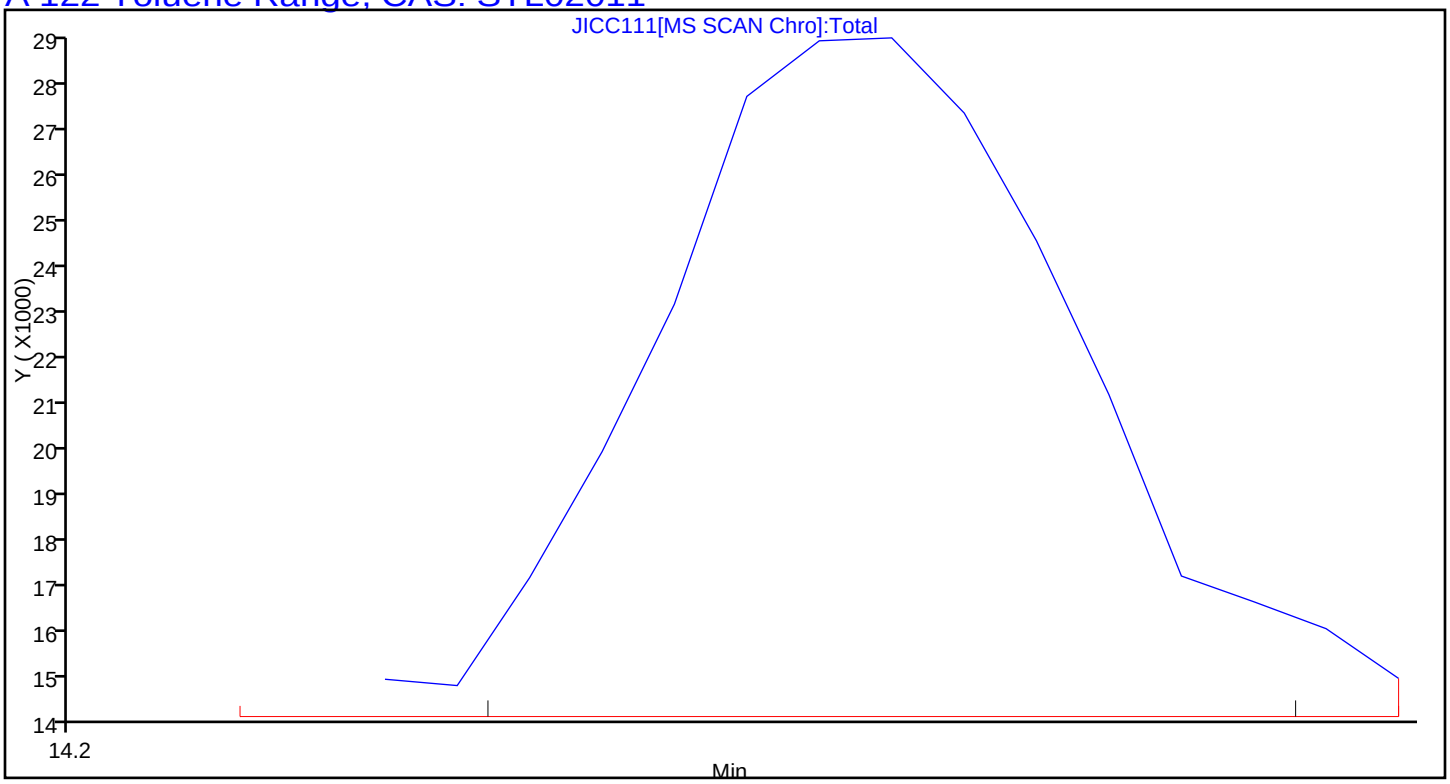


Report Date: 14-Mar-2014 14:46:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC111.D				
Injection Date:	11-Mar-2014 12:40:30	Instrument ID:	MJ		
Lims ID:	IC L1	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	2
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

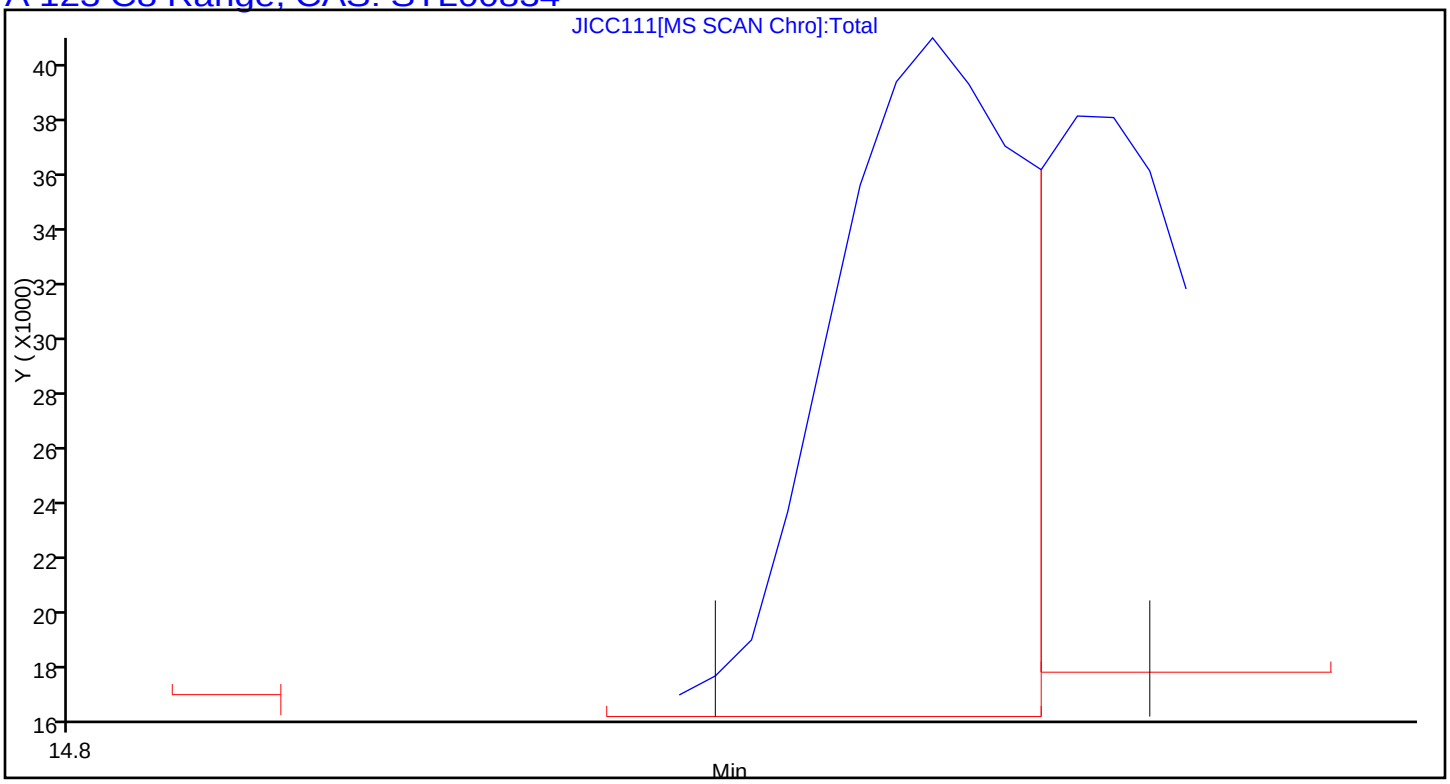


Report Date: 14-Mar-2014 14:46:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC111.D				
Injection Date:	11-Mar-2014 12:40:30	Instrument ID:	MJ		
Lims ID:	IC L1	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	2
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC112.D
Lims ID: IC L2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Mar-2014 13:35:30 ALS Bottle#: 8 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL2,,1,2,,ICAL 0.08
Misc. Info.: J031114I,TO15,,140-0000516-003
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:45:57 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:45:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.387	9.392	-0.005	92	351959	4.00	
* 2 1,4-Difluorobenzene	114	11.544	11.547	-0.003	94	1697921	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.208	16.208	0.0	87	1421637	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.822	17.825	-0.003	90	985783	3.92	
6 Chlorodifluoromethane	67	3.965	3.960	0.004	90	3504	0.0965	
7 Propene	41	3.975	3.973	0.002	98	12138	0.1125	
8 Dichlorodifluoromethane	85	4.029	4.029	0.0	95	29444	0.0845	
9 Chloromethane	52	4.228	4.230	-0.002	90	3561	0.0899	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.239	4.238	0.001	88	20686	0.0786	
11 Acetaldehyde	44	4.400	4.398	0.002	99	45343	1.31	
12 Vinyl chloride	62	4.416	4.419	-0.003	67	10730	0.0822	
14 Butadiene	54	4.519	4.517	0.002	58	7941	0.0876	
13 Butane	43	4.519	4.517	0.002	87	17319	0.0933	
15 Bromomethane	94	4.868	4.871	-0.003	88	11324	0.0853	
16 Chloroethane	64	5.030	5.027	0.003	66	4956	0.0826	
17 Ethanol	31	5.126	5.122	0.004	94	18689	0.6614	
18 Vinyl bromide	106	5.358	5.357	0.001	72	9051	0.0802	
19 2-Methylbutane	43	5.412	5.411	0.001	85	14009	0.0937	
20 Trichlorofluoromethane	101	5.648	5.647	0.001	87	24616	0.0804	
21 Acrolein	56	5.648	5.650	-0.002	1	2906	0.1011	
22 Acetonitrile	40	5.729	5.720	0.009	91	2885	0.0909	
23 Acetone	58	5.788	5.776	0.012	83	21741	0.4346	
24 Isopropyl alcohol	45	5.863	5.858	0.005	57	14698	0.1113	
25 Pentane	72	5.885	5.884	0.001	84	1358	0.0717	
26 Ethyl ether	31	6.068	6.059	0.009	82	8583	0.0932	
27 1,1-Dichloroethene	96	6.396	6.399	-0.003	81	7963	0.0806	
28 2-Methyl-2-propanol	59	6.504	6.487	0.017	75	15116	0.0929	
29 Acrylonitrile	53	6.498	6.498	0.0	40	4249	0.0812	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.584	6.586	-0.002	83	17027	0.0802	
31 Methylene Chloride	84	6.756	6.759	-0.003	91	10876	0.1155	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.778	6.778	0.0	80	9954	0.1016	
33 Carbon disulfide	76	6.939	6.942	-0.003	98	26783	0.0809	
34 trans-1,2-Dichloroethene	96	7.606	7.609	-0.003	85	9917	0.0833	
35 2-Methylpentane	43	7.628	7.631	-0.003	86	23860	0.0879	
36 Methyl tert-butyl ether	73	7.752	7.738	0.014	84	15796	0.0879	
37 1,1-Dichloroethane	63	8.042	8.041	0.001	65	15825	0.0852	
38 Vinyl acetate	43	8.144	8.141	0.003	99	14224	0.0874	
39 2-Butanone (MEK)	72	8.612	8.601	0.011	91	4259	0.1278	
40 Hexane	56	8.645	8.642	0.003	85	8251	0.0872	
41 cis-1,2-Dichloroethene	96	9.048	9.052	-0.004	67	8788	0.0865	
42 Ethyl acetate	43	9.236	9.229	0.007	83	13104	0.0903	
43 Chloroform	83	9.398	9.403	-0.005	15	17711	0.0864	
44 Tetrahydrofuran	42	9.833	9.816	0.017	89	7748	0.0950	
45 1,1,1-Trichloroethane	97	10.452	10.450	0.002	78	18227	0.0853	
46 1,2-Dichloroethane	62	10.544	10.547	-0.003	63	11010	0.0836	
47 n-Butanol	31	10.974	10.958	0.016	72	4071	0.1097	
48 Benzene	78	11.033	11.033	0.0	92	26808	0.0920	
49 Cyclohexane	69	11.038	11.040	-0.002	83	4766	0.0829	
50 Carbon tetrachloride	117	11.055	11.059	-0.004	87	18074	0.0751	
51 2,3-Dimethylpentane	71	11.146	11.148	-0.002	82	5679	0.0826	
52 Thiophene	84	11.291	11.297	-0.006	67	15107	0.0840	
53 Isooctane	57	11.770	11.771	-0.001	91	43691	0.0878	
54 n-Heptane	71	12.131	12.130	0.001	80	8567	0.0832	
55 1,2-Dichloropropane	63	12.211	12.214	-0.003	69	8407	0.0854	
56 Trichloroethene	130	12.249	12.252	-0.003	73	11412	0.0807	
57 Dibromomethane	93	12.330	12.332	-0.002	84	10647	0.0822	
59 Dichlorobromomethane	83	12.469	12.472	-0.003	79	16281	0.0792	
58 1,4-Dioxane	88	12.496	12.483	0.013	55	2681	0.0760	
60 Methyl methacrylate	41	12.550	12.548	0.002	49	7159	0.0810	
61 Methylcyclohexane	83	13.013	13.013	0.0	88	16589	0.0846	
62 4-Methyl-2-pentanone (MIBK)	43	13.384	13.382	0.002	83	13754	0.0773	
63 cis-1,3-Dichloropropene	75	13.448	13.448	0.0	68	11409	0.0817	
64 trans-1,3-Dichloropropene	75	14.126	14.126	0.0	67	9630	0.0817	
65 Toluene	91	14.261	14.262	-0.001	79	23320	0.0884	
66 1,1,2-Trichloroethane	83	14.325	14.328	-0.003	76	7143	0.0855	
67 2-Methylthiophene	97	14.411	14.413	-0.002	76	20765	0.0876	
68 3-Methylthiophene	97	14.610	14.612	-0.002	72	20169	0.0848	
69 2-Hexanone	58	14.691	14.694	-0.003	77	6711	0.0777	
70 n-Octane	85	14.928	14.928	0.0	90	8228	0.0850	
71 Chlorodibromomethane	129	15.025	15.027	-0.002	71	12900	0.0699	
72 Ethylene Dibromide	107	15.315	15.317	-0.002	75	11550	0.0806	
73 Tetrachloroethene	129	15.390	15.393	-0.003	82	10252	0.0834	
75 Chlorobenzene	112	16.257	16.256	0.001	30	18101	0.0803	
74 2,3-Dimethylheptane	43	16.257	16.260	-0.003	93	28479	0.0981	
76 Ethylbenzene	91	16.536	16.536	0.0	83	24423	0.0838	
77 2-Ethylthiophene	97	16.639	16.638	0.001	51	18507	0.0811	
78 m-Xylene & p-Xylene	91	16.692	16.696	-0.004	95	36838	0.1567	
79 n-Nonane	57	17.096	17.098	-0.002	89	14980	0.0819	
81 Bromoform	173	17.150	17.149	0.001	64	8612	0.0591	
80 Styrene	104	17.155	17.157	-0.002	78	10790	0.0668	
82 o-Xylene	91	17.220	17.220	0.0	84	19871	0.0834	
83 1,1,2,2-Tetrachloroethane	83	17.532	17.534	-0.002	77	14012	0.0720	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.688	17.690	-0.002	73	3358	0.0719	
85 Isopropylbenzene	105	17.790	17.793	-0.003	83	28138	0.0829	
86 N-Propylbenzene	120	18.312	18.310	0.002	90	6000	0.0670	
87 2-Chlorotoluene	126	18.355	18.357	-0.002	77	7042	0.0754	
88 4-Ethyltoluene	105	18.451	18.454	-0.003	85	23930	0.0756	
89 1,3,5-Trimethylbenzene	120	18.521	18.524	-0.003	84	11546	0.0725	
90 Alpha Methyl Styrene	118	18.747	18.745	0.002	64	6489	0.0569	
91 n-Decane	57	18.790	18.793	-0.003	77	14539	0.0746	
92 tert-Butylbenzene	119	18.936	18.937	-0.001	81	22994	0.0740	
93 1,2,4-Trimethylbenzene	105	18.946	18.949	-0.003	77	19426	0.0704	
94 sec-Butylbenzene	105	19.194	19.196	-0.002	89	29629	0.0731	
95 1,3-Dichlorobenzene	146	19.215	19.217	-0.002	83	13041	0.0719	
96 Benzyl chloride	91	19.285	19.288	-0.003	82	14954	0.0725	
97 1,4-Dichlorobenzene	146	19.301	19.302	-0.001	83	12015	0.0711	
98 4-Isopropyltoluene	119	19.350	19.352	-0.002	71	22915	0.0705	
99 1,2,3-Trimethylbenzene	105	19.409	19.409	0.0	82	17168	0.0763	
100 Butylcyclohexane	83	19.457	19.460	-0.003	86	21401	0.0833	
101 2,3-Dihydroindene	117	19.651	19.653	-0.002	81	18631	0.0739	
102 1,2-Dichlorobenzene	146	19.651	19.653	-0.002	71	12220	0.0688	
103 n-Butylbenzene	91	19.775	19.777	-0.002	90	21249	0.0705	
104 Indene	116	19.780	19.781	-0.001	81	14683	0.0666	
105 Undecane	57	20.065	20.068	-0.003	86	15935	0.0811	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.141	20.138	0.003	74	21750	0.0714	
108 1,2,4,5-Tetramethylbenzene	119	20.523	20.525	-0.003	87	24071	0.0787	
107 1,2,3,5-Tetramethylbenzene	119	20.582	20.582	0.0	81	16306	0.0816	
109 1,2,3,4-Tetramethylbenzene	119	20.996	20.998	-0.002	84	21613	0.0873	
110 Dodecane	57	21.147	21.148	-0.001	75	17682	0.0870	
111 1,2,4-Trichlorobenzene	180	21.378	21.379	-0.001	57	6805	0.0862	
112 Naphthalene	128	21.528	21.527	0.001	92	17213	0.0769	
113 Benzo(b)thiophene	134	21.631	21.631	0.0	76	12541	0.0827	
114 Hexachlorobutadiene	225	21.728	21.729	-0.001	77	13588	0.0842	
115 1,2,3-Trichlorobenzene	180	21.797	21.800	-0.003	70	8385	0.0822	
116 2-Methylnaphthalene	142	22.448	22.449	-0.001	82	13381	0.5625	
117 1-Methylnaphthalene	142	22.583	22.583	0.0	86	14503	0.5912	
139 Isopropyl ether	45	8.801	8.794	0.007	90	21937	NR	
142 Tert-butyl ethyl ether	59	9.495	9.487	0.008	79	18395	NR	
140 Tert-amyl methyl ether	73	11.490	11.482	0.008	68	17787	NR	
A 118 C6 Range	1	8.639	8.596 -	8.682	0	106564	0.1037	
A 122 Toluene Range	1	14.261	14.231 -	14.291	0	53595	0.0834	
A 123 C8 Range	1	14.928	14.896 -	14.960	0	128220	0.1287	
S 124 Xylenes, Total	100				0		0.2401	

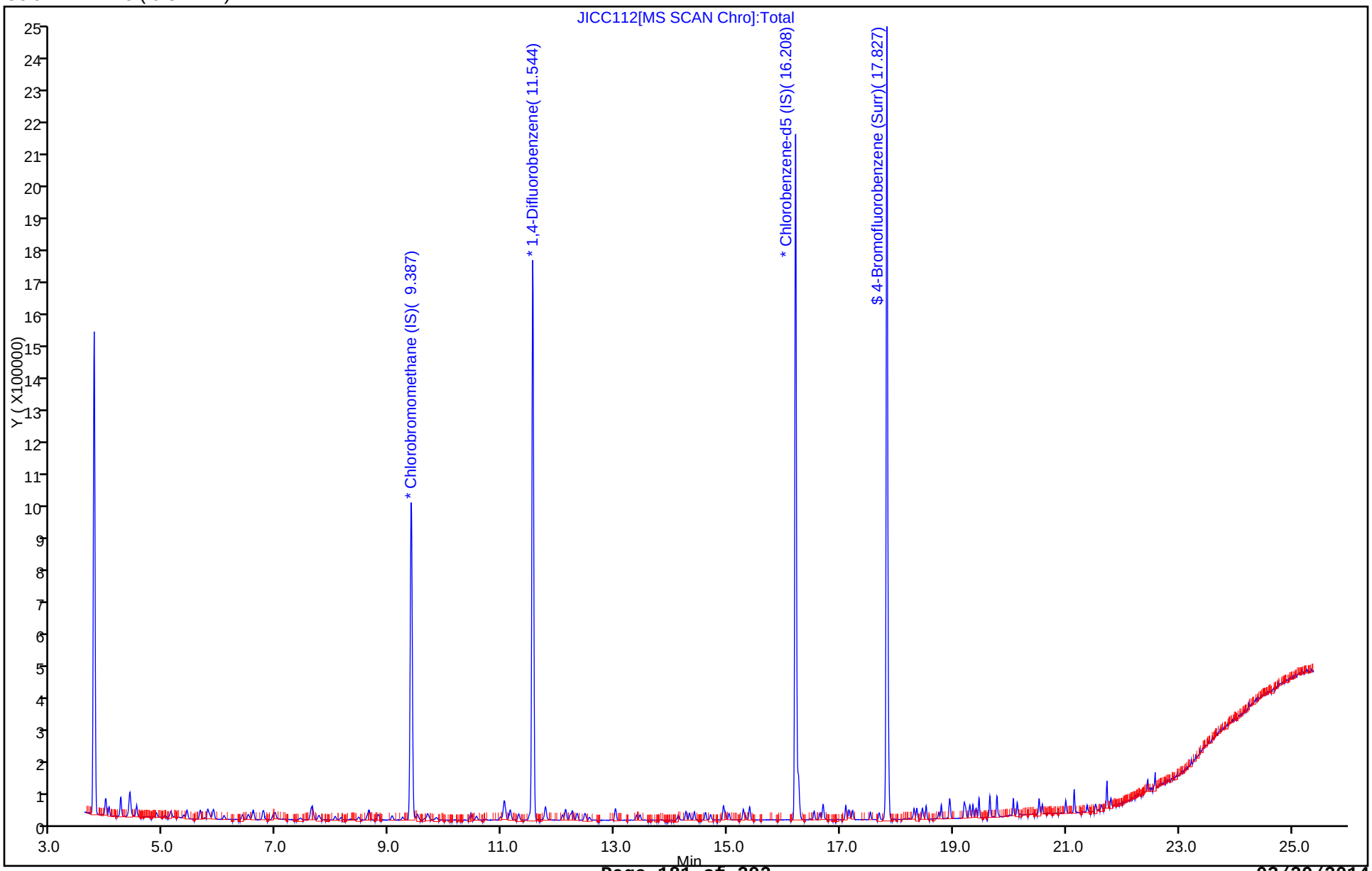
Report Date: 14-Mar-2014 14:45:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC112.D

Injection Date:	11-Mar-2014 13:35:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L2	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

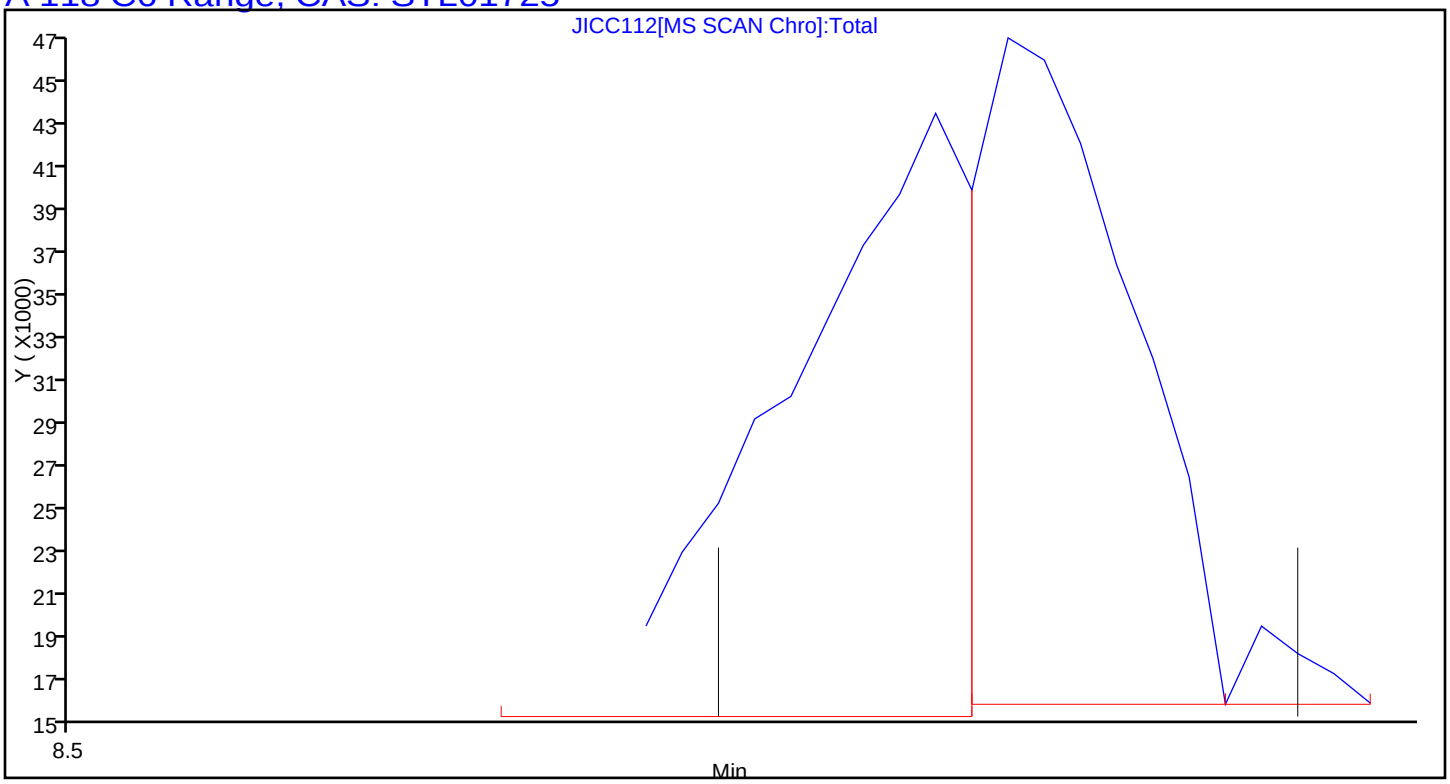


Report Date: 14-Mar-2014 14:45:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC112.D				
Injection Date:	11-Mar-2014 13:35:30	Instrument ID:	MJ		
Lims ID:	IC L2	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

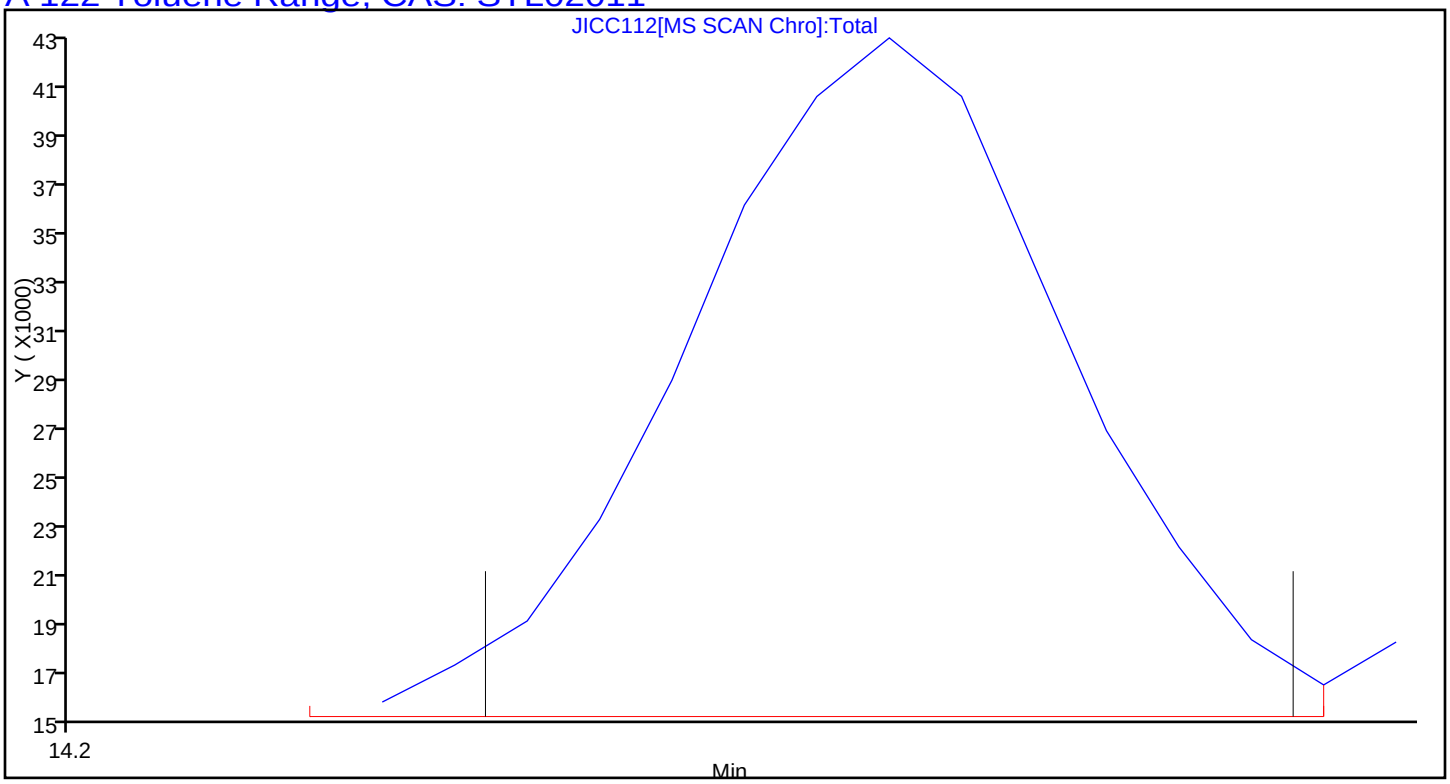


Report Date: 14-Mar-2014 14:45:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC112.D				
Injection Date:	11-Mar-2014 13:35:30	Instrument ID:	MJ		
Lims ID:	IC L2	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

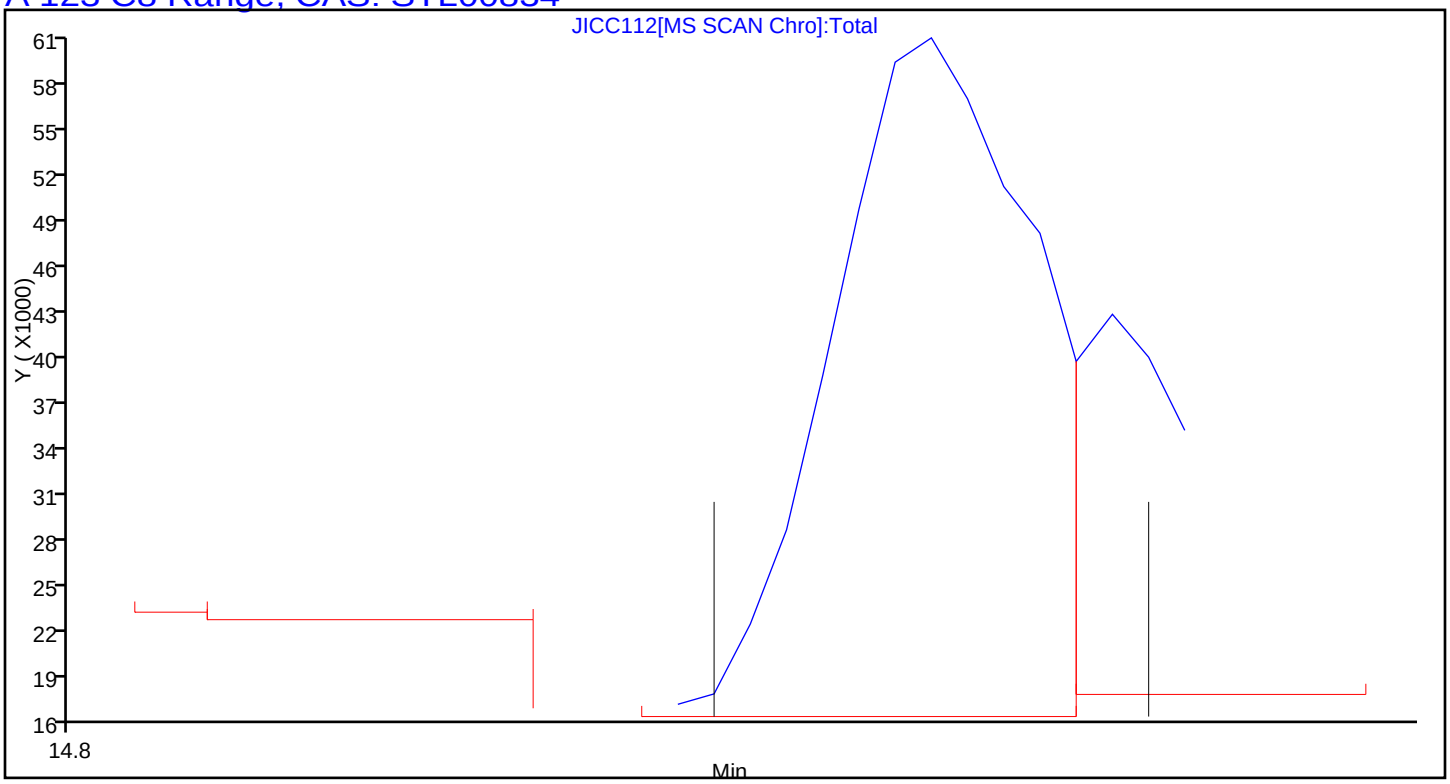


Report Date: 14-Mar-2014 14:45:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC112.D				
Injection Date:	11-Mar-2014 13:35:30	Instrument ID:	MJ		
Lims ID:	IC L2	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	8	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC113.D
Lims ID: IC L3 Lab Sample ID: Client 140-535/4-A
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Mar-2014 14:29:30 ALS Bottle#: 9 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL3,,1,3,,ICAL 0.16
Misc. Info.: J031114I,TO15,,140-0000516-004
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:45:45 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:45:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.388	9.392	-0.004	91	357314	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.547	-0.002	94	1704540	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.204	16.208	-0.004	87	1450555	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	90	1034797	4.03	
6 Chlorodifluoromethane	67	3.955	3.960	-0.005	92	7250	0.1966	
7 Propene	41	3.971	3.973	-0.002	99	22123	0.2019	
8 Dichlorodifluoromethane	85	4.025	4.029	-0.004	100	63957	0.1807	
9 Chloromethane	52	4.224	4.230	-0.006	60	7684	0.1911	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.234	4.238	-0.004	90	47157	0.1765	
11 Acetaldehyde	44	4.396	4.398	-0.002	98	35881	1.02	
12 Vinyl chloride	62	4.417	4.419	-0.002	87	24848	0.1876	
14 Butadiene	54	4.514	4.517	-0.003	85	17011	0.1848	
13 Butane	43	4.514	4.517	-0.003	87	35698	0.1894	
15 Bromomethane	94	4.869	4.871	-0.002	92	24480	0.1817	
16 Chloroethane	64	5.025	5.027	-0.002	78	11208	0.1839	
17 Ethanol	31	5.117	5.122	-0.005	94	27045	0.9428	
18 Vinyl bromide	106	5.353	5.357	-0.004	93	20665	0.1804	
19 2-Methylbutane	43	5.407	5.411	-0.004	93	29844	0.1967	
20 Trichlorofluoromethane	101	5.644	5.647	-0.003	96	56802	0.1827	
21 Acrolein	56	5.655	5.650	0.005	6	5224	0.1791	
22 Acetonitrile	40	5.719	5.720	-0.001	95	6174	0.1916	
23 Acetone	58	5.778	5.776	0.002	83	15375	0.3027	
24 Isopropyl alcohol	45	5.859	5.858	0.001	69	24457	0.1824	
25 Pentane	72	5.880	5.884	-0.004	93	3459	0.1799	
26 Ethyl ether	31	6.058	6.059	-0.001	88	17680	0.1891	
27 1,1-Dichloroethene	96	6.392	6.399	-0.007	94	17971	0.1791	
28 2-Methyl-2-propanol	59	6.488	6.487	0.001	91	30258	0.1831	
29 Acrylonitrile	53	6.499	6.498	0.001	44	9278	0.1747	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.585	6.586	-0.001	90	38956	0.1808	
31 Methylene Chloride	84	6.757	6.759	-0.002	93	19809	0.2072	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.768	6.778	-0.010	90	20200	0.2032	
33 Carbon disulfide	76	6.940	6.942	-0.002	97	61892	0.1841	
34 trans-1,2-Dichloroethene	96	7.607	7.609	-0.002	95	21641	0.1791	
35 2-Methylpentane	43	7.629	7.631	-0.002	93	51760	0.1877	
36 Methyl tert-butyl ether	73	7.742	7.738	0.004	93	33243	0.1823	
37 1,1-Dichloroethane	63	8.038	8.041	-0.003	90	36976	0.1961	
38 Vinyl acetate	43	8.140	8.141	-0.001	98	29176	0.1766	
39 2-Butanone (MEK)	72	8.608	8.601	0.007	94	5876	0.1737	
40 Hexane	56	8.635	8.642	-0.007	89	18317	0.1907	
41 cis-1,2-Dichloroethene	96	9.049	9.052	-0.003	85	20156	0.1954	
42 Ethyl acetate	43	9.227	9.229	-0.003	94	26903	0.1826	
43 Chloroform	83	9.399	9.403	-0.004	67	40765	0.1958	
44 Tetrahydrofuran	42	9.818	9.816	0.002	89	15807	0.1910	
45 1,1,1-Trichloroethane	97	10.448	10.450	-0.002	90	42198	0.1945	
46 1,2-Dichloroethane	62	10.544	10.547	-0.003	86	23652	0.1789	
47 n-Butanol	31	10.964	10.958	0.006	76	8551	0.2295	
48 Benzene	78	11.029	11.033	-0.004	95	53761	0.1838	
49 Cyclohexane	69	11.034	11.040	-0.006	89	10543	0.1827	
50 Carbon tetrachloride	117	11.056	11.059	-0.003	94	43678	0.1808	
51 2,3-Dimethylpentane	71	11.147	11.148	-0.001	88	12974	0.1880	
52 Thiophene	84	11.292	11.297	-0.005	92	34350	0.1902	
53 Isooctane	57	11.766	11.771	-0.005	97	97042	0.1943	
54 n-Heptane	71	12.126	12.130	-0.004	86	19608	0.1896	
55 1,2-Dichloropropane	63	12.212	12.214	-0.002	80	16678	0.1687	
56 Trichloroethene	130	12.250	12.252	-0.002	90	26470	0.1866	
57 Dibromomethane	93	12.330	12.332	-0.002	88	23612	0.1815	
59 Dichlorobromomethane	83	12.470	12.472	-0.002	93	35477	0.1719	
58 1,4-Dioxane	88	12.492	12.483	0.009	69	5872	0.1658	
60 Methyl methacrylate	41	12.546	12.548	-0.002	74	14809	0.1670	
61 Methylcyclohexane	83	13.014	13.013	0.001	94	37072	0.1883	
62 4-Methyl-2-pentanone (MIBK)	43	13.385	13.382	0.003	88	25379	0.1420	
63 cis-1,3-Dichloropropene	75	13.449	13.448	0.001	85	22640	0.1614	
64 trans-1,3-Dichloropropene	75	14.122	14.126	-0.004	83	20295	0.1688	
65 Toluene	91	14.262	14.262	0.0	91	47832	0.1778	
66 1,1,2-Trichloroethane	83	14.326	14.328	-0.002	91	14877	0.1744	
67 2-Methylthiophene	97	14.412	14.413	-0.001	91	42390	0.1753	
68 3-Methylthiophene	97	14.611	14.612	-0.001	86	42847	0.1766	
69 2-Hexanone	58	14.697	14.694	0.003	82	12124	0.1376	
70 n-Octane	85	14.929	14.928	0.001	90	17415	0.1764	
71 Chlorodibromomethane	129	15.026	15.027	-0.001	88	28336	0.1505	
72 Ethylene Dibromide	107	15.316	15.317	-0.001	80	24689	0.1689	
73 Tetrachloroethene	129	15.391	15.393	-0.002	85	22395	0.1786	
75 Chlorobenzene	112	16.252	16.256	-0.004	75	38702	0.1684	
74 2,3-Dimethylheptane	43	16.257	16.260	-0.003	94	53631	0.1810	
76 Ethylbenzene	91	16.532	16.536	-0.004	91	53929	0.1814	
77 2-Ethylthiophene	97	16.639	16.638	0.001	84	41218	0.1769	
78 m-Xylene & p-Xylene	91	16.693	16.696	-0.003	100	83497	0.3481	
79 n-Nonane	57	17.097	17.098	-0.001	91	29027	0.1555	
81 Bromoform	173	17.145	17.149	-0.004	80	19445	0.1308	
80 Styrene	104	17.156	17.157	-0.001	89	24244	0.1472	
82 o-Xylene	91	17.220	17.220	0.0	89	45016	0.1851	
83 1,1,2,2-Tetrachloroethane	83	17.532	17.534	-0.002	94	30304	0.1525	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.694	17.690	0.004	90	7573	0.1590	
85 Isopropylbenzene	105	17.791	17.793	-0.002	86	60842	0.1756	
86 N-Propylbenzene	120	18.312	18.310	0.002	96	14173	0.1551	
87 2-Chlorotoluene	126	18.355	18.357	-0.002	89	15581	0.1634	
88 4-Ethyltoluene	105	18.452	18.454	-0.002	94	51618	0.1598	
89 1,3,5-Trimethylbenzene	120	18.522	18.524	-0.002	89	24966	0.1537	
90 Alpha Methyl Styrene	118	18.743	18.745	-0.002	78	14480	0.1244	
91 n-Decane	57	18.791	18.793	-0.002	86	30213	0.1519	
92 tert-Butylbenzene	119	18.936	18.937	-0.001	87	47790	0.1507	
93 1,2,4-Trimethylbenzene	105	18.947	18.949	-0.002	86	41818	0.1484	
94 sec-Butylbenzene	105	19.195	19.196	-0.001	95	61653	0.1491	
95 1,3-Dichlorobenzene	146	19.216	19.217	-0.001	94	26725	0.1443	
96 Benzyl chloride	91	19.286	19.288	-0.002	95	30711	0.1460	
97 1,4-Dichlorobenzene	146	19.302	19.302	0.0	89	24804	0.1439	
98 4-Isopropyltoluene	119	19.351	19.352	-0.001	80	47097	0.1421	
99 1,2,3-Trimethylbenzene	105	19.410	19.409	0.001	91	35544	0.1548	
100 Butylcyclohexane	83	19.458	19.460	-0.002	89	39782	0.1518	
101 2,3-Dihydroindene	117	19.652	19.653	-0.001	87	37844	0.1470	
102 1,2-Dichlorobenzene	146	19.652	19.653	-0.001	79	25655	0.1417	
103 n-Butylbenzene	91	19.776	19.777	-0.001	94	44913	0.1460	
104 Indene	116	19.781	19.781	0.0	83	31046	0.1380	
105 Undecane	57	20.066	20.068	-0.002	92	30780	0.1536	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.136	20.138	-0.002	91	42402	0.1364	
108 1,2,4,5-Tetramethylbenzene	119	20.523	20.525	-0.002	93	45438	0.1455	
107 1,2,3,5-Tetramethylbenzene	119	20.583	20.582	0.001	89	30265	0.1485	
109 1,2,3,4-Tetramethylbenzene	119	20.997	20.998	-0.001	89	37074	0.1468	
110 Dodecane	57	21.147	21.148	-0.001	89	33803	0.1629	
111 1,2,4-Trichlorobenzene	180	21.379	21.379	0.0	74	10877	0.1350	
112 Naphthalene	128	21.524	21.527	-0.003	95	30193	0.1323	
113 Benzo(b)thiophene	134	21.632	21.631	0.001	80	19240	0.1244	
114 Hexachlorobutadiene	225	21.728	21.729	-0.001	79	23861	0.1449	
115 1,2,3-Trichlorobenzene	180	21.798	21.800	-0.002	85	14621	0.1404	
116 2-Methylnaphthalene	142	22.449	22.449	0.0	89	21725	0.8950	
117 1-Methylnaphthalene	142	22.584	22.583	0.001	92	25220	1.01	
139 Isopropyl ether	45	8.796	8.794	0.002	93	44609	NR	
142 Tert-butyl ethyl ether	59	9.485	9.487	-0.002	93	40755	NR	
140 Tert-amyl methyl ether	73	11.486	11.482	0.004	74	38761	NR	
A 118 C6 Range	1	8.640	8.586 -	8.694	0	202396	0.1940	
A 122 Toluene Range	1	14.262	14.232 -	14.292	0	134690	0.2054	
A 123 C8 Range	1	14.923	14.886 -	14.961	0	242838	0.2390	
S 124 Xylenes, Total	100				0		0.5333	

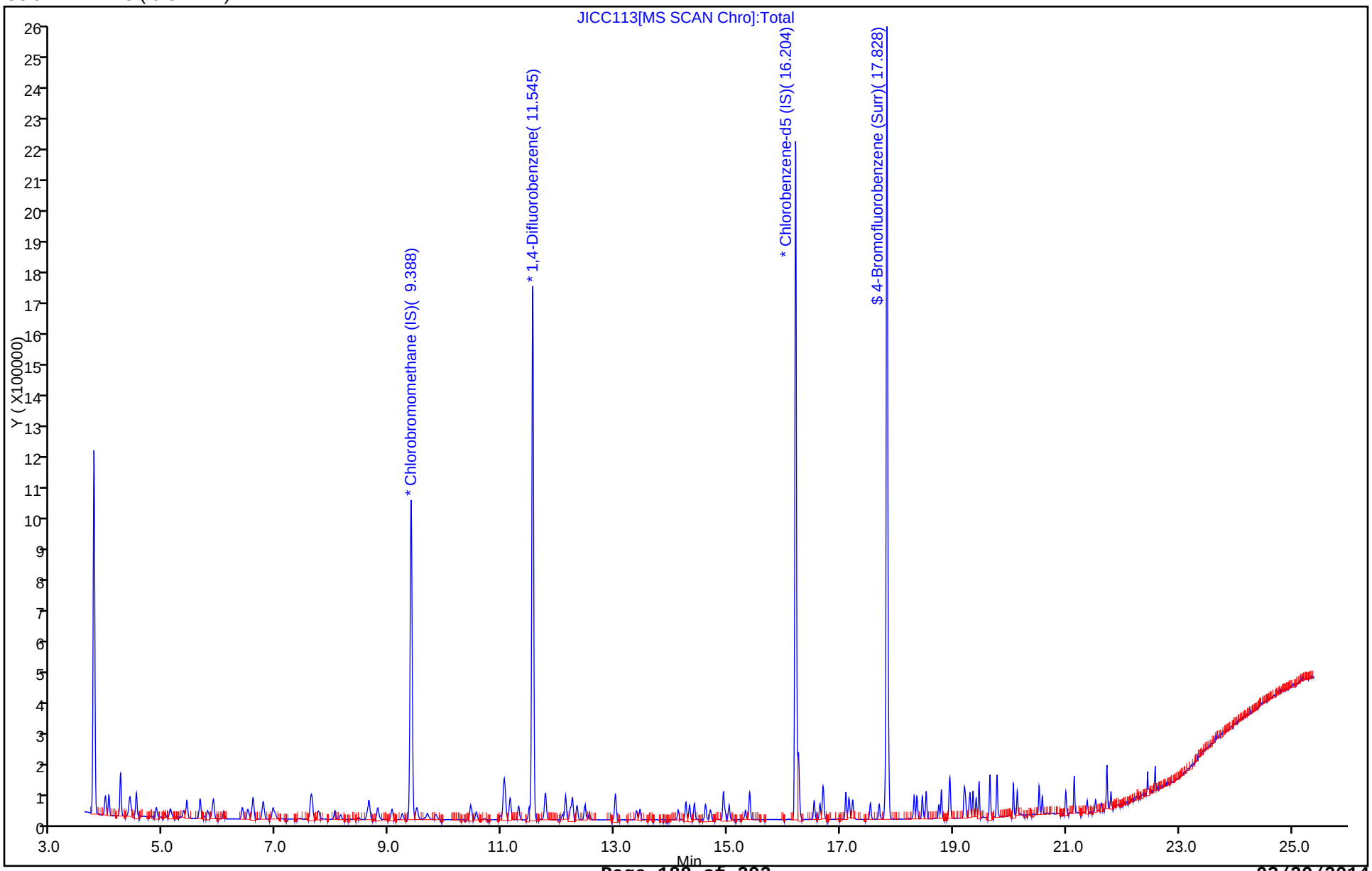
Report Date: 14-Mar-2014 14:45:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC113.D

Injection Date:	11-Mar-2014 14:29:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L3	Lab Sample ID:	Client 140-535/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

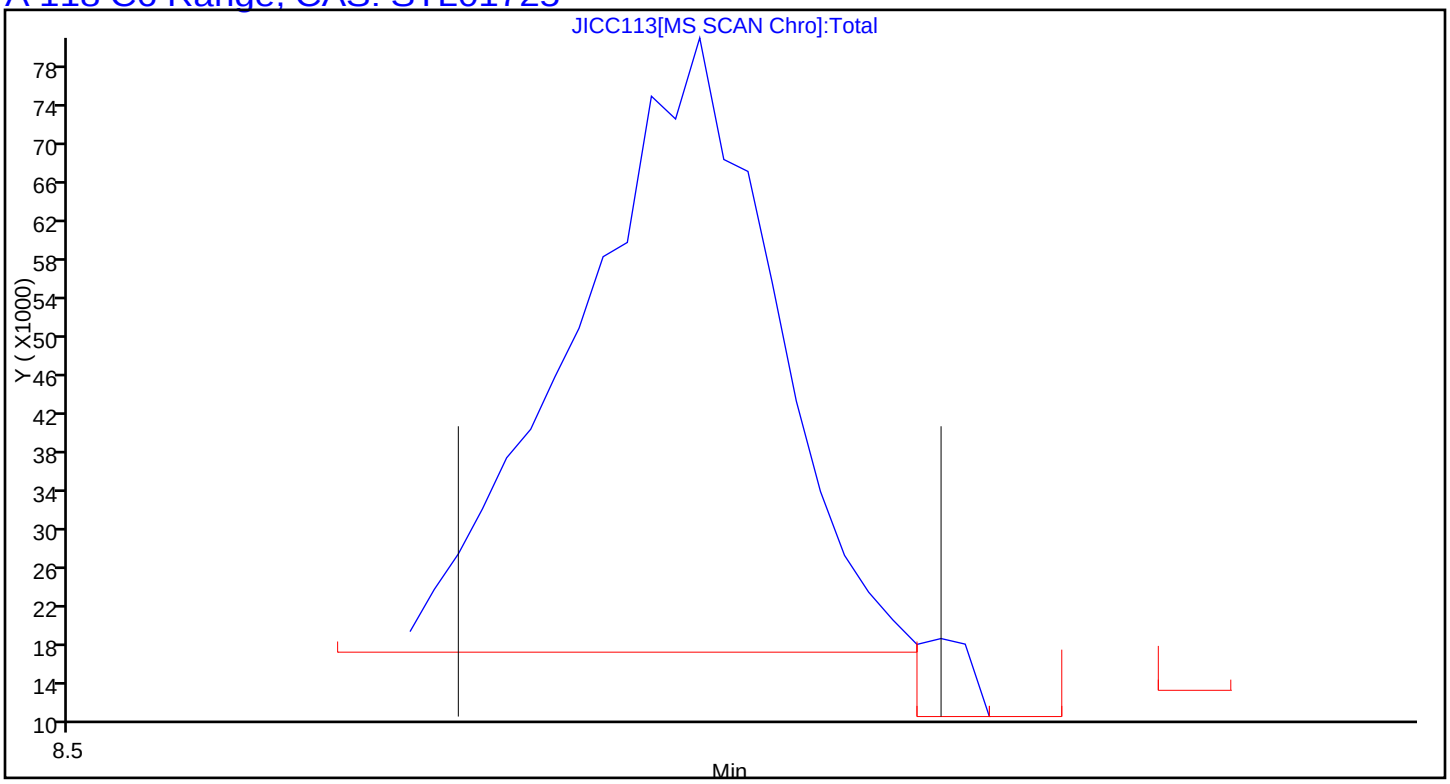


Report Date: 14-Mar-2014 14:45:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC113.D				
Injection Date:	11-Mar-2014 14:29:30	Instrument ID:	MJ		
Lims ID:	IC L3	Lab Sample ID:	Client 140-535/4-A		
Client ID:					
Operator ID:	7126	ALS Bottle#:	9	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

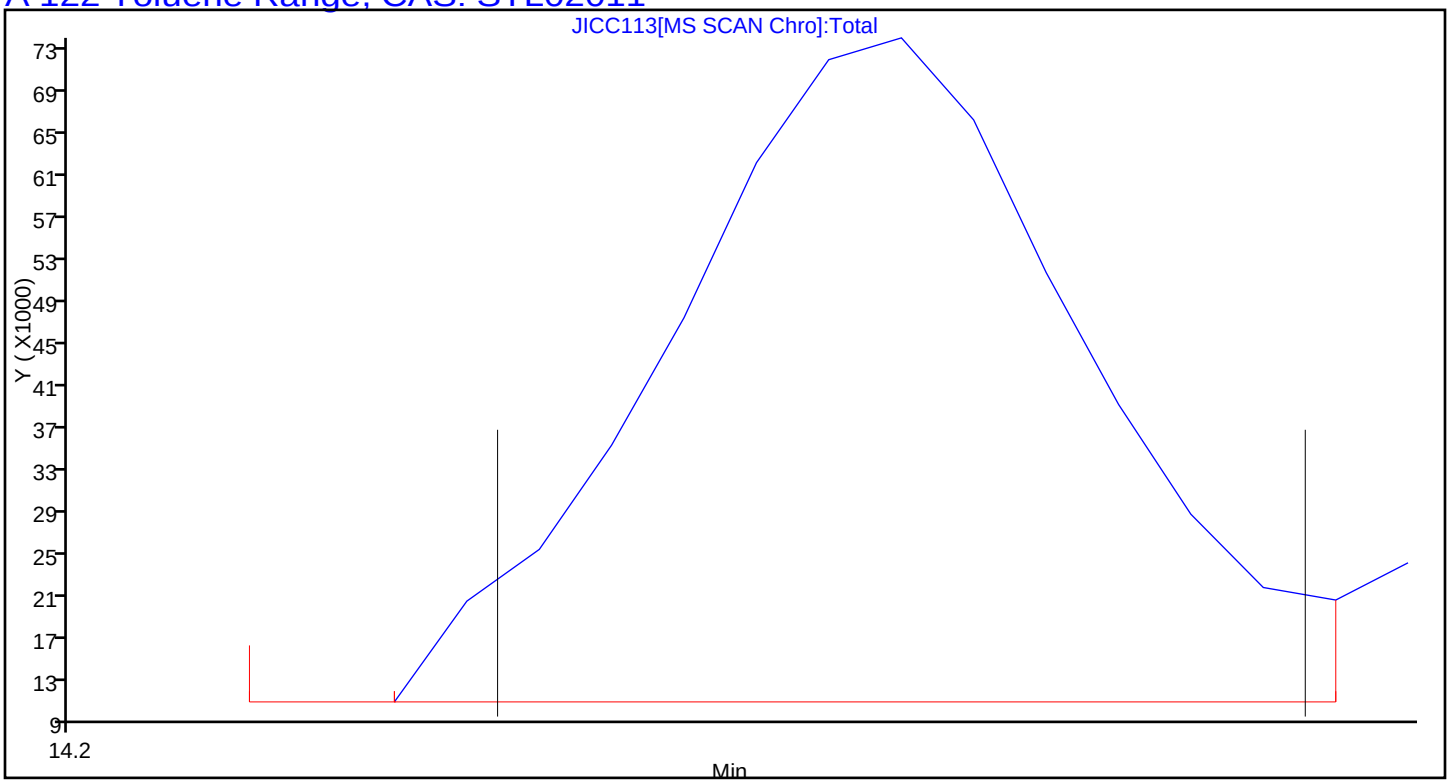


Report Date: 14-Mar-2014 14:45:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC113.D				
Injection Date:	11-Mar-2014 14:29:30	Instrument ID:	MJ		
Lims ID:	IC L3	Lab Sample ID:	Client 140-535/4-A		
Client ID:					
Operator ID:	7126	ALS Bottle#:	9	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

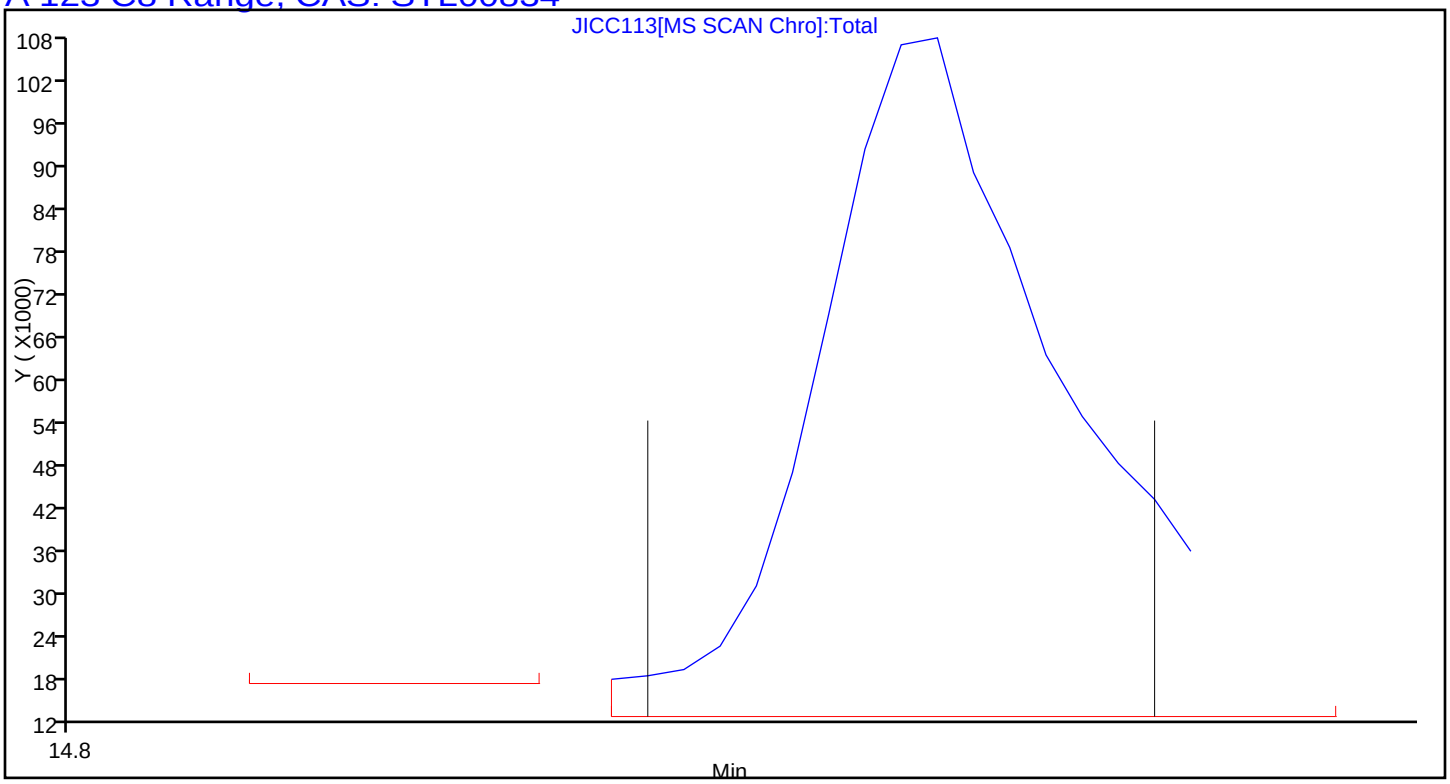


Report Date: 14-Mar-2014 14:45:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC113.D				
Injection Date:	11-Mar-2014 14:29:30	Instrument ID:	MJ		
Lims ID:	IC L3	Lab Sample ID:	Client 140-535/4-A		
Client ID:					
Operator ID:	7126	ALS Bottle#:	9	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC114.D
Lims ID: IC L4 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Mar-2014 15:23:30 ALS Bottle#: 10 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL4,,1,4,,ICAL 0.4
Misc. Info.: J031114I,TO15,,140-0000516-005
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:45:29 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:45:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.390	9.392	-0.002	93	343740	4.00	
* 2 1,4-Difluorobenzene	114	11.547	11.547	0.0	94	1630205	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.205	16.208	-0.003	87	1321433	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	90	911404	3.90	
6 Chlorodifluoromethane	67	3.962	3.960	0.002	96	13846	0.3903	
7 Propene	41	3.972	3.973	-0.001	99	44922	0.4262	
8 Dichlorodifluoromethane	85	4.032	4.029	0.003	100	134818	0.3960	
9 Chloromethane	52	4.231	4.230	0.001	100	15228	0.3937	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.236	4.238	-0.002	92	93560	0.3641	
11 Acetaldehyde	44	4.397	4.398	-0.001	99	64164	1.89	
12 Vinyl chloride	62	4.419	4.419	0.0	98	51116	0.4011	
14 Butadiene	54	4.516	4.517	-0.001	65	35435	0.4002	
13 Butane	43	4.516	4.517	-0.001	86	71879	0.3963	
15 Bromomethane	94	4.871	4.871	0.0	94	50293	0.3880	
16 Chloroethane	64	5.027	5.027	0.0	98	23148	0.3949	
17 Ethanol	31	5.118	5.122	-0.004	94	58098	2.11	
18 Vinyl bromide	106	5.355	5.357	-0.002	94	42200	0.3828	
19 2-Methylbutane	43	5.414	5.411	0.003	91	57096	0.3911	
20 Trichlorofluoromethane	101	5.645	5.647	-0.002	97	116368	0.3890	
21 Acrolein	56	5.651	5.650	0.001	19	8002	0.2852	
22 Acetonitrile	40	5.721	5.720	0.001	99	11328	0.3655	
23 Acetone	58	5.775	5.776	-0.001	83	24784	0.5072	
24 Isopropyl alcohol	45	5.855	5.858	-0.003	94	52512	0.4070	
25 Pentane	72	5.882	5.884	-0.002	95	7244	0.3917	
26 Ethyl ether	31	6.065	6.059	0.006	90	29228	0.3250	
27 1,1-Dichloroethene	96	6.399	6.399	0.0	96	36039	0.3735	
28 2-Methyl-2-propanol	59	6.485	6.487	-0.002	93	66363	0.4175	
29 Acrylonitrile	53	6.495	6.498	-0.003	93	15228	0.2981	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.587	6.586	0.001	93	79676	0.3844	
31 Methylene Chloride	84	6.759	6.759	0.0	94	36329	0.3951	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.775	6.778	-0.003	91	35748	0.3737	
33 Carbon disulfide	76	6.942	6.942	0.0	99	124614	0.3854	
34 trans-1,2-Dichloroethene	96	7.604	7.609	-0.005	96	43537	0.3746	
35 2-Methylpentane	43	7.630	7.631	-0.001	94	102693	0.3872	
36 Methyl tert-butyl ether	73	7.738	7.738	0.0	95	59586	0.3396	
37 1,1-Dichloroethane	63	8.039	8.041	-0.002	96	65235	0.3596	
38 Vinyl acetate	43	8.142	8.141	0.001	99	48718	0.3066	
39 2-Butanone (MEK)	72	8.604	8.601	0.003	78	11813	0.3631	
40 Hexane	56	8.636	8.642	-0.006	87	34438	0.3727	
41 cis-1,2-Dichloroethene	96	9.051	9.052	-0.001	93	35319	0.3559	
42 Ethyl acetate	43	9.228	9.229	-0.001	95	46769	0.3300	
43 Chloroform	83	9.400	9.403	-0.003	80	71523	0.3571	
44 Tetrahydrofuran	42	9.815	9.816	-0.001	93	27476	0.3451	
45 1,1,1-Trichloroethane	97	10.449	10.450	-0.001	96	75903	0.3636	
46 1,2-Dichloroethane	62	10.546	10.547	-0.001	94	43695	0.3455	
47 n-Butanol	31	10.960	10.958	0.002	94	14706	0.4127	
48 Benzene	78	11.030	11.033	-0.003	96	97096	0.3471	
49 Cyclohexane	69	11.036	11.040	-0.004	93	20873	0.3782	
50 Carbon tetrachloride	117	11.057	11.059	-0.002	94	84912	0.3675	
51 2,3-Dimethylpentane	71	11.143	11.148	-0.005	91	23214	0.3518	
52 Thiophene	84	11.294	11.297	-0.003	93	60186	0.3484	
53 Isooctane	57	11.767	11.771	-0.004	97	173617	0.3635	
54 n-Heptane	71	12.128	12.130	-0.002	91	33732	0.3410	
55 1,2-Dichloropropane	63	12.214	12.214	0.0	84	30869	0.3265	
56 Trichloroethene	130	12.246	12.252	-0.006	95	46631	0.3437	
57 Dibromomethane	93	12.332	12.332	0.0	88	41095	0.3303	
59 Dichlorobromomethane	83	12.472	12.472	0.0	97	63861	0.3235	
58 1,4-Dioxane	88	12.483	12.483	0.0	45	11964	0.3532	
60 Methyl methacrylate	41	12.547	12.548	-0.001	84	24813	0.2925	
61 Methylcyclohexane	83	13.010	13.013	-0.003	95	65787	0.3494	
62 4-Methyl-2-pentanone (MIBK)	43	13.381	13.382	-0.001	93	52154	0.3052	
63 cis-1,3-Dichloropropene	75	13.446	13.448	-0.002	93	42126	0.3141	
64 trans-1,3-Dichloropropene	75	14.124	14.126	-0.002	92	35040	0.3200	
65 Toluene	91	14.258	14.262	-0.004	93	79532	0.3244	
66 1,1,2-Trichloroethane	83	14.328	14.328	0.0	95	26153	0.3366	
67 2-Methylthiophene	97	14.409	14.413	-0.004	95	73689	0.3345	
68 3-Methylthiophene	97	14.608	14.612	-0.004	94	73553	0.3328	
69 2-Hexanone	58	14.694	14.694	0.0	88	25873	0.3222	
70 n-Octane	85	14.925	14.928	-0.003	93	31719	0.3527	
71 Chlorodibromomethane	129	15.027	15.027	0.0	94	54305	0.3167	
72 Ethylene Dibromide	107	15.318	15.317	0.001	89	42940	0.3225	
73 Tetrachloroethene	129	15.393	15.393	0.0	90	38555	0.3376	
75 Chlorobenzene	112	16.254	16.256	-0.002	66	67168	0.3208	
74 2,3-Dimethylheptane	43	16.259	16.260	-0.001	95	107761	0.3992	
76 Ethylbenzene	91	16.534	16.536	-0.002	97	85699	0.3165	
77 2-Ethylthiophene	97	16.636	16.638	-0.002	91	66902	0.3153	
78 m-Xylene & p-Xylene	91	16.695	16.696	-0.001	99	133531	0.6111	
79 n-Nonane	57	17.098	17.098	0.0	93	57485	0.3381	
81 Bromoform	173	17.147	17.149	-0.002	92	36819	0.2718	
80 Styrene	104	17.158	17.157	0.001	95	41766	0.2783	
82 o-Xylene	91	17.217	17.220	-0.003	94	72917	0.3292	
83 1,1,2,2-Tetrachloroethane	83	17.534	17.534	0.0	97	58192	0.3215	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.690	17.690	0.0	95	13592	0.3132	
85 Isopropylbenzene	105	17.792	17.793	-0.001	83	100706	0.3191	
86 N-Propylbenzene	120	18.309	18.310	-0.001	97	24502	0.2944	
87 2-Chlorotoluene	126	18.357	18.357	0.0	94	26819	0.3088	
88 4-Ethyltoluene	105	18.454	18.454	0.0	96	89983	0.3057	
89 1,3,5-Trimethylbenzene	120	18.524	18.524	0.0	91	45307	0.3062	
90 Alpha Methyl Styrene	118	18.744	18.745	-0.001	81	27470	0.2591	
91 n-Decane	57	18.793	18.793	0.0	87	56293	0.3107	
92 tert-Butylbenzene	119	18.933	18.937	-0.004	83	89301	0.3090	
93 1,2,4-Trimethylbenzene	105	18.949	18.949	0.0	90	76446	0.2979	
94 sec-Butylbenzene	105	19.196	19.196	0.0	96	115821	0.3075	
95 1,3-Dichlorobenzene	146	19.218	19.217	0.001	96	46329	0.2747	
96 Benzyl chloride	91	19.288	19.288	0.0	95	52876	0.2759	
97 1,4-Dichlorobenzene	146	19.299	19.302	-0.003	92	43546	0.2774	
98 4-Isopropyltoluene	119	19.352	19.352	0.0	81	90008	0.2981	
99 1,2,3-Trimethylbenzene	105	19.406	19.409	-0.003	97	68250	0.3264	
100 Butylcyclohexane	83	19.460	19.460	0.0	91	78686	0.3297	
101 2,3-Dihydroindene	117	19.654	19.653	0.001	89	70569	0.3010	
102 1,2-Dichlorobenzene	146	19.654	19.653	0.001	78	46356	0.2810	
103 n-Butylbenzene	91	19.777	19.777	0.0	96	79971	0.2854	
104 Indene	116	19.777	19.781	-0.004	83	57358	0.2800	
105 Undecane	57	20.068	20.068	0.0	95	59319	0.3250	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.138	20.138	0.0	93	80666	0.2849	
108 1,2,4,5-Tetramethylbenzene	119	20.525	20.525	0.0	96	89023	0.3130	
107 1,2,3,5-Tetramethylbenzene	119	20.579	20.582	-0.003	93	56702	0.3054	
109 1,2,3,4-Tetramethylbenzene	119	20.998	20.998	0.0	95	74166	0.3224	
110 Dodecane	57	21.149	21.148	0.001	92	65545	0.3468	
111 1,2,4-Trichlorobenzene	180	21.380	21.379	0.001	88	21000	0.2861	
112 Naphthalene	128	21.526	21.527	-0.001	98	60395	0.2905	
113 Benzo(b)thiophene	134	21.633	21.631	0.002	90	38727	0.2749	
114 Hexachlorobutadiene	225	21.730	21.729	0.001	83	45108	0.3008	
115 1,2,3-Trichlorobenzene	180	21.800	21.800	0.0	93	29244	0.3083	
116 2-Methylnaphthalene	142	22.451	22.449	0.002	97	47754	2.16	
117 1-Methylnaphthalene	142	22.585	22.583	0.002	97	56061	2.46	
139 Isopropyl ether	45	8.792	8.794	-0.002	96	82128	NR	
142 Tert-butyl ethyl ether	59	9.486	9.487	-0.001	93	74941	NR	
140 Tert-amyl methyl ether	73	11.482	11.482	0.0	76	70041	NR	
A 118 C6 Range	1	8.642	8.588 -	8.696	0	410756	0.4093	
A 122 Toluene Range	1	14.258	14.228 -	14.288	0	190190	0.3183	
A 123 C8 Range	1	14.925	14.882 -	14.968	0	360891	0.3898	
S 124 Xylenes, Total	100				0		0.9404	

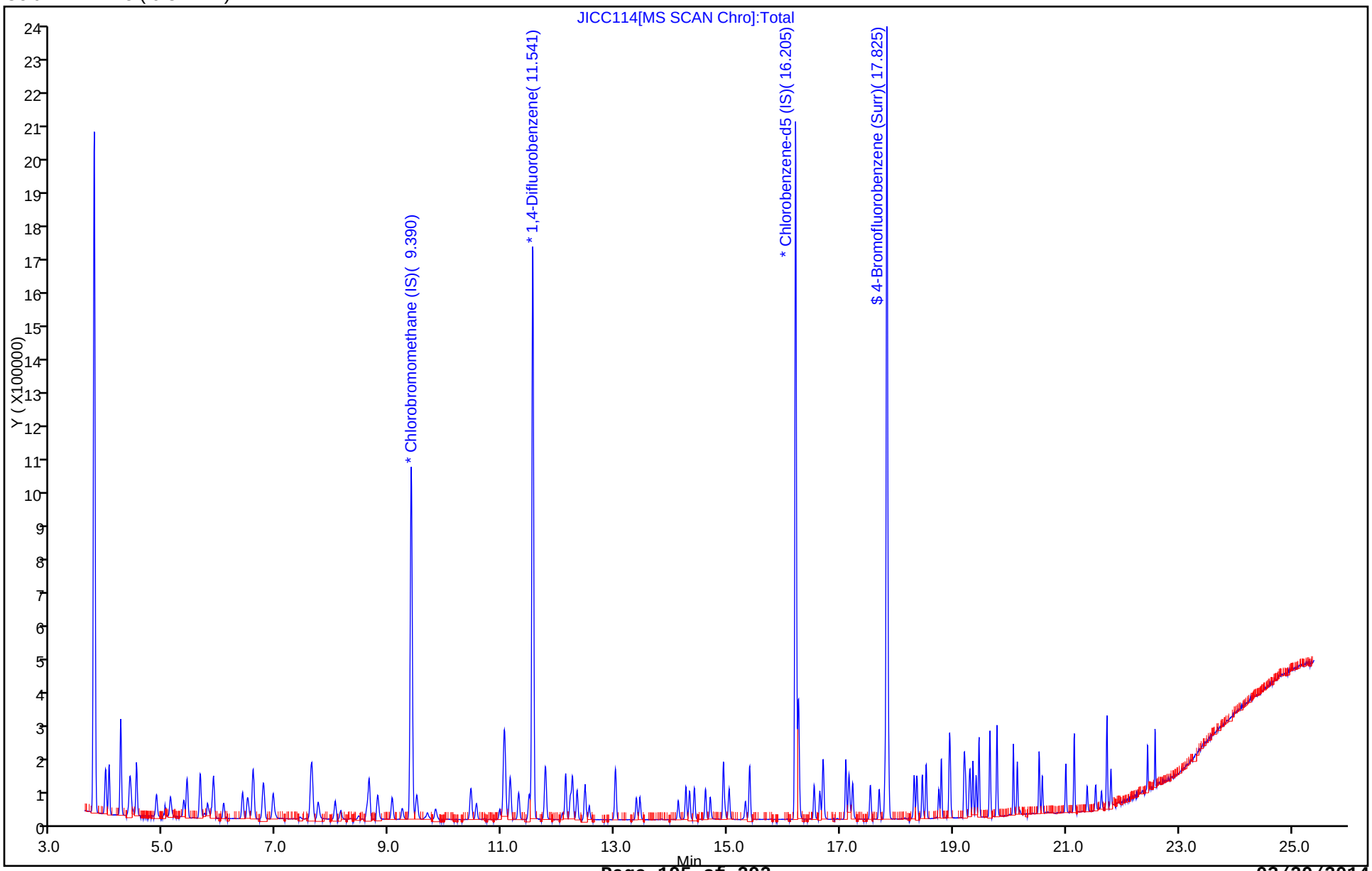
Report Date: 14-Mar-2014 14:45:29 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC114.D

Injection Date:	11-Mar-2014 15:23:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L4	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

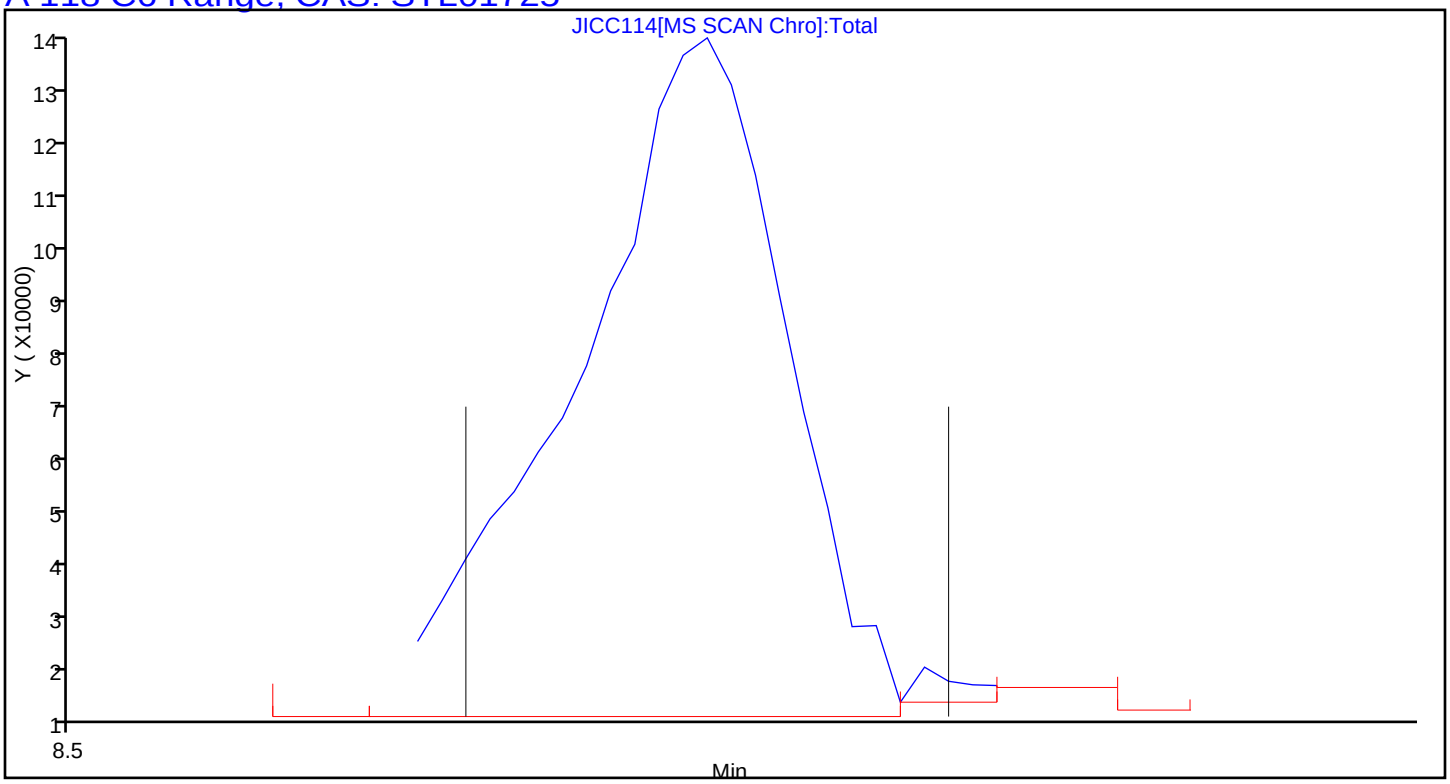


Report Date: 14-Mar-2014 14:45:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC114.D				
Injection Date:	11-Mar-2014 15:23:30	Instrument ID:	MJ		
Lims ID:	IC L4	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

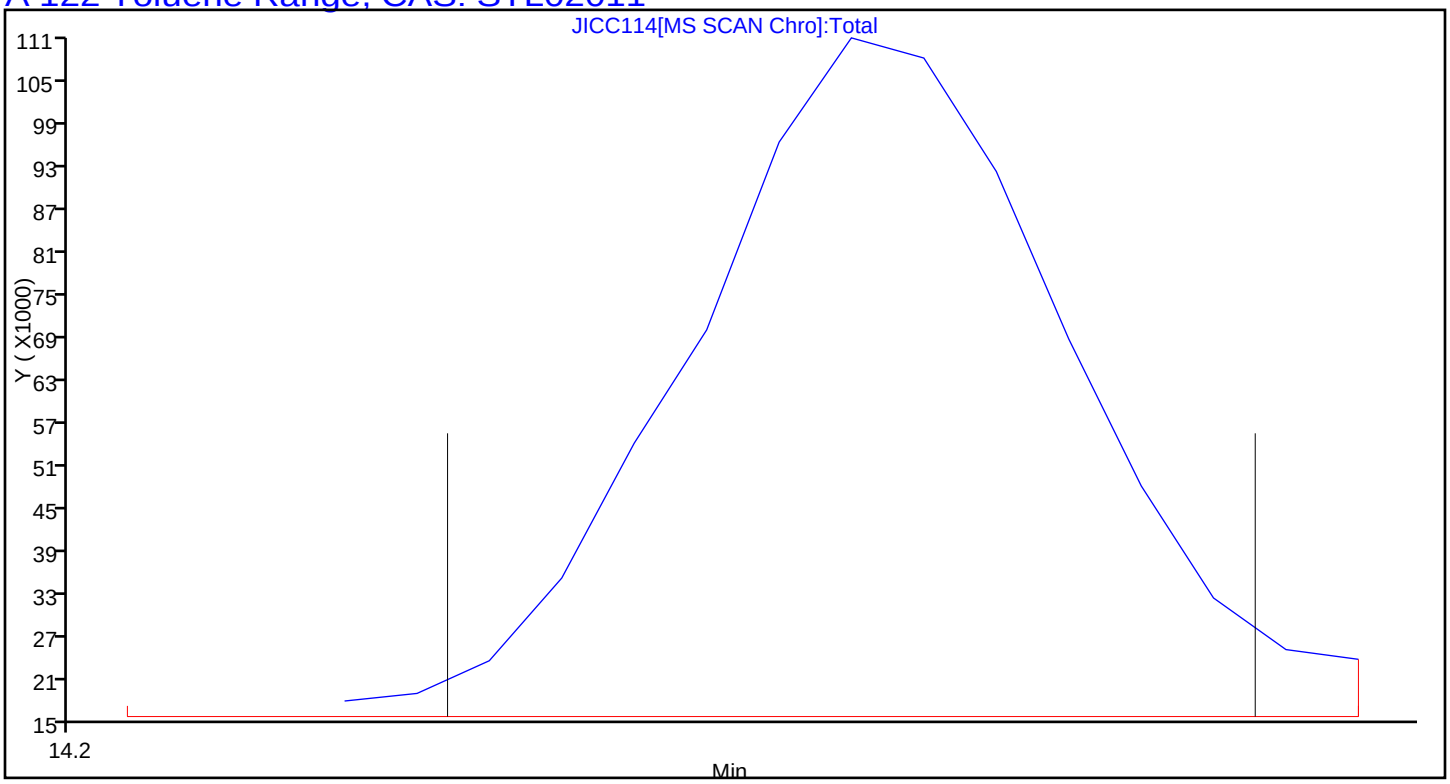


Report Date: 14-Mar-2014 14:45:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC114.D				
Injection Date:	11-Mar-2014 15:23:30	Instrument ID:	MJ		
Lims ID:	IC L4	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

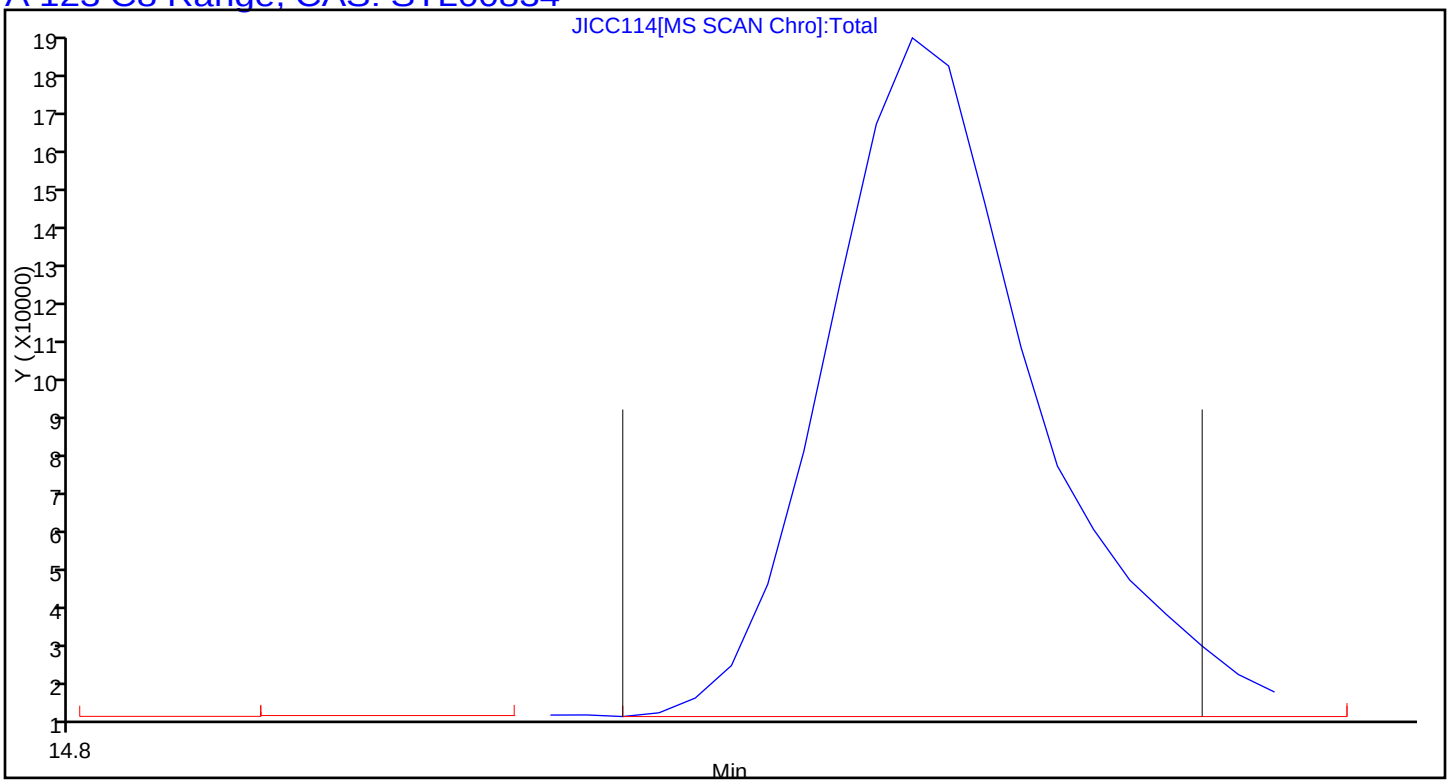


Report Date: 14-Mar-2014 14:45:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC114.D				
Injection Date:	11-Mar-2014 15:23:30	Instrument ID:	MJ		
Lims ID:	IC L4	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	10	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC115.D
Lims ID: IC L5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Mar-2014 16:17:30 ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL5,,1,5,,ICAL 1
Misc. Info.: J031114I,TO15,,140-0000516-006
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:45:15 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:45:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.393	9.392	0.001	93	350674	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.547	-0.002	93	1674047	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.209	16.208	0.001	86	1432884	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	90	1030162	4.06	
6 Chlorodifluoromethane	67	3.960	3.960	0.0	97	32729	0.9044	
7 Propene	41	3.976	3.973	0.003	99	107699	1.00	
8 Dichlorodifluoromethane	85	4.030	4.029	0.001	100	334566	0.9632	
9 Chloromethane	52	4.229	4.230	-0.001	98	37407	0.9480	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.240	4.238	0.002	91	251641	0.9599	
11 Acetaldehyde	44	4.396	4.398	-0.002	99	194092	5.61	
12 Vinyl chloride	62	4.417	4.419	-0.002	98	125449	0.9650	
14 Butadiene	54	4.514	4.517	-0.003	90	87385	0.9674	
13 Butane	43	4.519	4.517	0.002	86	173714	0.9389	
15 Bromomethane	94	4.874	4.871	0.003	98	123346	0.9329	
16 Chloroethane	64	5.025	5.027	-0.002	98	56692	0.9479	
17 Ethanol	31	5.117	5.122	-0.005	95	144711	5.14	
18 Vinyl bromide	106	5.359	5.357	0.002	97	105872	0.9415	
19 2-Methylbutane	43	5.412	5.411	0.001	92	140258	0.9417	
20 Trichlorofluoromethane	101	5.649	5.647	0.002	97	292818	0.9596	
21 Acrolein	56	5.649	5.650	-0.001	24	27013	0.9436	
22 Acetonitrile	40	5.719	5.720	-0.001	100	29505	0.9331	
23 Acetone	58	5.773	5.776	-0.003	85	72907	1.46	
24 Isopropyl alcohol	45	5.854	5.858	-0.004	96	127722	0.9703	
25 Pentane	72	5.886	5.884	0.002	96	18413	0.9759	
26 Ethyl ether	31	6.058	6.059	-0.001	93	94508	1.03	
27 1,1-Dichloroethene	96	6.402	6.399	0.003	97	90818	0.9225	
28 2-Methyl-2-propanol	59	6.478	6.487	-0.009	95	154458	0.9526	
29 Acrylonitrile	53	6.499	6.498	0.001	93	49792	0.9554	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.585	6.586	-0.001	94	201012	0.9507	
31 Methylene Chloride	84	6.757	6.759	-0.002	96	89695	0.9561	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.779	6.778	0.001	94	90749	0.9300	
33 Carbon disulfide	76	6.940	6.942	-0.002	99	313388	0.9500	
34 trans-1,2-Dichloroethene	96	7.613	7.609	0.004	98	110071	0.9282	
35 2-Methylpentane	43	7.629	7.631	-0.002	95	259682	0.9597	
36 Methyl tert-butyl ether	73	7.736	7.738	-0.002	95	180801	1.01	
37 1,1-Dichloroethane	63	8.043	8.041	0.002	100	183945	0.99	
38 Vinyl acetate	43	8.140	8.141	-0.001	100	159904	0.9863	
39 2-Butanone (MEK)	72	8.597	8.601	-0.004	99	35887	1.08	
40 Hexane	56	8.640	8.642	-0.002	89	89704	0.9515	
41 cis-1,2-Dichloroethene	96	9.054	9.052	0.002	95	100896	1.00	
42 Ethyl acetate	43	9.226	9.229	-0.003	97	144504	1.00	
43 Chloroform	83	9.404	9.403	0.001	87	200359	0.9806	
44 Tetrahydrofuran	42	9.813	9.816	-0.003	93	78446	0.9658	
45 1,1,1-Trichloroethane	97	10.448	10.450	-0.002	96	216140	1.01	
46 1,2-Dichloroethane	62	10.544	10.547	-0.003	96	125298	0.9648	
47 n-Butanol	31	10.953	10.958	-0.005	84	30453	0.8322	
48 Benzene	78	11.034	11.033	0.001	97	273136	0.9509	
49 Cyclohexane	69	11.039	11.040	-0.001	93	54874	0.9681	
50 Carbon tetrachloride	117	11.061	11.059	0.002	97	236385	1.00	
51 2,3-Dimethylpentane	71	11.147	11.148	-0.001	91	65875	0.9721	
52 Thiophene	84	11.298	11.297	0.001	96	173039	0.9755	
53 Isooctane	57	11.771	11.771	0.0	98	474988	0.9685	
54 n-Heptane	71	12.131	12.130	0.001	93	96771	0.9527	
55 1,2-Dichloropropane	63	12.212	12.214	-0.002	88	95014	0.9787	
56 Trichloroethene	130	12.250	12.252	-0.002	97	128335	0.9210	
57 Dibromomethane	93	12.330	12.332	-0.002	91	121268	0.9492	
59 Dichlorobromomethane	83	12.470	12.472	-0.002	98	190788	0.9411	
58 1,4-Dioxane	88	12.481	12.483	-0.002	87	31775	0.9134	
60 Methyl methacrylate	41	12.546	12.548	-0.002	90	82170	0.9434	
61 Methylcyclohexane	83	13.014	13.013	0.001	95	188580	0.9754	
62 4-Methyl-2-pentanone (MIBK)	43	13.379	13.382	-0.003	98	163854	0.9338	
63 cis-1,3-Dichloropropene	75	13.449	13.448	0.001	95	131004	0.9512	
64 trans-1,3-Dichloropropene	75	14.127	14.126	0.001	98	117538	0.9899	
65 Toluene	91	14.262	14.262	0.0	93	264651	1.00	
66 1,1,2-Trichloroethane	83	14.326	14.328	-0.002	96	84373	1.00	
67 2-Methylthiophene	97	14.412	14.413	-0.001	98	237579	0.99	
68 3-Methylthiophene	97	14.611	14.612	-0.001	99	241139	1.01	
69 2-Hexanone	58	14.692	14.694	-0.002	92	79350	0.9114	
70 n-Octane	85	14.929	14.928	0.001	94	94899	0.9730	
71 Chlorodibromomethane	129	15.026	15.027	-0.001	96	174527	0.9386	
72 Ethylene Dibromide	107	15.316	15.317	-0.001	97	142171	0.9847	
73 Tetrachloroethene	129	15.391	15.393	-0.002	92	112818	0.9111	
75 Chlorobenzene	112	16.257	16.256	0.001	84	213586	0.9406	
74 2,3-Dimethylheptane	43	16.257	16.260	-0.003	95	299289	1.02	
76 Ethylbenzene	91	16.537	16.536	0.001	98	284603	0.9693	
77 2-Ethylthiophene	97	16.639	16.638	0.001	97	225682	0.9808	
78 m-Xylene & p-Xylene	91	16.693	16.696	-0.003	100	437938	1.85	
79 n-Nonane	57	17.097	17.098	-0.001	93	182421	0.9895	
81 Bromoform	173	17.150	17.149	0.001	93	134430	0.9151	
80 Styrene	104	17.156	17.157	-0.001	98	156161	0.9598	
82 o-Xylene	91	17.220	17.220	0.0	96	232024	0.9661	
83 1,1,2,2-Tetrachloroethane	83	17.532	17.534	-0.002	99	183648	0.9358	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.688	17.690	-0.002	97	43710	0.9288	
85 Isopropylbenzene	105	17.791	17.793	-0.002	96	322210	0.9415	
86 N-Propylbenzene	120	18.307	18.310	-0.003	98	81294	0.9008	
87 2-Chlorotoluene	126	18.355	18.357	-0.002	97	86903	0.9227	
88 4-Ethyltoluene	105	18.452	18.454	-0.002	98	291767	0.9142	
89 1,3,5-Trimethylbenzene	120	18.522	18.524	-0.002	92	140307	0.8745	
90 Alpha Methyl Styrene	118	18.743	18.745	-0.002	84	104233	0.9066	
91 n-Decane	57	18.791	18.793	-0.002	88	192549	0.9800	
92 tert-Butylbenzene	119	18.936	18.937	-0.001	87	276681	0.8830	
93 1,2,4-Trimethylbenzene	105	18.947	18.949	-0.002	95	247215	0.8884	
94 sec-Butylbenzene	105	19.195	19.196	-0.001	98	371473	0.9095	
95 1,3-Dichlorobenzene	146	19.216	19.217	-0.001	98	150681	0.8238	
96 Benzyl chloride	91	19.286	19.288	-0.002	98	171797	0.8266	
97 1,4-Dichlorobenzene	146	19.302	19.302	0.0	93	135286	0.7947	
98 4-Isopropyltoluene	119	19.351	19.352	-0.001	88	295742	0.9032	
99 1,2,3-Trimethylbenzene	105	19.410	19.409	0.001	98	207460	0.9149	
100 Butylcyclohexane	83	19.458	19.460	-0.002	93	250533	0.9680	
101 2,3-Dihydroindene	117	19.652	19.653	-0.001	89	223109	0.8775	
102 1,2-Dichlorobenzene	146	19.652	19.653	-0.001	79	148540	0.8303	
103 n-Butylbenzene	91	19.776	19.777	-0.001	96	267179	0.8794	
104 Indene	116	19.781	19.781	0.0	85	196085	0.8826	
105 Undecane	57	20.066	20.068	-0.002	96	175793	0.8882	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.136	20.138	-0.002	97	268427	0.8743	
108 1,2,4,5-Tetramethylbenzene	119	20.523	20.525	-0.002	97	282429	0.9156	
107 1,2,3,5-Tetramethylbenzene	119	20.583	20.582	0.001	94	177582	0.8820	
109 1,2,3,4-Tetramethylbenzene	119	20.997	20.998	-0.001	97	222908	0.8936	
110 Dodecane	57	21.147	21.148	-0.001	94	185701	0.9061	
111 1,2,4-Trichlorobenzene	180	21.379	21.379	0.0	94	66621	0.8371	
112 Naphthalene	128	21.529	21.527	0.002	99	186491	0.8271	
113 Benzo(b)thiophene	134	21.632	21.631	0.001	98	119182	0.7801	
114 Hexachlorobutadiene	225	21.728	21.729	-0.001	84	136244	0.8378	
115 1,2,3-Trichlorobenzene	180	21.798	21.800	-0.002	95	87992	0.8556	
116 2-Methylnaphthalene	142	22.449	22.449	0.0	99	149184	6.22	
117 1-Methylnaphthalene	142	22.584	22.583	0.001	96	164584	6.66	
139 Isopropyl ether	45	8.791	8.794	-0.003	97	244016	NR	
142 Tert-butyl ethyl ether	59	9.485	9.487	-0.002	95	220627	NR	
140 Tert-amyl methyl ether	73	11.480	11.482	-0.002	81	203973	NR	
A 118 C6 Range	1	8.640	8.581 -	8.699	0	1022928	1.00	
A 122 Toluene Range	1	14.262	14.232 -	14.292	0	633377	0.9777	
A 123 C8 Range	1	14.934	14.886 -	14.983	0	997149	0.99	
S 124 Xylenes, Total	100				0		2.81	

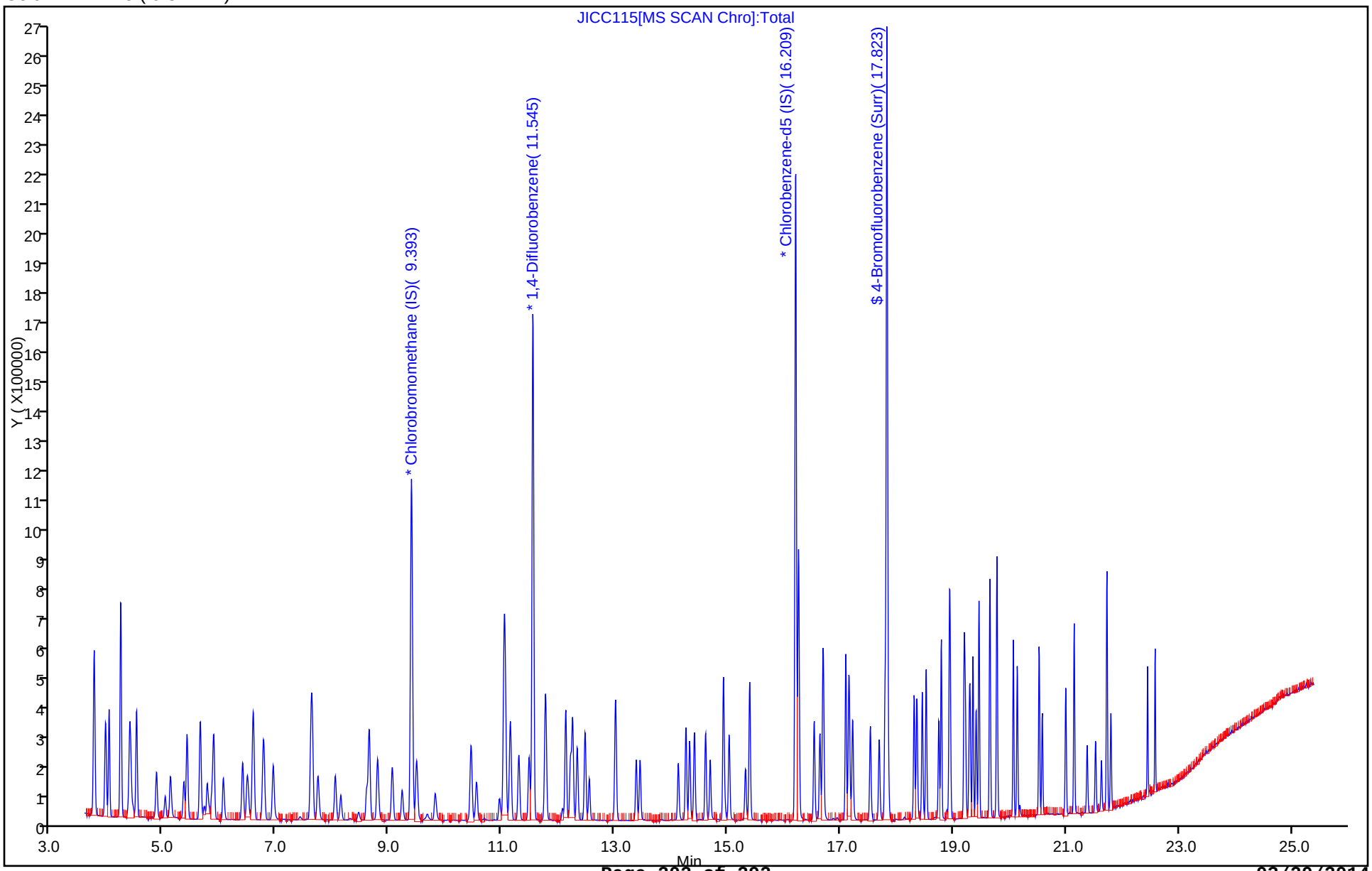
Report Date: 14-Mar-2014 14:45:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC115.D

Injection Date:	11-Mar-2014 16:17:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L5	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

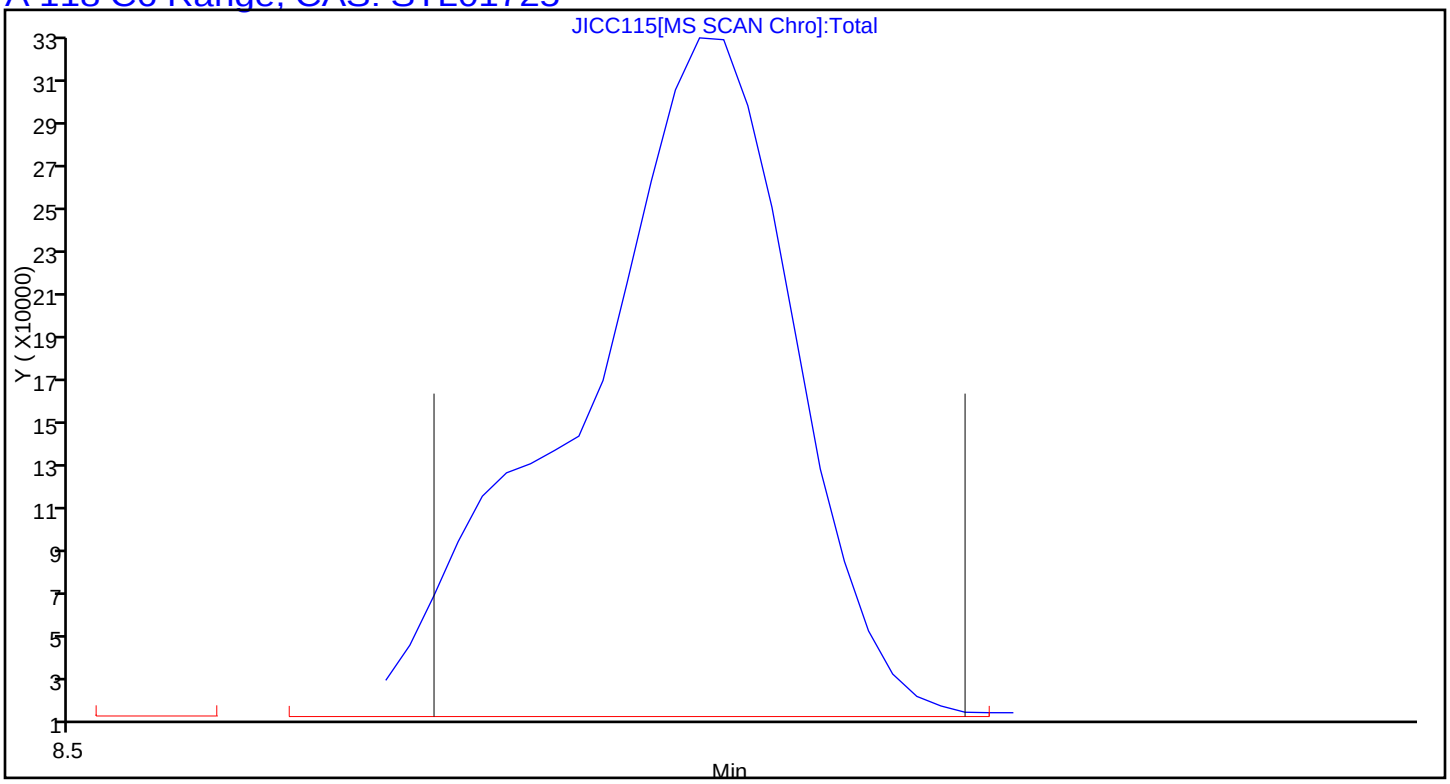


Report Date: 14-Mar-2014 14:45:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC115.D				
Injection Date:	11-Mar-2014 16:17:30	Instrument ID:	MJ		
Lims ID:	IC L5	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	11	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

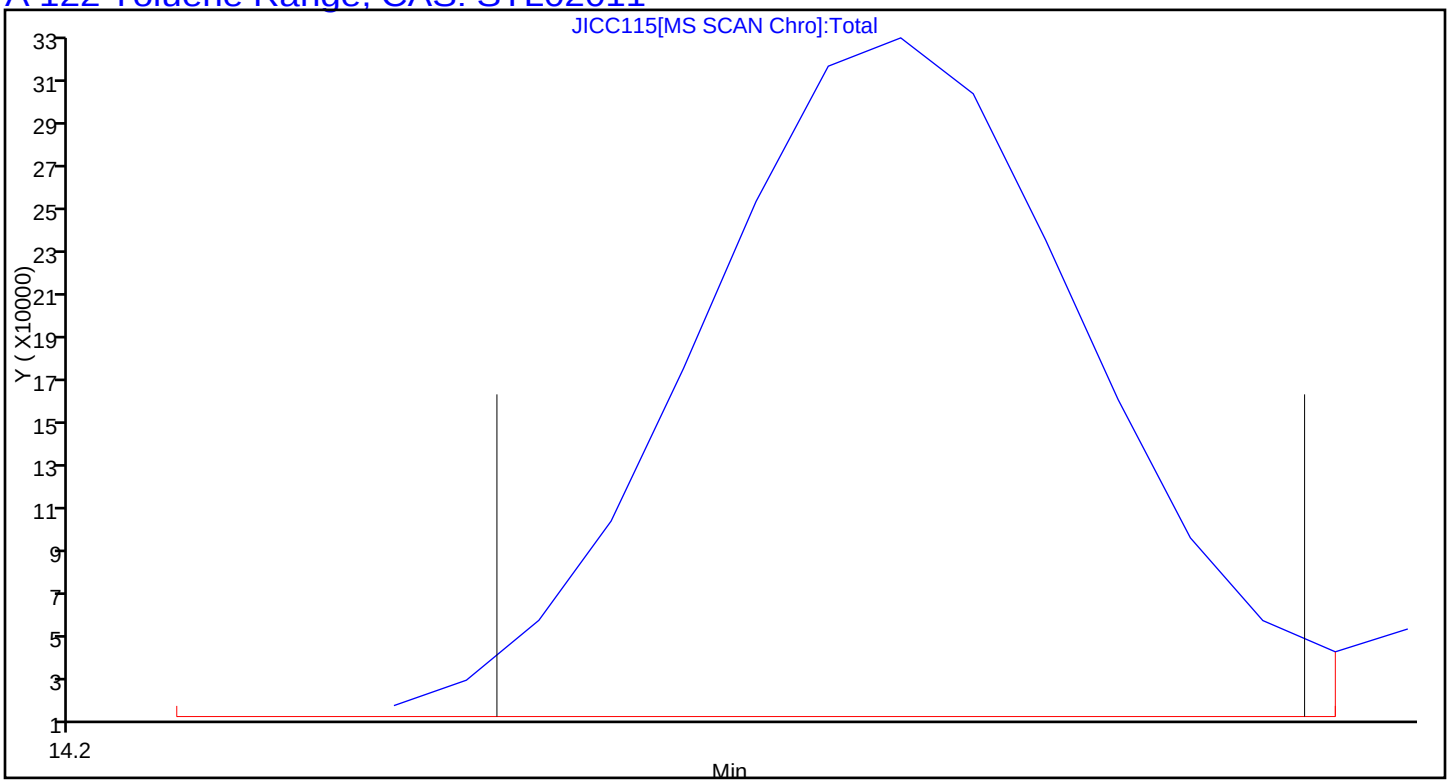


Report Date: 14-Mar-2014 14:45:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC115.D				
Injection Date:	11-Mar-2014 16:17:30	Instrument ID:	MJ		
Lims ID:	IC L5	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	11	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

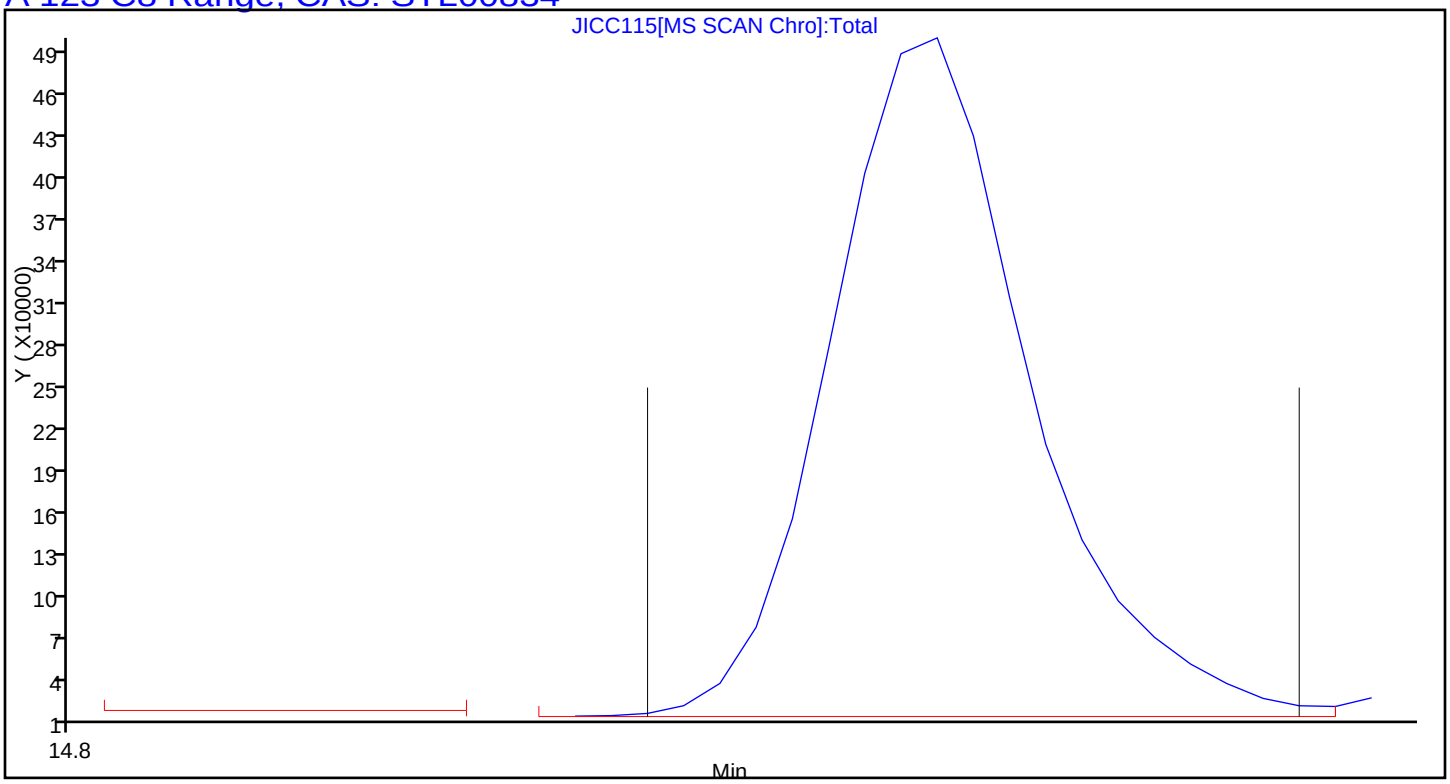


Report Date: 14-Mar-2014 14:45:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC115.D				
Injection Date:	11-Mar-2014 16:17:30	Instrument ID:	MJ		
Lims ID:	IC L5	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	11	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC116.D
Lims ID: ICIS L6 Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Mar-2014 17:11:30 ALS Bottle#: 12 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL6,,1,6,,ICAL 2
Misc. Info.: J031114I,TO15,,140-0000516-007
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:47:02 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.394	9.392	0.002	92	351204	4.00	
* 2 1,4-Difluorobenzene	114	11.545	11.547	-0.002	92	1664083	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.209	16.208	0.001	86	1450172	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.823	17.825	-0.002	89	1040623	4.06	
6 Chlorodifluoromethane	67	3.960	3.960	0.0	97	65895	1.82	
7 Propene	41	3.971	3.973	-0.002	99	203864	1.89	
8 Dichlorodifluoromethane	85	4.030	4.029	0.001	100	677907	1.95	
9 Chloromethane	52	4.229	4.230	-0.001	98	75510	1.91	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.240	4.238	0.002	92	515628	1.96	
11 Acetaldehyde	44	4.396	4.398	-0.002	99	339724	9.80	
12 Vinyl chloride	62	4.418	4.419	-0.001	99	254791	1.96	
14 Butadiene	54	4.514	4.517	-0.003	66	175277	1.94	
13 Butane	43	4.514	4.517	-0.003	86	348021	1.88	
15 Bromomethane	94	4.869	4.871	-0.002	99	250854	1.89	
16 Chloroethane	64	5.025	5.027	-0.002	100	113435	1.89	
17 Ethanol	31	5.117	5.122	-0.005	95	281128	9.97	
18 Vinyl bromide	106	5.354	5.357	-0.003	97	216421	1.92	
19 2-Methylbutane	43	5.413	5.411	0.002	92	280290	1.88	
20 Trichlorofluoromethane	101	5.649	5.647	0.002	98	594264	1.94	
21 Acrolein	56	5.649	5.650	-0.001	68	53042	1.85	
22 Acetonitrile	40	5.714	5.720	-0.006	100	59141	1.87	
23 Acetone	58	5.773	5.776	-0.003	85	101503	2.03	
24 Isopropyl alcohol	45	5.849	5.858	-0.009	94	252925	1.92	
25 Pentane	72	5.886	5.884	0.002	97	37045	1.96	
26 Ethyl ether	31	6.053	6.059	-0.006	93	179455	1.95	
27 1,1-Dichloroethene	96	6.397	6.399	-0.002	97	184446	1.87	
28 2-Methyl-2-propanol	59	6.473	6.487	-0.014	95	272663	1.68	
29 Acrylonitrile	53	6.494	6.498	-0.004	95	99812	1.91	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.586	6.586	0.0	95	409082	1.93	
31 Methylene Chloride	84	6.758	6.759	-0.001	95	180581	1.92	
32 3-Chloro-1-propene	39	6.779	6.778	0.001	94	183622	1.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
33 Carbon disulfide	76	6.941	6.942	-0.001	99	641989	1.94	
34 trans-1,2-Dichloroethene	96	7.608	7.609	-0.001	98	225627	1.90	
35 2-Methylpentane	43	7.629	7.631	-0.002	95	522389	1.93	
36 Methyl tert-butyl ether	73	7.731	7.738	-0.007	96	356577	1.99	
37 1,1-Dichloroethane	63	8.043	8.041	0.002	100	362051	1.95	
38 Vinyl acetate	43	8.140	8.141	-0.001	100	322885	1.99	
39 2-Butanone (MEK)	72	8.597	8.601	-0.004	99	69610	2.09	
40 Hexane	56	8.640	8.642	-0.002	90	180662	1.91	
41 cis-1,2-Dichloroethene	96	9.049	9.052	-0.003	95	200551	1.98	
42 Ethyl acetate	43	9.227	9.229	-0.002	97	292814	2.02	
43 Chloroform	83	9.404	9.403	0.001	96	388598	1.90	
44 Tetrahydrofuran	42	9.808	9.816	-0.008	94	156408	1.92	
45 1,1,1-Trichloroethane	97	10.448	10.450	-0.002	96	422225	1.98	
46 1,2-Dichloroethane	62	10.545	10.547	-0.002	95	248475	1.92	
47 n-Butanol	31	10.948	10.958	-0.010	88	63073	1.73	
48 Benzene	78	11.034	11.033	0.001	97	540059	1.89	
49 Cyclohexane	69	11.040	11.040	0.0	92	110363	1.96	
50 Carbon tetrachloride	117	11.061	11.059	0.002	96	443845	1.88	
51 2,3-Dimethylpentane	71	11.147	11.148	-0.001	91	127368	1.89	
52 Thiophene	84	11.298	11.297	0.001	96	339429	1.93	
53 Isooctane	57	11.771	11.771	0.0	98	916367	1.88	
54 n-Heptane	71	12.132	12.130	0.002	92	191563	1.90	
55 1,2-Dichloropropane	63	12.212	12.214	-0.002	88	187039	1.94	
56 Trichloroethene	130	12.250	12.252	-0.002	93	255418	1.84	
57 Dibromomethane	93	12.331	12.332	-0.001	91	238917	1.88	
59 Dichlorobromomethane	83	12.471	12.472	-0.001	99	383587	1.90	
58 1,4-Dioxane	88	12.476	12.483	-0.007	85	63279	1.83	
60 Methyl methacrylate	41	12.546	12.548	-0.002	91	169117	1.95	
61 Methylcyclohexane	83	13.014	13.013	0.001	96	363492	1.89	
62 4-Methyl-2-pentanone (MIBK)	43	13.380	13.382	-0.002	98	336876	1.93	
63 cis-1,3-Dichloropropene	75	13.450	13.448	0.002	94	261947	1.91	
64 trans-1,3-Dichloropropene	75	14.128	14.126	0.002	98	234824	1.95	
65 Toluene	91	14.262	14.262	0.0	94	519669	1.93	
66 1,1,2-Trichloroethane	83	14.327	14.328	-0.001	97	166783	1.96	
67 2-Methylthiophene	97	14.413	14.413	0.0	98	477759	1.98	
68 3-Methylthiophene	97	14.612	14.612	0.0	99	476584	1.97	
69 2-Hexanone	58	14.692	14.694	-0.002	93	161365	1.83	
70 n-Octane	85	14.929	14.928	0.001	94	185219	1.88	
71 Chlorodibromomethane	129	15.026	15.027	-0.001	96	362439	1.93	
72 Ethylene Dibromide	107	15.316	15.317	-0.001	98	283094	1.94	
73 Tetrachloroethene	129	15.392	15.393	-0.001	92	226667	1.81	
75 Chlorobenzene	112	16.258	16.256	0.002	87	423684	1.84	
74 2,3-Dimethylheptane	43	16.258	16.260	-0.002	95	563663	1.90	
76 Ethylbenzene	91	16.538	16.536	0.002	98	566249	1.91	
77 2-Ethylthiophene	97	16.640	16.638	0.002	97	450374	1.93	
78 m-Xylene & p-Xylene	91	16.694	16.696	-0.002	100	877038	3.66	
79 n-Nonane	57	17.097	17.098	-0.001	93	359753	1.93	
81 Bromoform	173	17.151	17.149	0.002	94	285787	1.92	
80 Styrene	104	17.156	17.157	-0.001	98	329540	2.00	
82 o-Xylene	91	17.221	17.220	0.001	96	451038	1.86	
83 1,1,2,2-Tetrachloroethane	83	17.533	17.534	-0.001	99	370844	1.87	
84 1,2,3-Trichloropropane	110	17.689	17.690	-0.001	97	88416	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
85 Isopropylbenzene	105	17.791	17.793	-0.002	97	640978	1.85	
86 N-Propylbenzene	120	18.307	18.310	-0.003	98	169743	1.86	
87 2-Chlorotoluene	126	18.356	18.357	-0.001	97	172536	1.81	
88 4-Ethyltoluene	105	18.453	18.454	-0.001	97	602615	1.87	
89 1,3,5-Trimethylbenzene	120	18.523	18.524	-0.001	92	288648	1.78	
90 Alpha Methyl Styrene	118	18.743	18.745	-0.002	85	232501	2.00	
91 n-Decane	57	18.792	18.793	-0.001	89	383736	1.93	
92 tert-Butylbenzene	119	18.937	18.937	0.0	87	563181	1.78	
93 1,2,4-Trimethylbenzene	105	18.948	18.949	-0.001	95	510168	1.81	
94 sec-Butylbenzene	105	19.195	19.196	-0.001	98	753094	1.82	
95 1,3-Dichlorobenzene	146	19.217	19.217	-0.001	99	312974	1.69	
96 Benzyl chloride	91	19.286	19.288	-0.002	98	376583	1.79	
97 1,4-Dichlorobenzene	146	19.303	19.302	0.001	94	286084	1.66	
98 4-Isopropyltoluene	119	19.351	19.352	-0.001	88	611347	1.84	
99 1,2,3-Trimethylbenzene	105	19.410	19.409	0.001	98	421832	1.84	
100 Butylcyclohexane	83	19.459	19.460	-0.001	93	480940	1.84	
101 2,3-Dihydroindene	117	19.652	19.653	-0.001	89	462728	1.80	
102 1,2-Dichlorobenzene	146	19.652	19.653	-0.001	80	310746	1.72	
103 n-Butylbenzene	91	19.776	19.777	-0.001	97	566214	1.84	
104 Indene	116	19.781	19.781	0.0	86	427230	1.90	
105 Undecane	57	20.066	20.068	-0.002	96	366563	1.83	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.136	20.138	-0.002	97	564256	1.82	
108 1,2,4,5-Tetramethylbenzene	119	20.524	20.525	-0.001	96	585097	1.87	
107 1,2,3,5-Tetramethylbenzene	119	20.583	20.582	0.001	95	360803	1.77	
109 1,2,3,4-Tetramethylbenzene	119	20.997	20.998	-0.001	96	458134	1.81	
110 Dodecane	57	21.148	21.148	0.0	95	378646	1.83	
111 1,2,4-Trichlorobenzene	180	21.379	21.379	0.0	94	143447	1.78	
112 Naphthalene	128	21.524	21.527	-0.003	99	394479	1.73	
113 Benzo(b)thiophene	134	21.632	21.631	0.001	99	259843	1.68	
114 Hexachlorobutadiene	225	21.729	21.729	0.0	84	268985	1.63	
115 1,2,3-Trichlorobenzene	180	21.799	21.800	-0.001	95	178007	1.71	
116 2-Methylnaphthalene	142	22.450	22.449	0.001	98	307709	12.7	
117 1-Methylnaphthalene	142	22.584	22.583	0.001	96	331073	13.2	
139 Isopropyl ether	45	8.791	8.794	-0.003	97	479467	NR	
142 Tert-butyl ethyl ether	59	9.480	9.487	-0.007	95	438027	NR	
140 Tert-amyl methyl ether	73	11.475	11.482	-0.007	92	413190	NR	
A 118 C6 Range	1	8.640	8.571 -	8.710	0	2011864	1.96	
A 122 Toluene Range	1	14.262	14.232 -	14.292	0	1258419	1.92	
A 123 C8 Range	1	14.927	14.881 -	14.988	0	1829147	1.80	
S 124 Xylenes, Total	100				0		5.51	

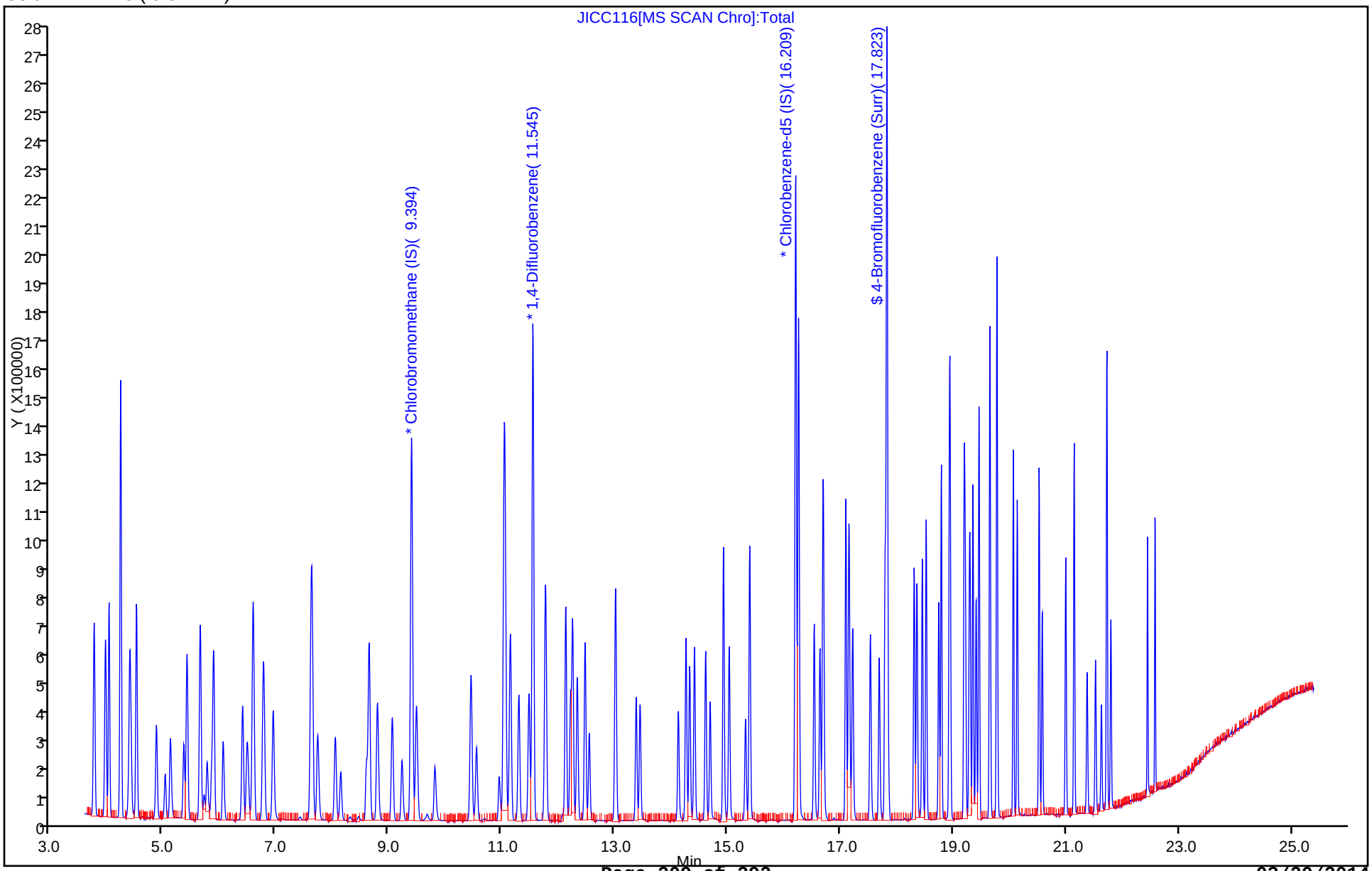
Report Date: 14-Mar-2014 14:47:03 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC116.D

Injection Date:	11-Mar-2014 17:11:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	ICIS L6	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

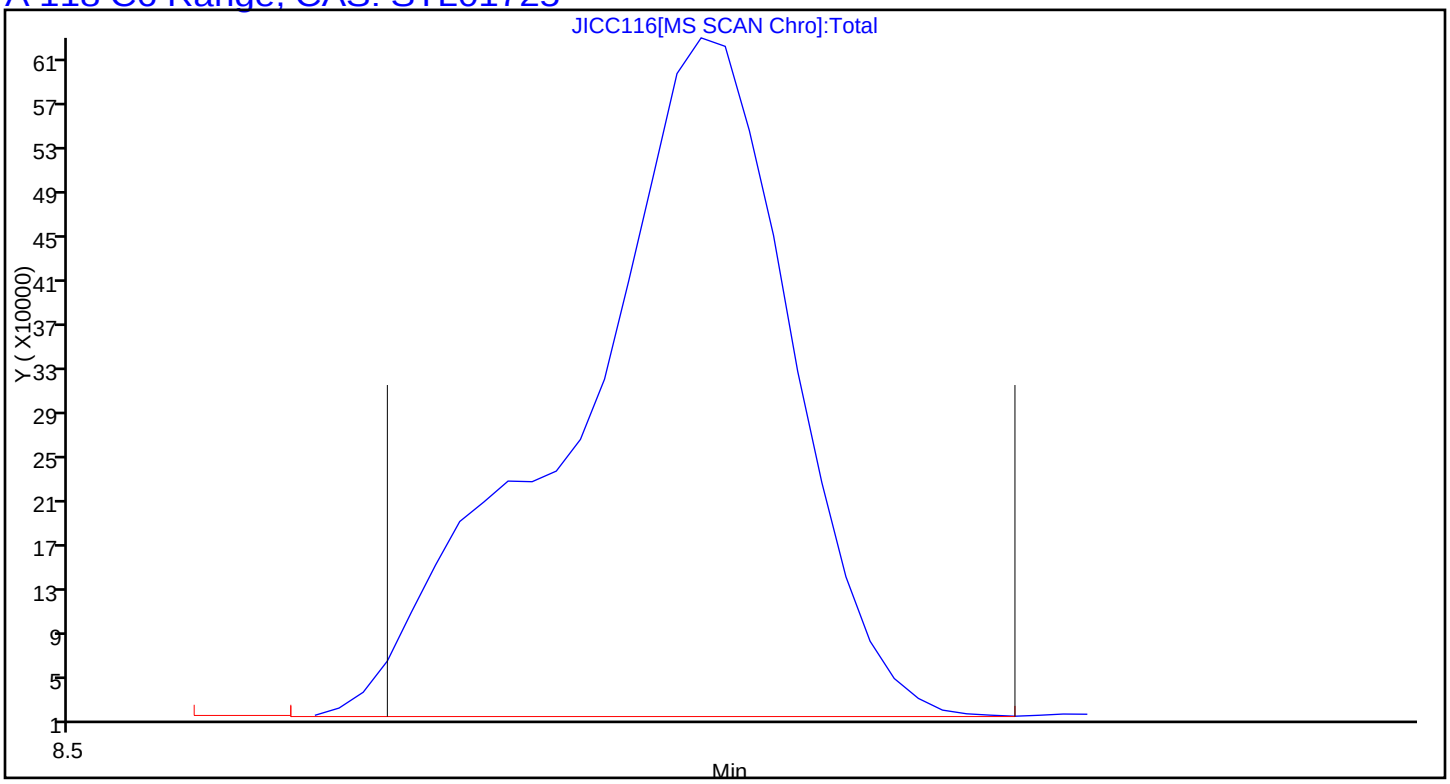


Report Date: 14-Mar-2014 14:47:03 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC116.D				
Injection Date:	11-Mar-2014 17:11:30	Instrument ID:	MJ		
Lims ID:	ICIS L6	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725



Report Date: 14-Mar-2014 14:47:03 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC116.D

Injection Date: 11-Mar-2014 17:11:30 Instrument ID: MJ

Lims ID: ICIS L6 Lab Sample ID:

Client ID:

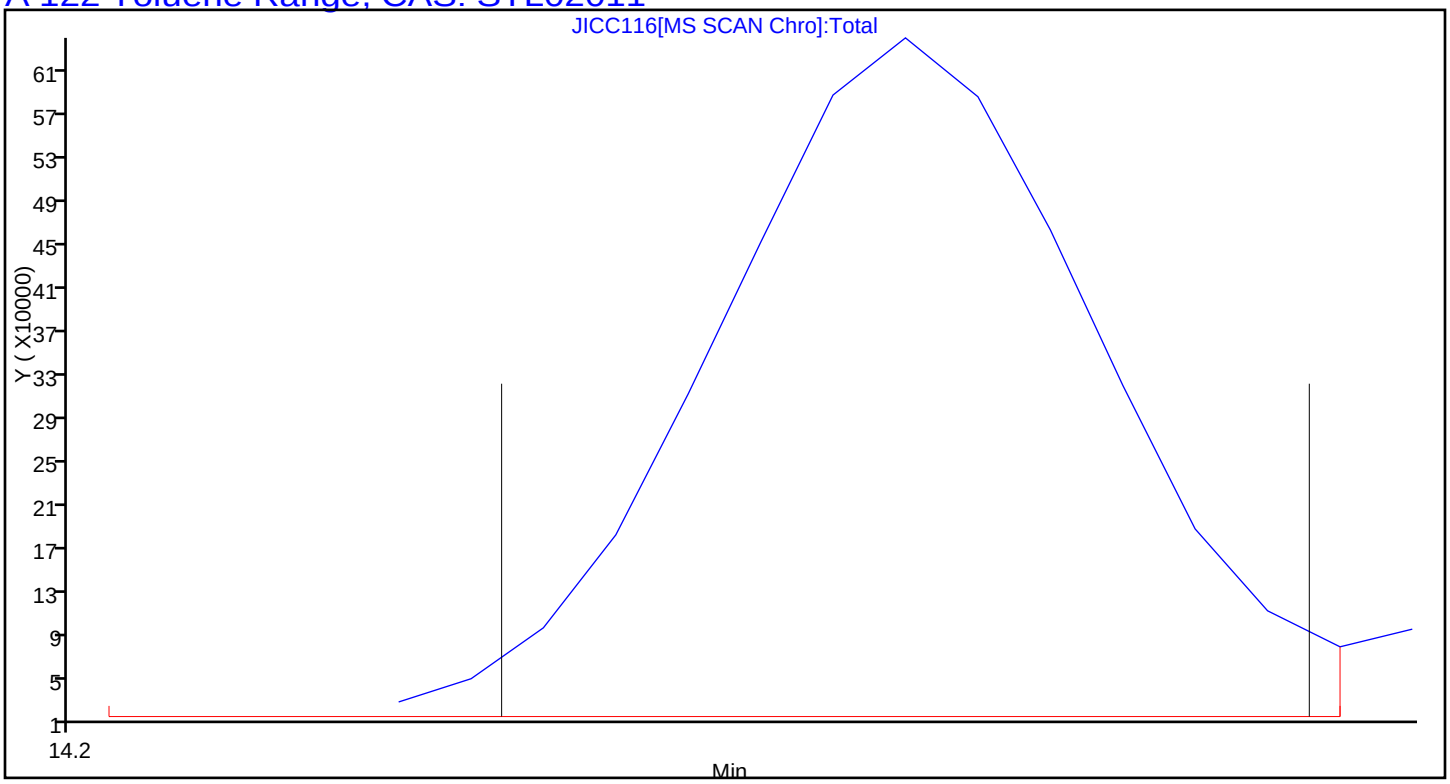
Operator ID: 7126 ALS Bottle#: 12 Worklist Smp#: 7

Purge Vol: 500.000 mL Dil. Factor: 1.0000

Method: MJ_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

A 122 Toluene Range, CAS: STL02011

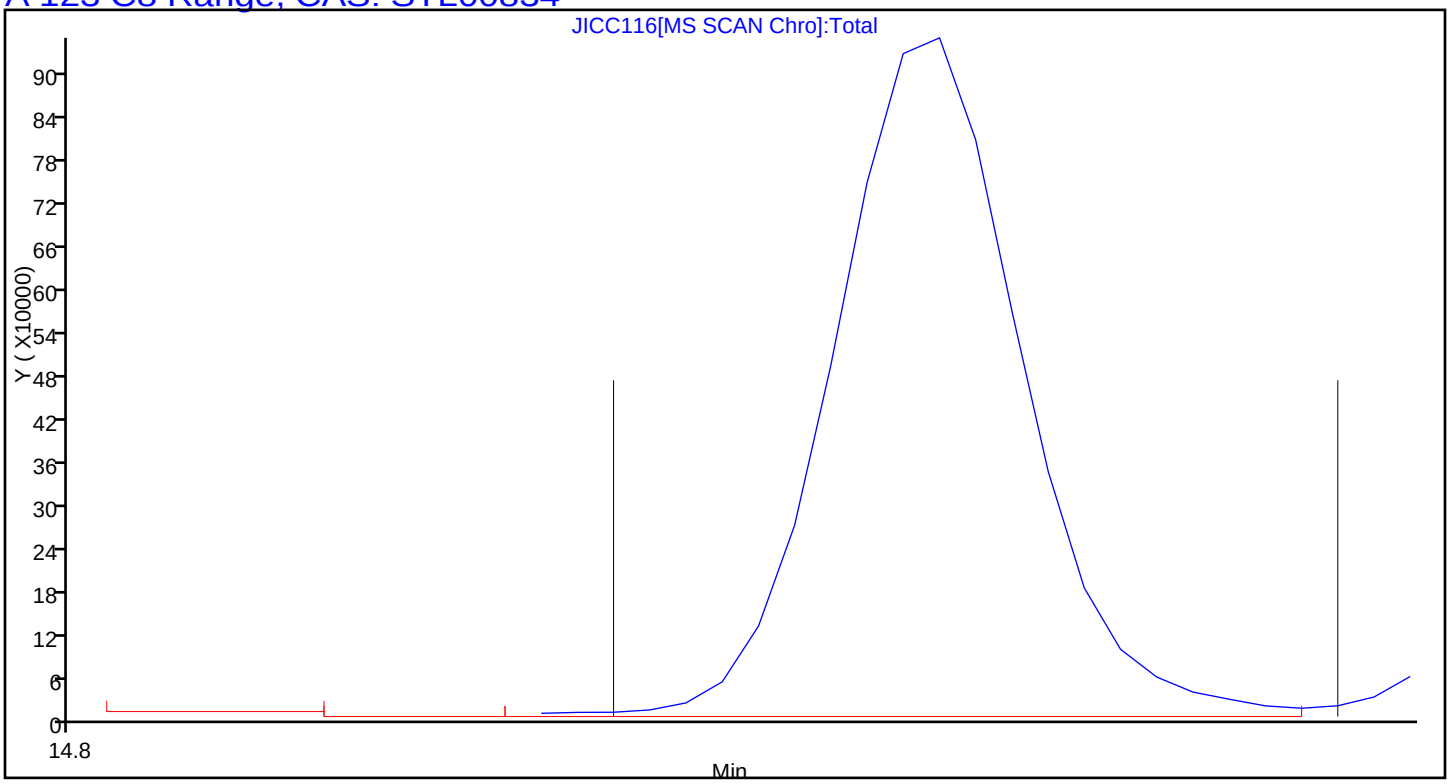


Report Date: 14-Mar-2014 14:47:03 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC116.D				
Injection Date:	11-Mar-2014 17:11:30	Instrument ID:	MJ		
Lims ID:	ICIS L6	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	12	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC117.D
Lims ID: IC L7 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Mar-2014 18:06:30 ALS Bottle#: 13 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL7,,1,7,,ICAL 4
Misc. Info.: J031114I,TO15,,140-0000516-008
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:44:57 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:44:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.391	9.392	-0.001	93	348015	4.00	
* 2 1,4-Difluorobenzene	114	11.548	11.547	0.001	92	1571787	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.206	16.208	-0.002	87	1348573	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.826	17.825	0.001	89	982151	4.12	
6 Chlorodifluoromethane	67	3.957	3.960	-0.003	97	127336	3.55	
7 Propene	41	3.973	3.973	0.0	99	380299	3.56	
8 Dichlorodifluoromethane	85	4.027	4.029	-0.002	100	1288306	3.74	
9 Chloromethane	52	4.232	4.230	0.002	99	142083	3.63	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.237	4.238	-0.001	90	1010496	3.88	
11 Acetaldehyde	44	4.398	4.398	0.0	98	590590	17.2	
12 Vinyl chloride	62	4.420	4.419	0.001	99	481131	3.73	
14 Butadiene	54	4.517	4.517	0.0	66	332507	3.71	
13 Butane	43	4.517	4.517	0.0	85	651614	3.55	
15 Bromomethane	94	4.872	4.871	0.001	99	483336	3.68	
16 Chloroethane	64	5.028	5.027	0.001	99	220811	3.72	
17 Ethanol	31	5.119	5.122	-0.003	95	536616	19.2	
18 Vinyl bromide	106	5.356	5.357	-0.001	97	427699	3.83	
19 2-Methylbutane	43	5.410	5.411	-0.001	92	537867	3.64	
20 Trichlorofluoromethane	101	5.646	5.647	-0.001	97	1161422	3.84	
21 Acrolein	56	5.646	5.650	-0.004	24	99357	3.50	
22 Acetonitrile	40	5.716	5.720	-0.004	99	106520	3.39	
23 Acetone	58	5.770	5.776	-0.006	91	119169	2.41	
24 Isopropyl alcohol	45	5.851	5.858	-0.007	98	503623	3.86	
25 Pentane	72	5.883	5.884	-0.001	98	73196	3.91	
26 Ethyl ether	31	6.050	6.059	-0.009	94	329259	3.62	
27 1,1-Dichloroethene	96	6.400	6.399	0.001	98	372110	3.81	
28 2-Methyl-2-propanol	59	6.475	6.487	-0.012	94	583041	3.62	
29 Acrylonitrile	53	6.496	6.498	-0.002	93	192415	3.72	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.582	6.586	-0.004	95	813723	3.88	
31 Methylene Chloride	84	6.760	6.759	0.001	95	352418	3.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.776	6.778	-0.002	92	355060	3.67	
33 Carbon disulfide	76	6.943	6.942	0.001	99	1258326	3.84	
34 trans-1,2-Dichloroethene	96	7.610	7.609	0.001	99	451426	3.84	
35 2-Methylpentane	43	7.631	7.631	0.0	95	1006835	3.75	
36 Methyl tert-butyl ether	73	7.728	7.738	-0.010	96	673998	3.79	
37 1,1-Dichloroethane	63	8.040	8.041	-0.001	100	703411	3.83	
38 Vinyl acetate	43	8.137	8.141	-0.004	100	596834	3.71	
39 2-Butanone (MEK)	72	8.594	8.601	-0.007	100	125222	3.80	
40 Hexane	56	8.643	8.642	0.001	88	346825	3.71	
41 cis-1,2-Dichloroethene	96	9.052	9.052	0.0	94	388357	3.87	
42 Ethyl acetate	43	9.224	9.229	-0.005	99	549427	3.83	
43 Chloroform	83	9.401	9.403	-0.002	96	755016	3.72	
44 Tetrahydrofuran	42	9.805	9.816	-0.011	94	291715	3.62	
45 1,1,1-Trichloroethane	97	10.450	10.450	0.0	96	807351	3.82	
46 1,2-Dichloroethane	62	10.547	10.547	0.0	96	473508	3.88	
47 n-Butanol	31	10.945	10.958	-0.013	89	133536	3.89	
48 Benzene	78	11.031	11.033	-0.002	97	1059675	3.93	
49 Cyclohexane	69	11.042	11.040	0.002	93	212371	3.99	
50 Carbon tetrachloride	117	11.058	11.059	-0.001	99	893077	4.01	
51 2,3-Dimethylpentane	71	11.150	11.148	0.002	91	243353	3.82	
52 Thiophene	84	11.300	11.297	0.003	96	650293	3.90	
53 Isooctane	57	11.774	11.771	0.003	98	1747868	3.80	
54 n-Heptane	71	12.129	12.130	-0.001	92	367648	3.85	
55 1,2-Dichloropropane	63	12.215	12.214	0.001	85	352739	3.87	
56 Trichloroethene	130	12.252	12.252	0.0	93	487687	3.73	
57 Dibromomethane	93	12.333	12.332	0.001	92	456395	3.80	
59 Dichlorobromomethane	83	12.473	12.472	0.001	99	749991	3.94	
58 1,4-Dioxane	88	12.473	12.483	-0.010	37	131505	4.03	
60 Methyl methacrylate	41	12.548	12.548	0.0	91	333332	4.08	
61 Methylcyclohexane	83	13.011	13.013	-0.002	96	683968	3.77	
62 4-Methyl-2-pentanone (MIBK)	43	13.377	13.382	-0.005	98	661355	4.01	
63 cis-1,3-Dichloropropene	75	13.447	13.448	-0.001	94	507092	3.92	
64 trans-1,3-Dichloropropene	75	14.124	14.126	-0.002	97	446194	3.99	
65 Toluene	91	14.264	14.262	0.002	94	985546	3.94	
66 1,1,2-Trichloroethane	83	14.329	14.328	0.001	97	313466	3.95	
67 2-Methylthiophene	97	14.415	14.413	0.002	97	895031	3.98	
68 3-Methylthiophene	97	14.614	14.612	0.002	99	900038	3.99	
69 2-Hexanone	58	14.689	14.694	-0.005	93	329061	4.02	
70 n-Octane	85	14.926	14.928	-0.002	93	363887	3.96	
71 Chlorodibromomethane	129	15.028	15.027	0.001	96	735197	4.20	
72 Ethylene Dibromide	107	15.319	15.317	0.002	98	539062	3.97	
73 Tetrachloroethene	129	15.394	15.393	0.001	93	437989	3.76	
75 Chlorobenzene	112	16.255	16.256	-0.001	94	827157	3.87	
74 2,3-Dimethylheptane	43	16.260	16.260	0.0	94	1076318	3.91	
76 Ethylbenzene	91	16.534	16.536	-0.002	98	1067867	3.86	
77 2-Ethylthiophene	97	16.637	16.638	-0.001	98	856076	3.95	
78 m-Xylene & p-Xylene	91	16.696	16.696	0.0	99	1665289	7.47	
79 n-Nonane	57	17.099	17.098	0.001	92	701033	4.04	
81 Bromoform	173	17.148	17.149	-0.001	94	603733	4.37	
80 Styrene	104	17.158	17.157	0.001	97	638753	4.17	
82 o-Xylene	91	17.218	17.220	-0.002	96	854151	3.78	
83 1,1,2,2-Tetrachloroethane	83	17.535	17.534	0.001	99	731970	3.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.691	17.690	0.001	97	174026	3.93	
85 Isopropylbenzene	105	17.793	17.793	0.0	96	1246662	3.87	
86 N-Propylbenzene	120	18.310	18.310	0.0	98	337130	3.97	
87 2-Chlorotoluene	126	18.358	18.357	0.001	97	335960	3.79	
88 4-Ethyltoluene	105	18.455	18.454	0.001	97	1212360	4.04	
89 1,3,5-Trimethylbenzene	120	18.525	18.524	0.001	93	586616	3.89	
90 Alpha Methyl Styrene	118	18.745	18.745	0.0	86	498439	4.61	
91 n-Decane	57	18.794	18.793	0.001	89	760833	4.11	
92 tert-Butylbenzene	119	18.939	18.937	0.002	88	1160846	3.94	
93 1,2,4-Trimethylbenzene	105	18.950	18.949	0.001	94	1046672	4.00	
94 sec-Butylbenzene	105	19.197	19.196	0.001	98	1534847	3.99	
95 1,3-Dichlorobenzene	146	19.219	19.217	0.002	99	649208	3.77	
96 Benzyl chloride	91	19.289	19.288	0.001	98	804987	4.12	
97 1,4-Dichlorobenzene	146	19.300	19.302	-0.002	94	593980	3.71	
98 4-Isopropyltoluene	119	19.353	19.352	0.001	88	1253285	4.07	
99 1,2,3-Trimethylbenzene	105	19.407	19.409	-0.002	98	842178	3.95	
100 Butylcyclohexane	83	19.461	19.460	0.001	94	943677	3.87	
101 2,3-Dihydroindene	117	19.655	19.653	0.002	89	948230	3.96	
102 1,2-Dichlorobenzene	146	19.655	19.653	0.002	82	646950	3.84	
103 n-Butylbenzene	91	19.778	19.777	0.001	97	1183694	4.14	
104 Indene	116	19.778	19.781	-0.003	86	918630	4.39	
105 Undecane	57	20.069	20.068	0.001	96	752219	4.04	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.139	20.138	0.001	96	1174726	4.07	
108 1,2,4,5-Tetramethylbenzene	119	20.526	20.525	0.001	97	1242657	4.28	
107 1,2,3,5-Tetramethylbenzene	119	20.580	20.582	-0.002	95	763734	4.03	
109 1,2,3,4-Tetramethylbenzene	119	20.999	20.998	0.001	97	969881	4.13	
110 Dodecane	57	21.145	21.148	-0.003	95	748275	3.88	
111 1,2,4-Trichlorobenzene	180	21.376	21.379	-0.003	94	317385	4.24	
112 Naphthalene	128	21.527	21.527	0.0	99	840765	3.96	
113 Benzo(b)thiophene	134	21.629	21.631	-0.002	99	569891	3.96	
114 Hexachlorobutadiene	225	21.726	21.729	-0.003	84	564546	3.69	
115 1,2,3-Trichlorobenzene	180	21.801	21.800	0.001	96	366981	3.79	
116 2-Methylnaphthalene	142	22.447	22.449	-0.003	96	634411	28.1	
117 1-Methylnaphthalene	142	22.581	22.583	-0.002	96	631891	27.2	
139 Isopropyl ether	45	8.788	8.794	-0.006	97	915837	NR	
142 Tert-butyl ethyl ether	59	9.482	9.487	-0.005	96	861034	NR	
140 Tert-amyl methyl ether	73	11.478	11.482	-0.004	88	814994	NR	
A 118 C6 Range	1	8.643	8.573 -	8.713	0	3810714	3.75	
A 122 Toluene Range	1	14.264	14.234 -	14.294	0	2348373	3.85	
A 123 C8 Range	1	14.926	14.878 -	14.974	0	3391784	3.59	
S 124 Xylenes, Total	100				0		11.2	

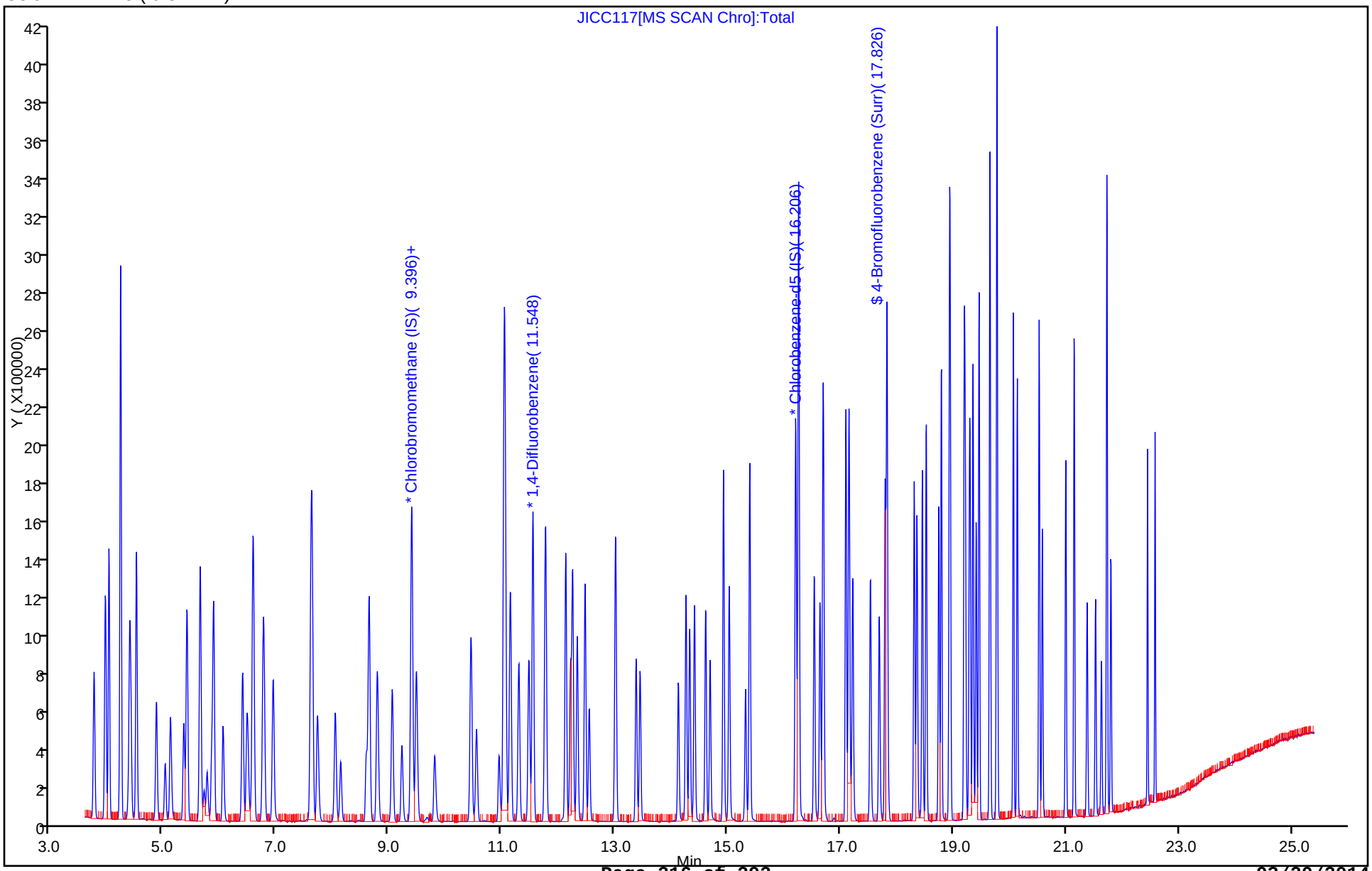
Report Date: 14-Mar-2014 14:44:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC117.D

Injection Date:	11-Mar-2014 18:06:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L7	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

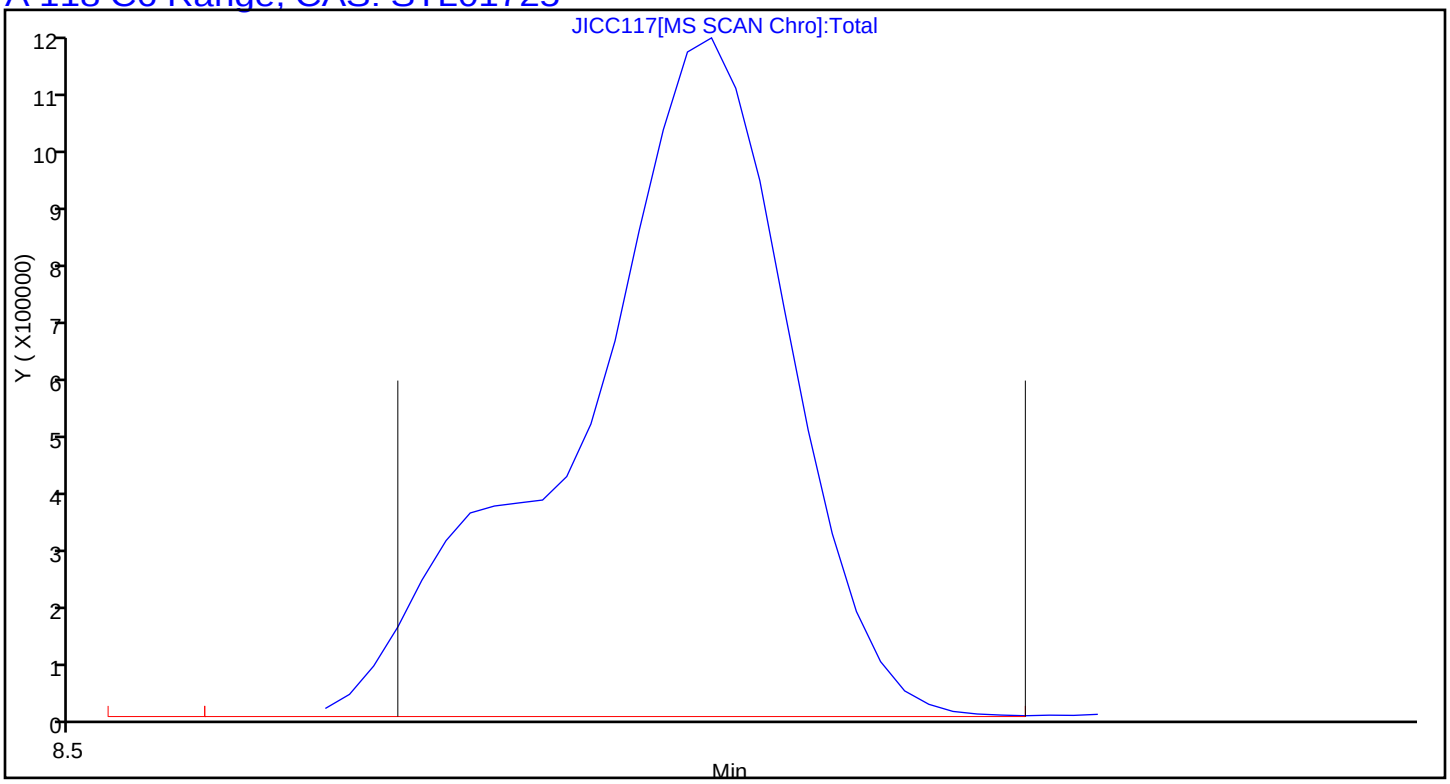
Column: RTX-5 (0.32 mm)



TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC117.D				
Injection Date:	11-Mar-2014 18:06:30	Instrument ID:	MJ		
Lims ID:	IC L7	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

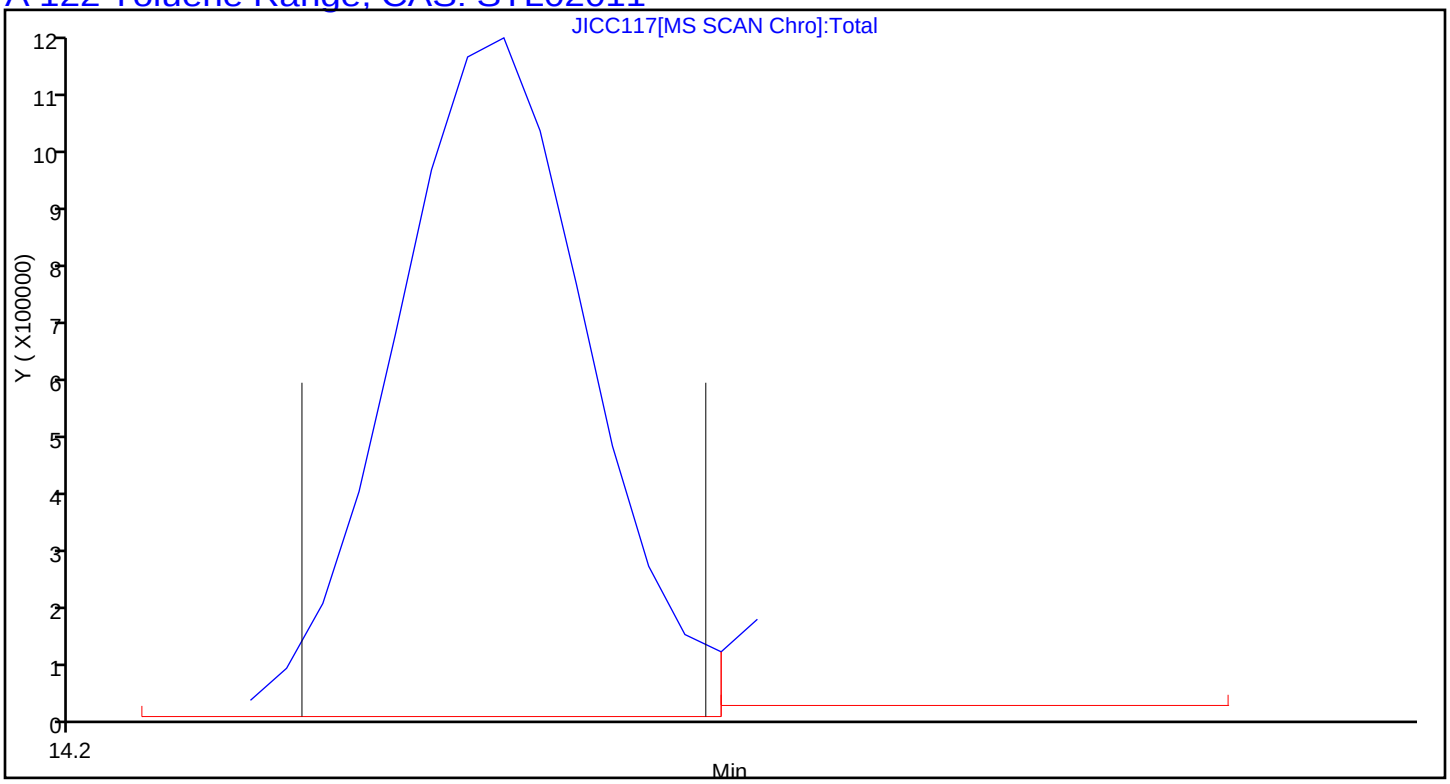


Report Date: 14-Mar-2014 14:44:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC117.D				
Injection Date:	11-Mar-2014 18:06:30	Instrument ID:	MJ		
Lims ID:	IC L7	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

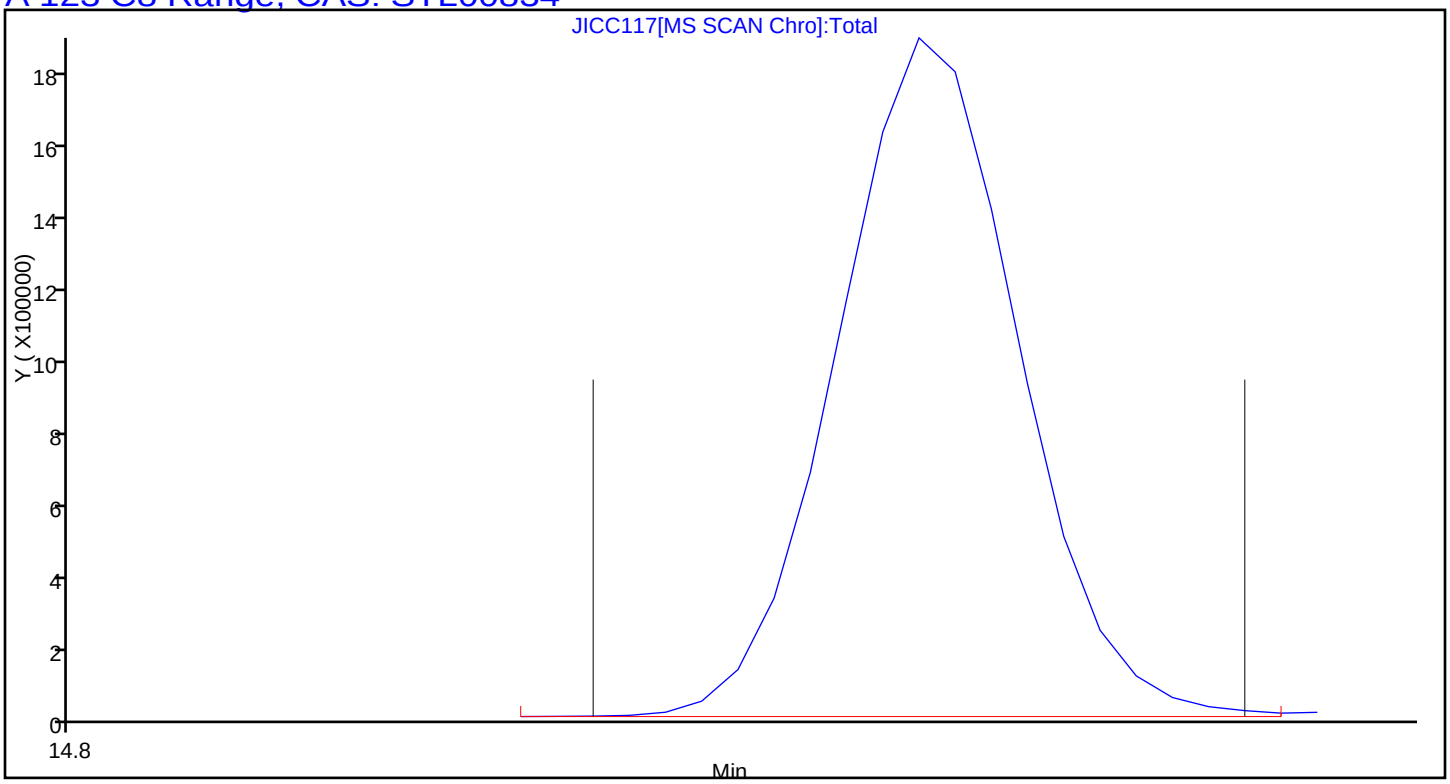


Report Date: 14-Mar-2014 14:44:57 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC117.D				
Injection Date:	11-Mar-2014 18:06:30	Instrument ID:	MJ		
Lims ID:	IC L7	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	13	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC118.D
Lims ID: IC L8 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 11-Mar-2014 19:02:30 ALS Bottle#: 14 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL8,,1,8,,ICAL 8
Misc. Info.: J031114I,TO15,,140-0000516-009
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:44:50 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:44:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.397	9.392	0.005	91	318482	4.00	
* 2 1,4-Difluorobenzene	114	11.549	11.547	0.002	92	1412691	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.208	16.208	0.0	87	1299560	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.827	17.825	0.002	89	938909	4.08	
6 Chlorodifluoromethane	67	3.959	3.960	-0.001	97	267278	8.13	
7 Propene	41	3.969	3.973	-0.004	99	770175	7.89	
8 Dichlorodifluoromethane	85	4.029	4.029	0.0	99	2653935	8.41	
9 Chloromethane	52	4.228	4.230	-0.002	98	285173	7.96	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.238	4.238	0.0	88	2110535	8.86	
11 Acetaldehyde	44	4.400	4.398	0.002	96	1285979	40.9	
12 Vinyl chloride	62	4.416	4.419	-0.003	99	984783	8.34	
14 Butadiene	54	4.518	4.517	0.001	68	680934	8.30	
13 Butane	43	4.518	4.517	0.001	85	1303426	7.76	
15 Bromomethane	94	4.873	4.871	0.002	99	1011303	8.42	
16 Chloroethane	64	5.029	5.027	0.002	99	455037	8.38	
17 Ethanol	31	5.126	5.122	0.004	94	988374	38.7	
18 Vinyl bromide	106	5.357	5.357	0.0	98	901463	8.83	
19 2-Methylbutane	43	5.411	5.411	0.0	92	1083786	8.01	
20 Trichlorofluoromethane	101	5.648	5.647	0.001	99	2393900	8.64	
21 Acrolein	56	5.648	5.650	-0.002	51	250642	9.64	
22 Acetonitrile	40	5.718	5.720	-0.002	99	251140	8.75	
23 Acetone	58	5.772	5.776	-0.004	77	235590	5.20	
24 Isopropyl alcohol	45	5.858	5.858	0.0	98	1005537	8.41	
25 Pentane	72	5.884	5.884	0.0	98	151771	8.86	
26 Ethyl ether	31	6.051	6.059	-0.008	94	699710	8.40	
27 1,1-Dichloroethene	96	6.401	6.399	0.002	98	763429	8.54	
28 2-Methyl-2-propanol	59	6.482	6.487	-0.005	94	1230118	8.35	
29 Acrylonitrile	53	6.498	6.498	0.0	92	432058	9.13	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.584	6.586	-0.002	96	1646524	8.57	
31 Methylene Chloride	84	6.761	6.759	0.002	94	670417	7.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.783	6.778	0.005	94	664240	7.49	
33 Carbon disulfide	76	6.944	6.942	0.002	99	2556516	8.53	
34 trans-1,2-Dichloroethene	96	7.611	7.609	0.002	99	850575	7.90	
35 2-Methylpentane	43	7.633	7.631	0.002	96	1918287	7.81	
36 Methyl tert-butyl ether	73	7.730	7.738	-0.008	96	1374295	8.45	
37 1,1-Dichloroethane	63	8.042	8.041	0.001	100	1269839	7.56	
38 Vinyl acetate	43	8.138	8.141	-0.003	100	1340341	9.10	
39 2-Butanone (MEK)	72	8.596	8.601	-0.005	100	243895	8.09	
40 Hexane	56	8.644	8.642	0.002	90	651848	7.61	
41 cis-1,2-Dichloroethene	96	9.053	9.052	0.001	94	706076	7.68	
42 Ethyl acetate	43	9.225	9.229	-0.004	99	1084225	8.26	
43 Chloroform	83	9.408	9.403	0.005	97	1379316	7.43	
44 Tetrahydrofuran	42	9.806	9.816	-0.010	93	599765	8.13	
45 1,1,1-Trichloroethane	97	10.452	10.450	0.002	96	1426505	7.38	
46 1,2-Dichloroethane	62	10.548	10.547	0.001	96	840072	7.67	
47 n-Butanol	31	10.947	10.958	-0.011	86	287181	9.30	
48 Benzene	78	11.033	11.033	0.0	97	1886757	7.78	
49 Cyclohexane	69	11.043	11.040	0.003	90	372992	7.80	
50 Carbon tetrachloride	117	11.060	11.059	0.001	99	1616119	8.07	
51 2,3-Dimethylpentane	71	11.151	11.148	0.003	92	450381	7.88	
52 Thiophene	84	11.302	11.297	0.005	96	1166754	7.79	
53 Isooctane	57	11.775	11.771	0.004	98	3277019	7.92	
54 n-Heptane	71	12.130	12.130	0.0	91	706282	8.24	
55 1,2-Dichloropropane	63	12.216	12.214	0.002	85	610860	7.46	
56 Trichloroethene	130	12.254	12.252	0.002	96	953846	8.11	
57 Dibromomethane	93	12.334	12.332	0.002	93	853084	7.91	
59 Dichlorobromomethane	83	12.474	12.472	0.002	99	1438067	8.41	
58 1,4-Dioxane	88	12.474	12.483	-0.009	36	263409	8.97	
60 Methyl methacrylate	41	12.544	12.548	-0.004	91	682355	9.28	
61 Methylcyclohexane	83	13.012	13.013	-0.001	96	1256319	7.70	
62 4-Methyl-2-pentanone (MIBK)	43	13.378	13.382	-0.004	97	1423315	9.61	
63 cis-1,3-Dichloropropene	75	13.448	13.448	0.0	94	928432	7.99	
64 trans-1,3-Dichloropropene	75	14.126	14.126	0.0	97	879585	8.17	
65 Toluene	91	14.266	14.262	0.004	94	1869974	7.76	
66 1,1,2-Trichloroethane	83	14.330	14.328	0.002	96	586633	7.68	
67 2-Methylthiophene	97	14.416	14.413	0.003	97	1636492	7.55	
68 3-Methylthiophene	97	14.615	14.612	0.003	99	1654764	7.61	
69 2-Hexanone	58	14.691	14.694	-0.003	94	755508	9.57	
70 n-Octane	85	14.927	14.928	-0.001	92	718344	8.12	
71 Chlorodibromomethane	129	15.030	15.027	0.003	95	1496245	8.87	
72 Ethylene Dibromide	107	15.320	15.317	0.003	98	1055365	8.06	
73 Tetrachloroethene	129	15.395	15.393	0.002	95	851426	7.58	
75 Chlorobenzene	112	16.256	16.256	0.0	92	1616541	7.85	
74 2,3-Dimethylheptane	43	16.261	16.260	0.001	91	1960561	7.39	
76 Ethylbenzene	91	16.536	16.536	0.0	98	2251254	8.45	
77 2-Ethylthiophene	97	16.638	16.638	0.0	97	1757131	8.42	
78 m-Xylene & p-Xylene	91	16.697	16.696	0.001	98	3582524	16.7	
79 n-Nonane	57	17.101	17.098	0.003	90	1384118	8.28	
81 Bromoform	173	17.149	17.149	0.0	94	1345387	10.1	
80 Styrene	104	17.160	17.157	0.003	97	1446724	9.80	
82 o-Xylene	91	17.219	17.220	-0.001	97	1860295	8.54	
83 1,1,2,2-Tetrachloroethane	83	17.536	17.534	0.002	99	1658051	9.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.692	17.690	0.002	97	398010	9.32	
85 Isopropylbenzene	105	17.795	17.793	0.002	96	2789508	8.99	
86 N-Propylbenzene	120	18.311	18.310	0.001	99	814479	9.95	
87 2-Chlorotoluene	126	18.359	18.357	0.002	96	748591	8.76	
88 4-Ethyltoluene	105	18.456	18.454	0.002	97	2848420	9.84	
89 1,3,5-Trimethylbenzene	120	18.526	18.524	0.002	94	1440763	9.90	
90 Alpha Methyl Styrene	118	18.747	18.745	0.002	86	1265706	12.1	
91 n-Decane	57	18.795	18.793	0.002	90	1630218	9.15	
92 tert-Butylbenzene	119	18.940	18.937	0.003	88	2882125	10.1	
93 1,2,4-Trimethylbenzene	105	18.951	18.949	0.002	90	2560408	10.1	
94 sec-Butylbenzene	105	19.199	19.196	0.003	97	3698797	9.99	
95 1,3-Dichlorobenzene	146	19.220	19.217	0.003	98	1658482	10.0	
96 Benzyl chloride	91	19.290	19.288	0.002	99	2044904	10.8	
97 1,4-Dichlorobenzene	146	19.301	19.302	-0.001	95	1570678	10.2	
98 4-Isopropyltoluene	119	19.355	19.352	0.003	87	3044134	10.3	
99 1,2,3-Trimethylbenzene	105	19.408	19.409	-0.001	97	2027503	9.86	
100 Butylcyclohexane	83	19.462	19.460	0.002	95	1999366	8.52	
101 2,3-Dihydroindene	117	19.656	19.653	0.003	90	2414878	10.5	
102 1,2-Dichlorobenzene	146	19.656	19.653	0.003	84	1699055	10.5	
103 n-Butylbenzene	91	19.780	19.777	0.003	97	2897714	10.5	
104 Indene	116	19.780	19.781	-0.001	86	2436478	12.1	
105 Undecane	57	20.070	20.068	0.002	94	1801735	10.0	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.140	20.138	0.002	96	2922288	10.5	
108 1,2,4,5-Tetramethylbenzene	119	20.527	20.525	0.002	97	3137565	11.2	
107 1,2,3,5-Tetramethylbenzene	119	20.581	20.582	-0.001	96	1875036	10.3	
109 1,2,3,4-Tetramethylbenzene	119	21.001	20.998	0.003	97	2444837	10.8	
110 Dodecane	57	21.146	21.148	-0.002	96	1806559	9.72	
111 1,2,4-Trichlorobenzene	180	21.377	21.379	-0.002	92	910586	12.6	
112 Naphthalene	128	21.528	21.527	0.001	99	2216472	10.8	
113 Benzo(b)thiophene	134	21.630	21.631	-0.001	99	1529823	11.0	
114 Hexachlorobutadiene	225	21.727	21.729	-0.002	85	1511092	10.2	
115 1,2,3-Trichlorobenzene	180	21.797	21.800	-0.003	94	979161	10.5	
116 2-Methylnaphthalene	142	22.448	22.449	-0.001	96	1671920	76.9	
117 1-Methylnaphthalene	142	22.582	22.583	-0.001	95	1506542	67.2	
139 Isopropyl ether	45	8.789	8.794	-0.005	97	1812554	NR	
142 Tert-butyl ethyl ether	59	9.483	9.487	-0.004	95	1742738	NR	
140 Tert-amyl methyl ether	73	11.474	11.482	-0.008	92	1719215	NR	
A 118 C6 Range	1	8.639	8.563 -	8.714	0	7329744	7.88	
A 122 Toluene Range	1	14.266	14.236 -	14.296	0	4461089	7.59	
A 123 C8 Range	1	14.927	14.879 -	14.976	0	6451566	7.09	
S 124 Xylenes, Total	100				0		25.2	

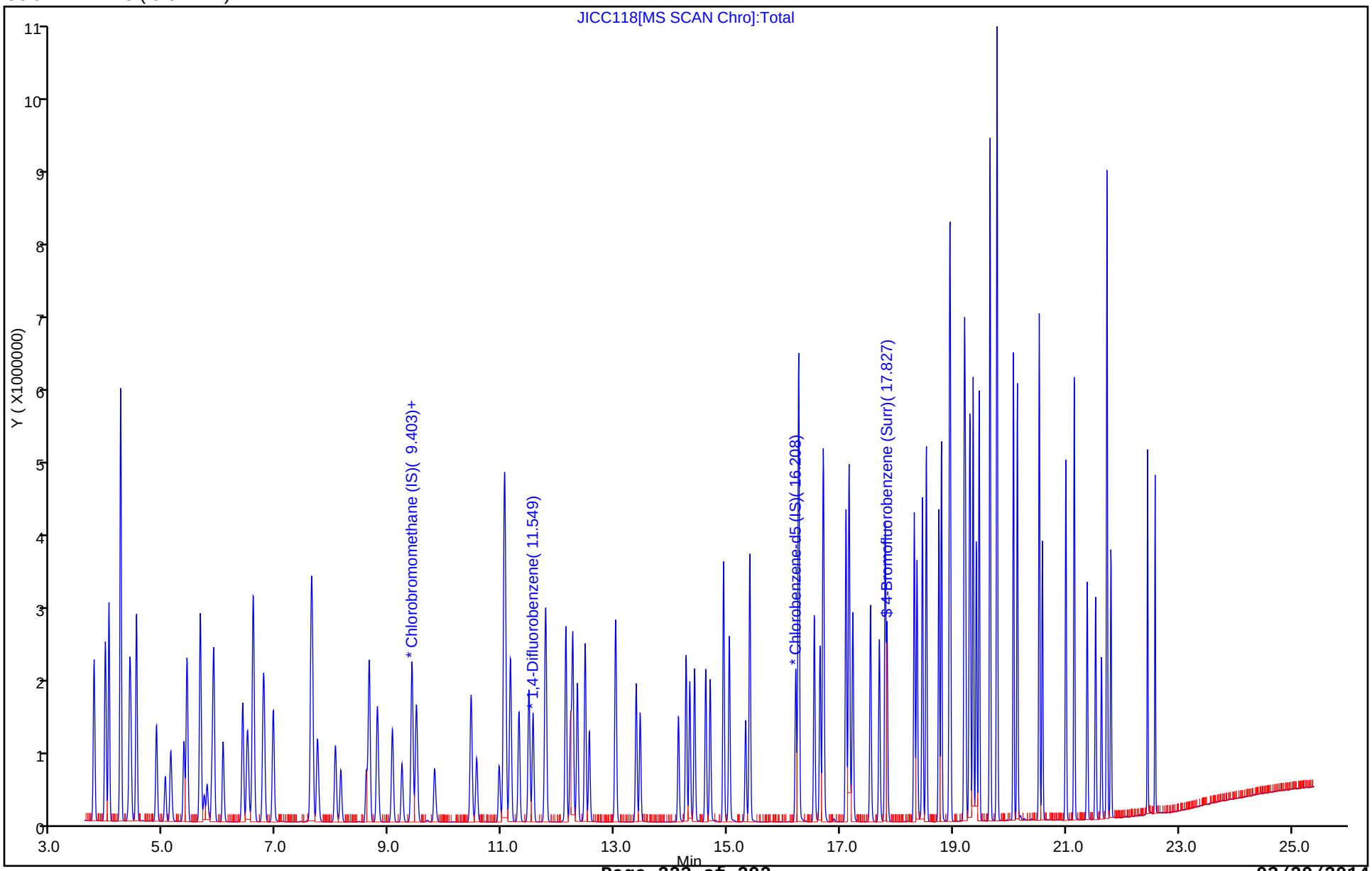
Report Date: 14-Mar-2014 14:44:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC118.D

Injection Date:	11-Mar-2014 19:02:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L8	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

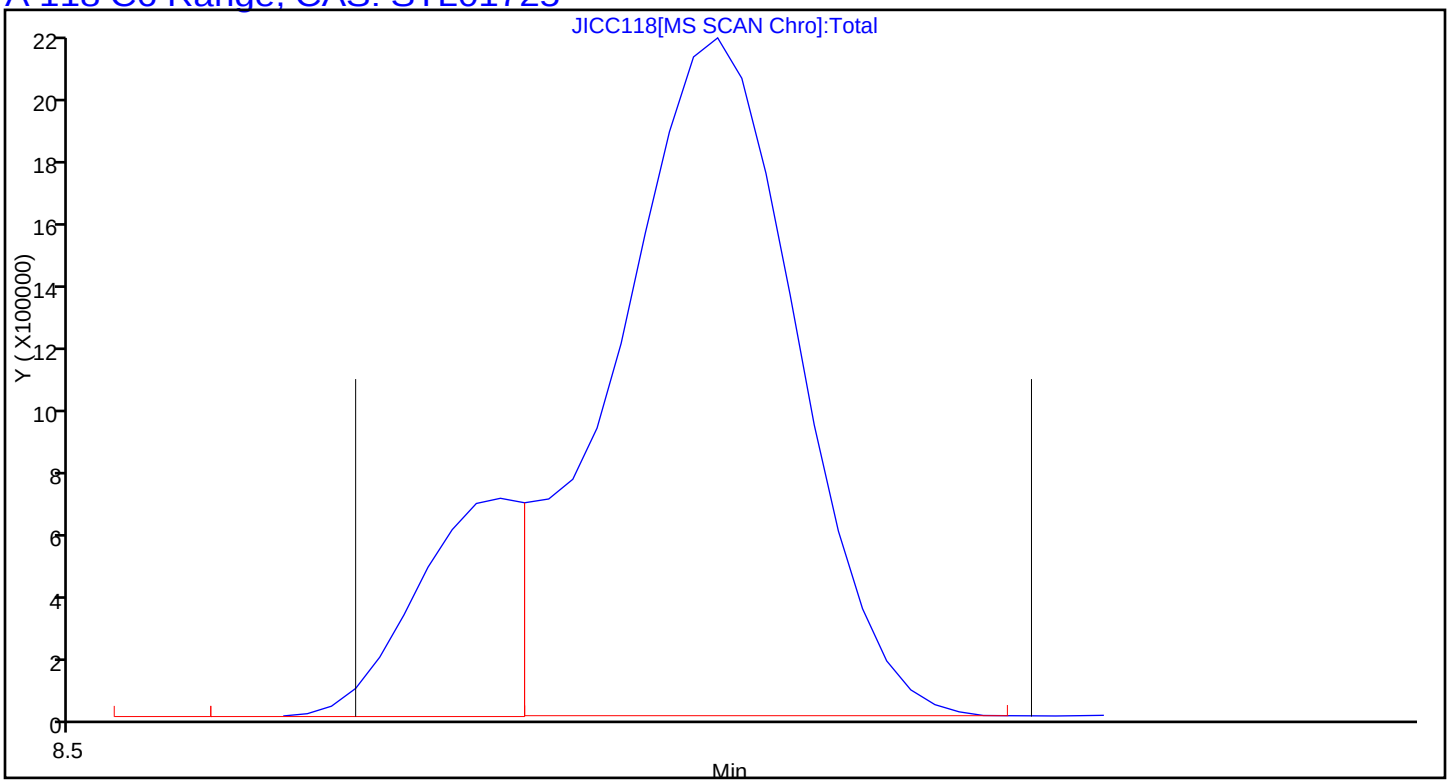


Report Date: 14-Mar-2014 14:44:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC118.D				
Injection Date:	11-Mar-2014 19:02:30	Instrument ID:	MJ		
Lims ID:	IC L8	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

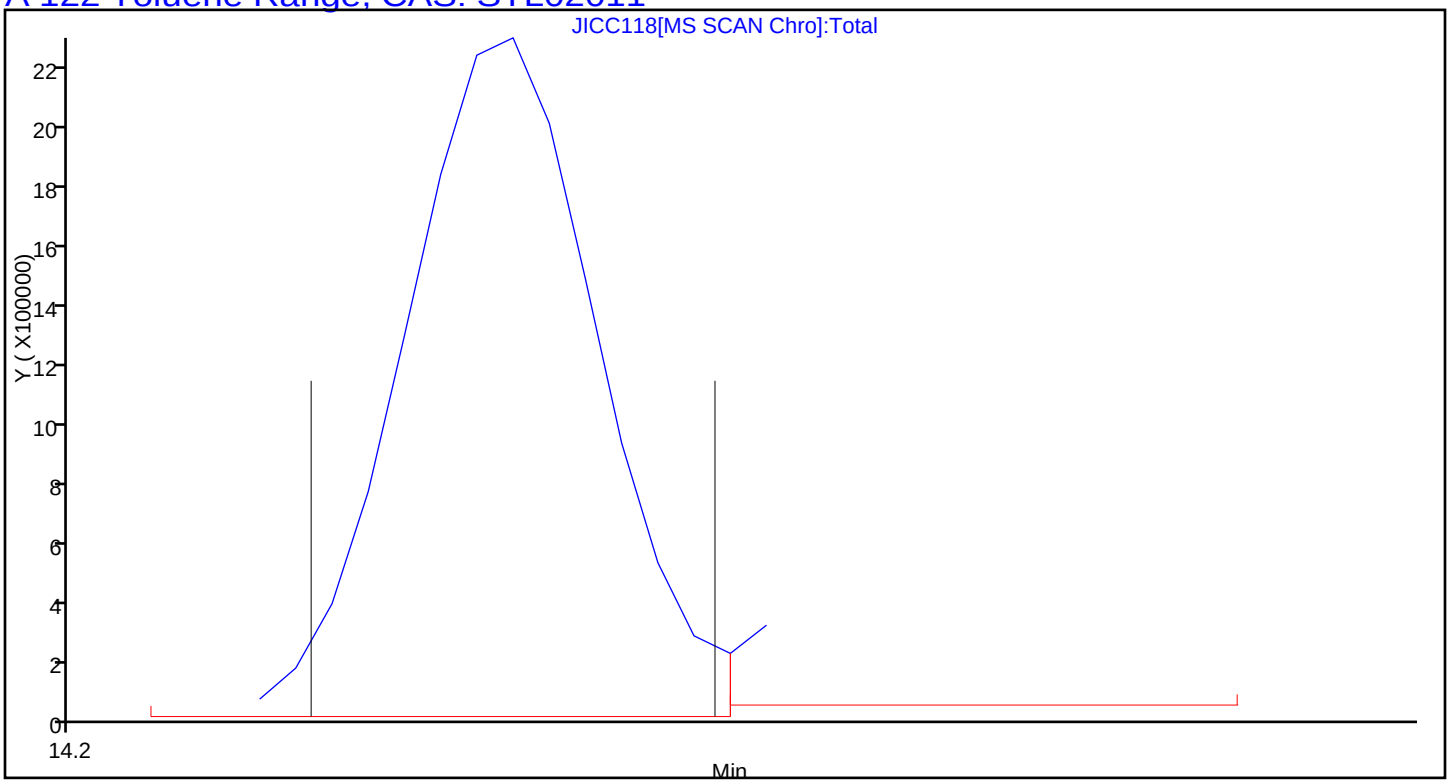


Report Date: 14-Mar-2014 14:44:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC118.D				
Injection Date:	11-Mar-2014 19:02:30	Instrument ID:	MJ		
Lims ID:	IC L8	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

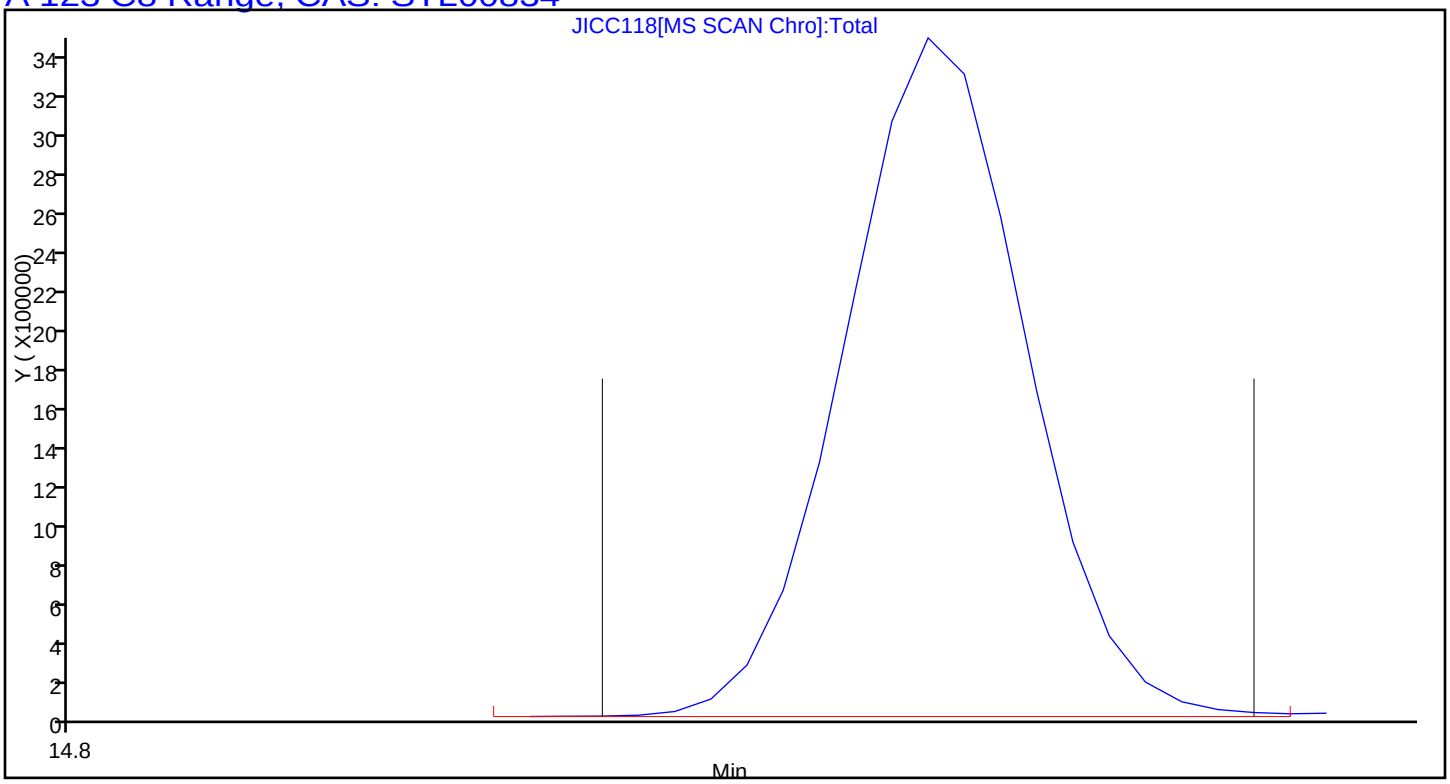


Report Date: 14-Mar-2014 14:44:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC118.D				
Injection Date:	11-Mar-2014 19:02:30	Instrument ID:	MJ		
Lims ID:	IC L8	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	14	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D
Lims ID: IC L9 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 11-Mar-2014 19:57:30 ALS Bottle#: 15 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: ICAL9,,1,9,,ICAL 16
Misc. Info.: J031114I,TO15,,140-0000516-010
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 14:44:43 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 14:44:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.403	9.392	0.011	95	350824	4.00	
* 2 1,4-Difluorobenzene	114	11.555	11.547	0.008	89	1417201	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.214	16.208	0.006	86	1302893	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.828	17.825	0.003	89	942607	4.09	
6 Chlorodifluoromethane	67	3.959	3.960	-0.001	96	505684	14.0	
7 Propene	41	3.970	3.973	-0.003	99	1458925	13.6	
8 Dichlorodifluoromethane	85	4.029	4.029	0.0	98	4882515	14.1	
9 Chloromethane	52	4.228	4.230	-0.002	99	494916	12.5	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.239	4.238	0.001	85	3992171	15.2	
11 Acetaldehyde	44	4.401	4.398	0.003	96	2205919	63.7	
12 Vinyl chloride	62	4.422	4.419	0.003	99	1770210	13.6	
14 Butadiene	54	4.519	4.517	0.002	69	1224939	13.6	
13 Butane	43	4.519	4.517	0.002	84	2267439	12.3	
15 Bromomethane	94	4.874	4.871	0.003	99	1918491	14.5	
16 Chloroethane	64	5.030	5.027	0.003	99	852776	14.3	
17 Ethanol	31	5.132	5.122	0.010	93	1841235	65.4	
18 Vinyl bromide	106	5.363	5.357	0.006	99	1753642	15.6	
19 2-Methylbutane	43	5.417	5.411	0.006	91	1976924	13.3	
20 Trichlorofluoromethane	101	5.654	5.647	0.007	99	4559353	14.9	
21 Acrolein	56	5.654	5.650	0.004	82	437980	15.3	
22 Acetonitrile	40	5.724	5.720	0.004	99	477609	15.1	
23 Acetone	58	5.772	5.776	-0.004	77	454598	9.12	
24 Isopropyl alcohol	45	5.864	5.858	0.006	86	1891993	14.4	
25 Pentane	72	5.891	5.884	0.007	98	289822	15.4	
26 Ethyl ether	31	6.057	6.059	-0.002	95	1293462	14.1	
27 1,1-Dichloroethene	96	6.407	6.399	0.008	100	1499326	15.2	
28 2-Methyl-2-propanol	59	6.493	6.487	0.006	94	2357157	14.5	
29 Acrylonitrile	53	6.504	6.498	0.006	94	846522	16.2	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.590	6.586	0.004	97	3210350	15.2	
31 Methylene Chloride	84	6.767	6.759	0.008	92	1306630	13.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.789	6.778	0.011	94	1253863	12.8	
33 Carbon disulfide	76	6.945	6.942	0.003	99	4789123	14.5	
34 trans-1,2-Dichloroethene	96	7.617	7.609	0.008	96	1705804	14.4	
35 2-Methylpentane	43	7.639	7.631	0.008	92	3402713	12.6	
36 Methyl tert-butyl ether	73	7.730	7.738	-0.008	96	2584260	14.4	
37 1,1-Dichloroethane	63	8.048	8.041	0.007	100	2513809	13.6	
38 Vinyl acetate	43	8.145	8.141	0.004	100	2572051	15.9	
39 2-Butanone (MEK)	72	8.597	8.601	-0.005	100	487204	14.7	
40 Hexane	56	8.650	8.642	0.008	90	1264226	13.4	
41 cis-1,2-Dichloroethene	96	9.059	9.052	0.007	93	1451411	14.3	
42 Ethyl acetate	43	9.231	9.229	0.002	99	2092150	14.5	
43 Chloroform	83	9.414	9.403	0.011	97	2790275	13.6	
44 Tetrahydrofuran	42	9.807	9.816	-0.009	93	1179659	14.5	
45 1,1,1-Trichloroethane	97	10.452	10.450	0.002	96	2968435	13.9	
46 1,2-Dichloroethane	62	10.555	10.547	0.008	95	1727411	15.7	
47 n-Butanol	31	10.958	10.958	0.0	86	562689	18.2	
48 Benzene	78	11.039	11.033	0.006	97	3816101	15.7	
49 Cyclohexane	69	11.044	11.040	0.004	82	734107	15.3	
50 Carbon tetrachloride	117	11.060	11.059	0.001	98	3477511	17.3	
51 2,3-Dimethylpentane	71	11.152	11.148	0.004	91	895905	15.6	
52 Thiophene	84	11.302	11.297	0.005	95	2407949	16.0	
53 Isooctane	57	11.776	11.771	0.005	97	6188593	14.9	
54 n-Heptane	71	12.136	12.130	0.006	89	1414497	16.4	
55 1,2-Dichloropropane	63	12.222	12.214	0.008	90	1374081	16.7	
56 Trichloroethene	130	12.260	12.252	0.008	94	2020928	17.1	
57 Dibromomethane	93	12.341	12.332	0.009	95	1782109	16.5	
59 Dichlorobromomethane	83	12.475	12.472	0.003	99	2968189	17.3	
58 1,4-Dioxane	88	12.475	12.483	-0.008	55	535040	18.2	
60 Methyl methacrylate	41	12.550	12.548	0.002	89	1312475	17.8	
61 Methylcyclohexane	83	13.018	13.013	0.005	97	2529310	15.5	
62 4-Methyl-2-pentanone (MIBK)	43	13.384	13.382	0.002	97	2713031	18.3	
63 cis-1,3-Dichloropropene	75	13.454	13.448	0.006	92	2069482	17.7	
64 trans-1,3-Dichloropropene	75	14.132	14.126	0.006	97	1963516	18.2	
65 Toluene	91	14.266	14.262	0.004	92	4086312	16.9	
66 1,1,2-Trichloroethane	83	14.331	14.328	0.003	97	1314579	17.2	
67 2-Methylthiophene	97	14.417	14.413	0.004	96	3652163	16.8	
68 3-Methylthiophene	97	14.616	14.612	0.004	98	3714685	17.0	
69 2-Hexanone	58	14.697	14.694	0.003	95	1451418	18.3	
70 n-Octane	85	14.934	14.928	0.006	89	1469379	16.6	
71 Chlorodibromomethane	129	15.036	15.027	0.009	94	3347546	19.8	
72 Ethylene Dibromide	107	15.321	15.317	0.004	98	2473337	18.8	
73 Tetrachloroethene	129	15.396	15.393	0.003	97	1888055	16.8	
75 Chlorobenzene	112	16.262	16.256	0.006	97	3736744	18.1	
74 2,3-Dimethylheptane	43	16.268	16.260	0.008	85	3283977	12.3	
76 Ethylbenzene	91	16.542	16.536	0.006	97	4621160	17.3	
77 2-Ethylthiophene	97	16.644	16.638	0.006	96	3695934	17.7	
78 m-Xylene & p-Xylene	91	16.703	16.696	0.007	96	7138010	33.1	
79 n-Nonane	57	17.101	17.098	0.003	85	2746405	16.4	
81 Bromoform	173	17.155	17.149	0.006	95	3400531	25.5	
80 Styrene	104	17.161	17.157	0.004	96	3101488	21.0	
82 o-Xylene	91	17.225	17.220	0.005	99	3743538	17.1	
83 1,1,2,2-Tetrachloroethane	83	17.537	17.534	0.003	99	3301073	18.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.693	17.690	0.003	96	836915	19.6	
85 Isopropylbenzene	105	17.801	17.793	0.008	95	5530866	17.8	
86 N-Propylbenzene	120	18.312	18.310	0.002	97	1741082	21.2	
87 2-Chlorotoluene	126	18.360	18.357	0.003	93	1667404	19.5	
88 4-Ethyltoluene	105	18.457	18.454	0.003	96	5599605	19.3	
89 1,3,5-Trimethylbenzene	120	18.527	18.524	0.003	95	3015712	20.7	
90 Alpha Methyl Styrene	118	18.748	18.745	0.003	86	2701607	25.8	
91 n-Decane	57	18.796	18.793	0.003	91	3036195	17.0	
92 tert-Butylbenzene	119	18.941	18.937	0.004	89	5759135	20.2	
93 1,2,4-Trimethylbenzene	105	18.952	18.949	0.003	89	5045591	19.9	
94 sec-Butylbenzene	105	19.199	19.196	0.003	96	7092519	19.1	
95 1,3-Dichlorobenzene	146	19.221	19.217	0.004	95	3841334	23.1	
96 Benzyl chloride	91	19.291	19.288	0.003	95	4188073	22.2	
97 1,4-Dichlorobenzene	146	19.307	19.302	0.005	94	3642996	23.5	
98 4-Isopropyltoluene	119	19.355	19.352	0.003	84	5986441	20.1	
99 1,2,3-Trimethylbenzene	105	19.415	19.409	0.006	96	3990183	19.4	
100 Butylcyclohexane	83	19.463	19.460	0.003	96	4012634	17.1	
101 2,3-Dihydroindene	117	19.657	19.653	0.004	90	4915942	21.3	
102 1,2-Dichlorobenzene	146	19.657	19.653	0.004	89	3809042	23.4	
103 n-Butylbenzene	91	19.780	19.777	0.003	95	5428724	19.7	
104 Indene	116	19.786	19.781	0.005	88	4978609	24.6	
105 Undecane	57	20.071	20.068	0.003	91	3299916	18.3	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.141	20.138	0.003	91	5841120	20.9	
108 1,2,4,5-Tetramethylbenzene	119	20.528	20.525	0.003	94	6339016	22.6	
107 1,2,3,5-Tetramethylbenzene	119	20.587	20.582	0.005	95	3871454	21.1	
109 1,2,3,4-Tetramethylbenzene	119	21.002	20.998	0.004	94	5109192	22.5	
110 Dodecane	57	21.152	21.148	0.004	96	3052464	16.4	
111 1,2,4-Trichlorobenzene	180	21.384	21.379	0.005	93	2137430	29.5	
112 Naphthalene	128	21.529	21.527	0.002	98	4750981	23.2	
113 Benzo(b)thiophene	134	21.631	21.631	0.0	99	3355982	24.2	
114 Hexachlorobutadiene	225	21.733	21.729	0.004	82	3388138	22.9	
115 1,2,3-Trichlorobenzene	180	21.803	21.800	0.003	95	2025463	21.7	
116 2-Methylnaphthalene	142	22.449	22.449	0.0	96	969606	44.5	
117 1-Methylnaphthalene	142	22.583	22.583	0.0	96	616839	27.4	
139 Isopropyl ether	45	8.796	8.794	0.002	96	3380667	NR	
142 Tert-butyl ethyl ether	59	9.484	9.487	-0.003	94	3237327	NR	
140 Tert-amyl methyl ether	73	11.480	11.482	-0.002	93	3205213	NR	
A 118 C6 Range	1	8.635	8.553 -	8.736	0	14110311	13.8	
A 122 Toluene Range	1	14.266	14.236 -	14.296	0	9697293	16.5	
A 123 C8 Range	1	14.928	14.880 -	14.977	0	12490633	13.7	
S 124 Xylenes, Total	100				0		50.3	

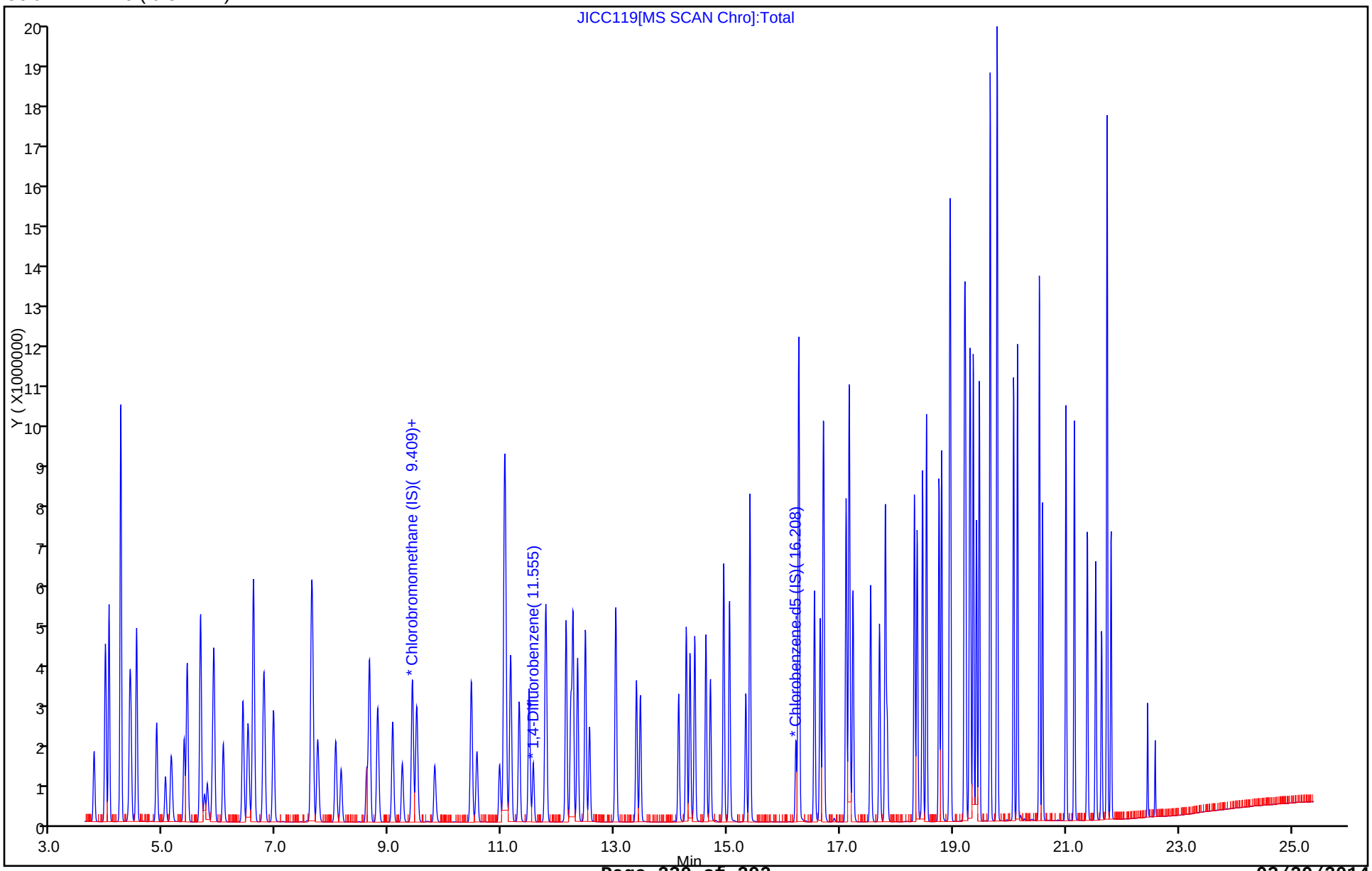
Report Date: 14-Mar-2014 14:44:44 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Injection Date:	11-Mar-2014 19:57:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	IC L9	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

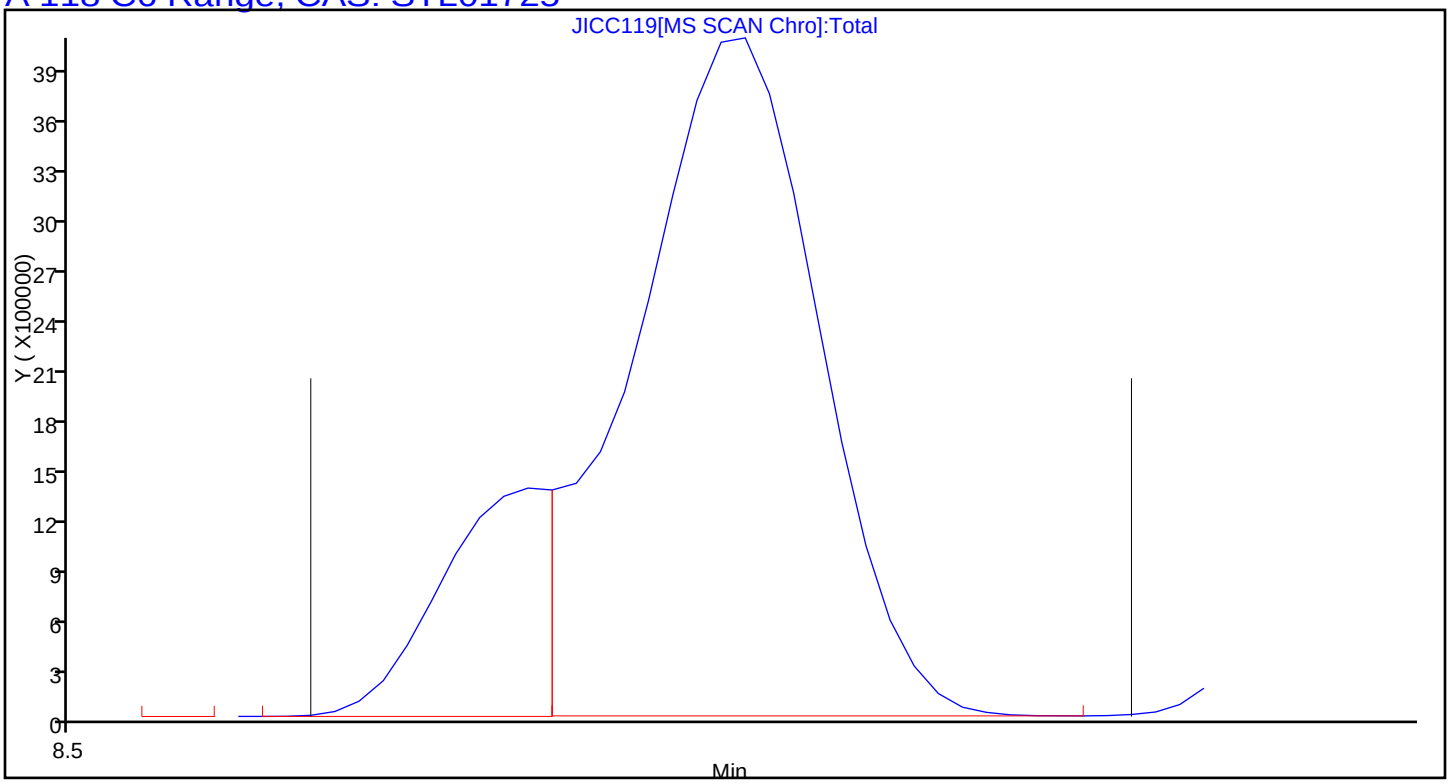


Report Date: 14-Mar-2014 14:44:44 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Injection Date:	11-Mar-2014 19:57:30	Instrument ID:	MJ		
Lims ID:	IC L9	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 118 C6 Range, CAS: STL01725

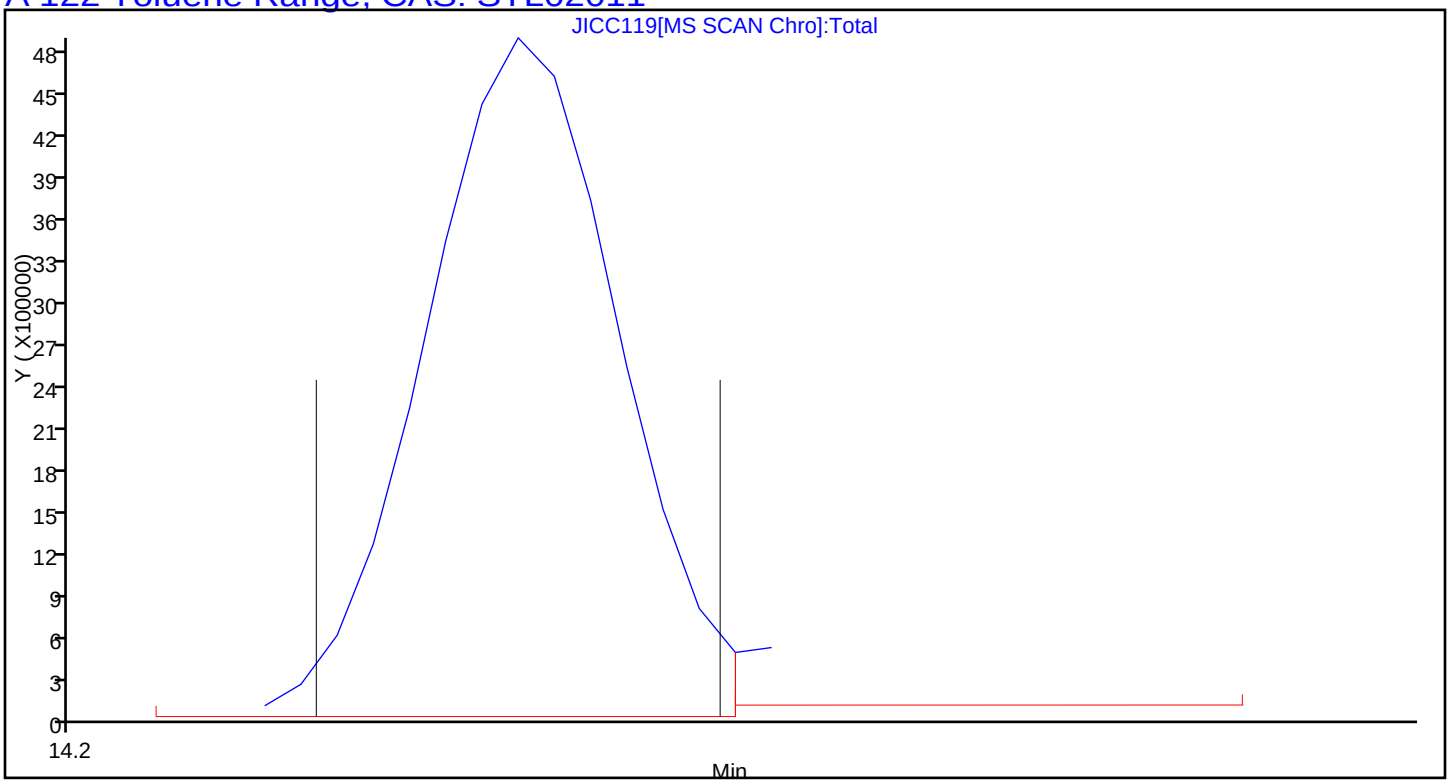


Report Date: 14-Mar-2014 14:44:44 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Injection Date:	11-Mar-2014 19:57:30	Instrument ID:	MJ		
Lims ID:	IC L9	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 Toluene Range, CAS: STL02011

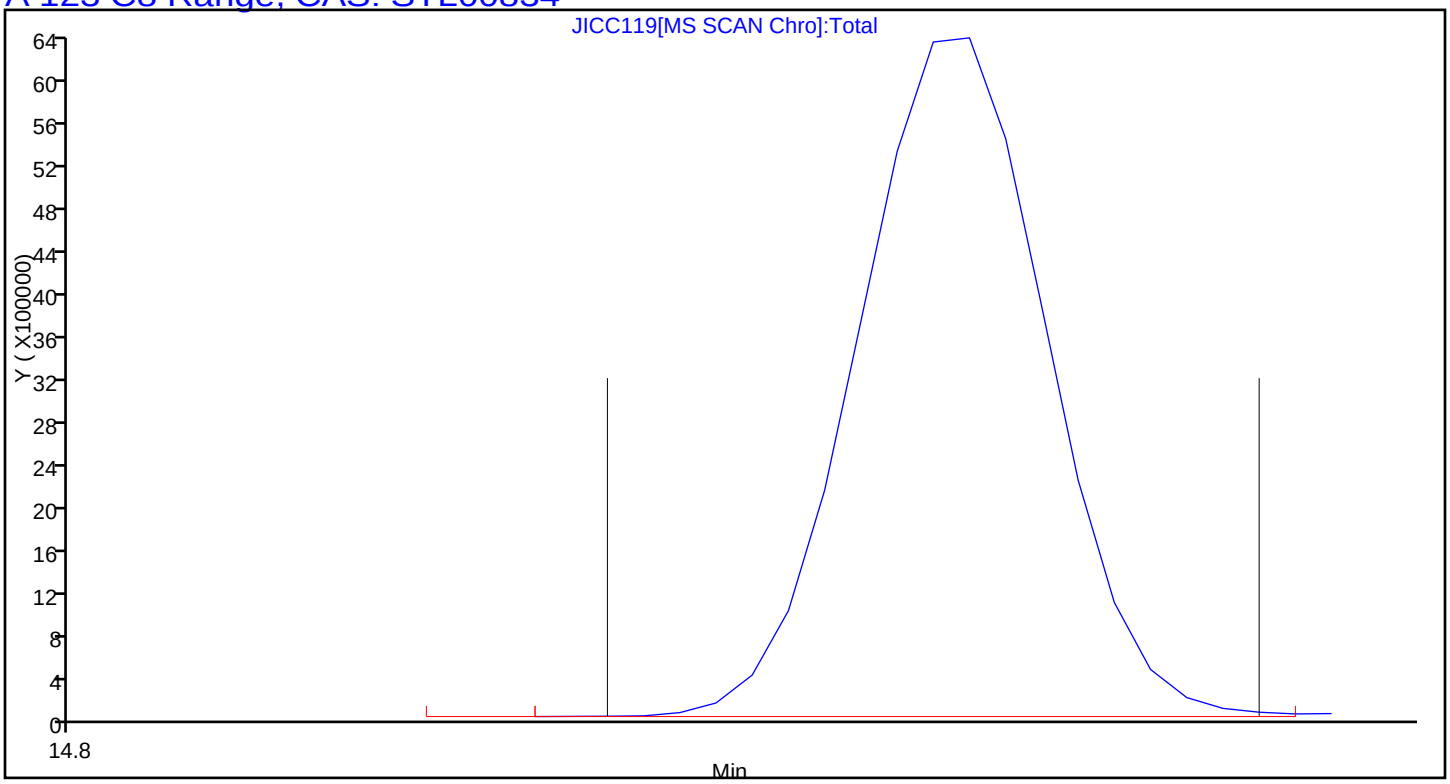


Report Date: 14-Mar-2014 14:44:44 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Injection Date:	11-Mar-2014 19:57:30	Instrument ID:	MJ		
Lims ID:	IC L9	Lab Sample ID:			
Client ID:					
Operator ID:	7126	ALS Bottle#:	15	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 123 C8 Range, CAS: STL00834



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: ICV 140-946/14 Calibration Date: 03/11/2014 23:33

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JLCSC11.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.4128	0.3927		1.90	2.00	-4.9	35.0
Propene	Ave	1.227	1.098		1.79	2.00	-10.4	35.0
Dichlorodifluoromethane	Ave	3.962	3.635		1.83	2.00	-8.3	35.0
Chloromethane	Ave	0.4501	0.4065		1.81	2.00	-9.7	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.990	3.017		2.02	2.00	0.9	35.0
Acetaldehyde	Ave	0.3947	0.3532		8.95	10.0	-10.5	80.0
Vinyl chloride	Ave	1.483	1.396		1.88	2.00	-5.9	35.0
1,3-Butadiene	Ave	1.030	1.004		1.95	2.00	-2.6	35.0
Butane	Ave	2.110	1.870		1.77	2.00	-11.4	35.0
Bromomethane	Ave	1.508	1.386		1.84	2.00	-8.1	35.0
Chloroethane	Ave	0.6822	0.6020		1.76	2.00	-11.8	35.0
Ethanol	Ave	0.3211	0.2779		8.65	10.0	-13.5	80.0
Vinyl bromide	Ave	1.283	1.299		2.03	2.00	1.3	35.0
2-Methylbutane	Ave	1.699	1.599		1.88	2.00	-5.9	35.0
Acrolein	Ave	0.3266	0.2252		1.38	2.00	-31.0	35.0
Trichlorofluoromethane	Ave	3.481	3.332		1.91	2.00	-4.3	35.0
Acetonitrile	Ave	0.3607	0.3021		1.68	2.00	-16.2	35.0
Acetone	Ave	0.5686	0.4096			2.00	-28.0	35.0
Isopropyl alcohol	Ave	1.501	1.466		1.95	2.00	-2.4	35.0
Pentane	Ave	0.2152	0.2069		1.92	2.00	-3.9	35.0
Ethyl ether	Ave	1.047	0.8811		1.68	2.00	-15.8	35.0
1,1-Dichloroethene	Ave	1.123	1.253		2.23	2.00	11.6	35.0
tert-Butyl alcohol	Ave	1.849	1.758		1.90	2.00	-5.0	35.0
Acrylonitrile	Ave	0.5945	0.5425		1.83	2.00	-8.7	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.412	2.678		2.22	2.00	11.1	35.0
Methylene Chloride	Ave	1.070	1.161		2.17	2.00	8.5	35.0
3-Chloropropene	Ave	1.113	1.032		1.86	2.00	-7.2	35.0
Carbon disulfide	Ave	3.763	3.823		2.03	2.00	1.6	35.0
trans-1,2-Dichloroethene	Ave	1.353	1.283		1.90	2.00	-5.1	35.0
2-Methylpentane	Ave	3.087	2.996		1.94	2.00	-2.9	80.0
Methyl tert-butyl ether	Ave	2.042	1.840		1.80	2.00	-9.9	35.0
1,1-Dichloroethane	Ave	2.111	2.102		1.99	2.00	-0.4	35.0
Vinyl acetate	Ave	1.849	1.657		1.79	2.00	-10.4	35.0
2-Butanone (MEK)	Ave	0.3786	0.3381		1.79	2.00	-10.7	35.0
Hexane	Ave	1.075	0.9854		1.83	2.00	-8.4	35.0
cis-1,2-Dichloroethene	Ave	1.155	1.171		2.03	2.00	1.4	35.0
Ethyl acetate	Ave	1.649	1.508		1.83	2.00	-8.6	35.0
Chloroform	Ave	2.331	2.280		1.96	2.00	-2.2	35.0
Tetrahydrofuran	Ave	0.9265	0.8140		1.76	2.00	-12.1	35.0
1,1,1-Trichloroethane	Ave	2.429	2.357		1.94	2.00	-3.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: ICV 140-946/14 Calibration Date: 03/11/2014 23:33

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JLCSC11.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane	Ave	0.3103	0.3053		1.97	2.00	-1.6	35.0
1-Butanol	Ave	0.0874	0.0831		1.90	2.00	-5.0	35.0
Benzene	Ave	0.6863	0.6700		1.95	2.00	-2.4	35.0
Cyclohexane	Ave	0.1354	0.1273		1.88	2.00	-6.0	35.0
Carbon tetrachloride	Ave	0.5669	0.5577		1.97	2.00	-1.6	35.0
2,3-Dimethylpentane	Ave	0.1619	0.1476		1.82	2.00	-8.9	80.0
Thiophene	Ave	0.4238	0.3980		1.88	2.00	-6.1	80.0
2,2,4-Trimethylpentane	Ave	1.172	1.096		1.87	2.00	-6.5	35.0
Heptane	Ave	0.2427	0.2273		1.87	2.00	-6.4	35.0
1,2-Dichloropropane	Ave	0.2320	0.2086		1.80	2.00	-10.1	35.0
Trichloroethene	Ave	0.3329	0.3084		1.85	2.00	-7.4	35.0
Dibromomethane	Ave	0.3053	0.2742		1.80	2.00	-10.2	35.0
Bromodichloromethane	Ave	0.4844	0.4604		1.90	2.00	-5.0	35.0
1,4-Dioxane	Ave	0.0831	0.0721		1.73	2.00	-13.3	35.0
Methyl methacrylate	Ave	0.2081	0.1844		1.77	2.00	-11.4	35.0
Methylcyclohexane	Ave	0.4620	0.4153		1.80	2.00	-10.1	80.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4193	0.3620		1.73	2.00	-13.7	35.0
cis-1,3-Dichloropropene	Ave	0.3291	0.2994		1.82	2.00	-9.0	35.0
trans-1,3-Dichloropropene	Ave	0.3315	0.2916		1.76	2.00	-12.0	35.0
Toluene	Ave	0.7420	0.6560		1.77	2.00	-11.6	35.0
1,1,2-Trichloroethane	Ave	0.2352	0.2032		1.73	2.00	-13.6	35.0
2-Methylthiophene	Ave	0.6668	0.5885		1.76	2.00	-11.8	80.0
3-Methylthiophene	Ave	0.6690	0.5758		1.72	2.00	-13.9	80.0
2-Hexanone	Ave	0.2430	0.2176		1.79	2.00	-10.5	35.0
Octane	Ave	0.2723	0.2524		1.85	2.00	-7.3	35.0
Dibromochloromethane	Ave	0.5191	0.4880		1.88	2.00	-6.0	35.0
1,2-Dibromoethane (EDB)	Ave	0.4030	0.3491		1.73	2.00	-13.4	35.0
Tetrachloroethene	Ave	0.3457	0.3028		1.75	2.00	-12.4	35.0
Chlorobenzene	Ave	0.6339	0.5280		1.67	2.00	-16.7	35.0
2,3-Dimethylheptane	Ave	0.8171	0.8009		1.96	2.00	-2.0	80.0
Ethylbenzene	Ave	0.8196	0.7195		1.76	2.00	-12.2	35.0
2-Ethylthiophene	Ave	0.6423	0.5532		1.72	2.00	-13.9	80.0
m-Xylene & p-Xylene	Ave	0.6614	0.5572		3.37	4.00	-15.7	35.0
Nonane	Ave	0.5146	0.4621		1.80	2.00	-10.2	35.0
Bromoform	Ave	0.4101	0.3532		1.72	2.00	-13.9	35.0
Styrene	Ave	0.4542	0.4097		1.80	2.00	-9.8	35.0
o-Xylene	Ave	0.6705	0.5779		1.72	2.00	-13.8	35.0
1,1,2,2-Tetrachloroethane	Ave	0.5478	0.4775		1.74	2.00	-12.8	35.0
1,2,3-Trichloropropane	Ave	0.1314	0.1129		1.72	2.00	-14.1	35.0
Isopropylbenzene	Ave	0.9553	0.8094		1.69	2.00	-15.3	35.0
Propylbenzene	Ave	0.2519	0.2135		1.70	2.00	-15.2	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: ICV 140-946/14 Calibration Date: 03/11/2014 23:33

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JLCSC11.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	0.2629	0.2127		1.62	2.00	-19.1	35.0
4-Ethyltoluene	Ave	0.8909	0.7838		1.76	2.00	-12.0	35.0
1,3,5-Trimethylbenzene	Ave	0.4479	0.3817		1.70	2.00	-14.8	35.0
Alpha Methyl Styrene	Ave	0.3209	0.2911		1.81	2.00	-9.3	35.0
Decane	Ave	0.5485	0.4798		1.75	2.00	-12.5	35.0
tert-Butylbenzene	Ave	0.8748	0.7380		1.69	2.00	-15.6	35.0
1,2,4-Trimethylbenzene	Ave	0.7768	0.6716		1.73	2.00	-13.6	35.0
sec-Butylbenzene	Ave	1.140	0.9809		1.72	2.00	-14.0	35.0
1,3-Dichlorobenzene	Ave	0.5106	0.3857		1.51	2.00	-24.5	35.0
Benzyl chloride	Ave	0.5802	0.4785		1.65	2.00	-17.5	35.0
1,4-Dichlorobenzene	Ave	0.4752	0.3601		1.52	2.00	-24.2	35.0
4-Isopropyltoluene	Ave	0.9141	0.7905		1.73	2.00	-13.5	35.0
1,2,3-Trimethylbenzene	Ave	0.6330	0.5684		1.80	2.00	-10.2	80.0
Butylcyclohexane	Ave	0.7225	0.6145		1.70	2.00	-14.9	80.0
Indane	Ave	0.7098	0.6057		1.71	2.00	-14.7	80.0
1,2-Dichlorobenzene	Ave	0.4994	0.3813		1.53	2.00	-23.6	35.0
Butylbenzene	Ave	0.8482	0.6995		1.65	2.00	-17.5	35.0
Indene	Ave	0.6202	0.5555		1.79	2.00	-10.4	80.0
Undecane	Ave	0.5525	0.4806		1.74	2.00	-13.0	35.0
1,2-Dimethyl-4-Ethylbenzene	Ave	0.8571	0.7156		1.67	2.00	-16.5	80.0
1,2,4,5-Tetramethylbenzene	Ave	0.8611	0.7687		1.79	2.00	-10.7	80.0
1,2,3,5-Tetramethylbenzene	Ave	0.5621	0.4782		1.70	2.00	-14.9	80.0
1,2,3,4-Tetramethylbenzene	Ave	0.6963	0.6065		1.74	2.00	-12.9	80.0
Dodecane	Ave	0.5721	0.5050		1.77	2.00	-11.7	35.0
1,2,4-Trichlorobenzene	Ave	0.2222	0.1874		1.69	2.00	-15.7	35.0
Naphthalene	Ave	0.6294	0.5313		1.69	2.00	-15.6	35.0
Benzo(b)thiophene	Ave	0.4265	0.3579		1.68	2.00	-16.1	80.0
Hexachlorobutadiene	Ave	0.4540	0.3272		1.44	2.00	-27.9	35.0
1,2,3-Trichlorobenzene	Ave	0.2871	0.2381		1.66	2.00	-17.1	35.0
2-Methylnaphthalene	Ave	0.0669	0.0445		8.32	12.5	-33.5	80.0
1-Methylnaphthalene	Ave	0.0690	0.0474		8.59	12.5	-31.3	80.0
4-Bromofluorobenzene (Surr)	Ave	0.7075	0.7141		4.04	4.00	0.9	35.0

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JLCSC11.D
Lims ID: ICV Lab Sample ID: ICV 140-949/14-A
Client ID:
Sample Type: ICV
Inject. Date: 11-Mar-2014 23:33:30 ALS Bottle#: 1 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: LCS/ICV,,3,,,
Misc. Info.: J031114I,TO15,,140-0000516-014
Operator ID: 7126 Instrument ID: MJ
Sublist:

Method: \\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 13:55:12 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: tajh Date: 12-Mar-2014 06:59:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.390	9.392	-0.002	93	326764	4.00	
* 2 1,4-Difluorobenzene	114	11.548	11.547	0.001	93	1541489	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.206	16.208	-0.002	87	1315171	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	89	939102	4.04	
6 Chlorodifluoromethane	67	3.957	3.960	-0.003	97	64162	1.90	
7 Propene	41	3.968	3.973	-0.005	99	179454	1.79	
8 Dichlorodifluoromethane	85	4.027	4.029	-0.002	100	593826	1.83	
9 Chloromethane	52	4.226	4.230	-0.004	98	66411	1.81	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.237	4.238	-0.001	90	492863	2.02	
11 Acetaldehyde	44	4.393	4.398	-0.005	98	288501	8.95	
12 Vinyl chloride	62	4.414	4.419	-0.005	99	228060	1.88	
14 Butadiene	54	4.511	4.517	-0.006	92	164047	1.95	
13 Butane	43	4.517	4.517	0.0	89	305448	1.77	
15 Bromomethane	94	4.866	4.871	-0.005	99	226405	1.84	
16 Chloroethane	64	5.022	5.027	-0.005	99	98352	1.76	
17 Ethanol	31	5.114	5.122	-0.008	94	227027	8.65	
18 Vinyl bromide	106	5.350	5.357	-0.007	97	212311	2.03	
19 2-Methylbutane	43	5.410	5.411	-0.001	92	261226	1.88	
20 Trichlorofluoromethane	101	5.646	5.647	-0.001	98	544405	1.91	
21 Acrolein	56	5.641	5.650	-0.009	27	36793	1.38	
22 Acetonitrile	40	5.711	5.720	-0.009	100	49356	1.68	
23 Acetone	58	5.770	5.776	-0.006	84	66917	1.44	
24 Isopropyl alcohol	45	5.845	5.858	-0.013	97	239534	1.95	
25 Pentane	72	5.883	5.884	-0.001	97	33800	1.92	
26 Ethyl ether	31	6.050	6.059	-0.009	93	143950	1.68	
27 1,1-Dichloroethene	96	6.399	6.399	0.0	97	204737	2.23	
28 2-Methyl-2-propanol	59	6.469	6.487	-0.018	94	287155	1.90	
29 Acrylonitrile	53	6.491	6.498	-0.007	94	88630	1.83	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.582	6.586	-0.004	94	437601	2.22	
31 Methylene Chloride	84	6.760	6.759	0.001	95	189676	2.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.776	6.778	-0.002	91	168678	1.86	
33 Carbon disulfide	76	6.937	6.942	-0.005	99	624567	2.03	
34 trans-1,2-Dichloroethene	96	7.604	7.609	-0.005	98	209642	1.90	
35 2-Methylpentane	43	7.631	7.631	0.0	95	489470	1.94	
36 Methyl tert-butyl ether	73	7.728	7.738	-0.010	96	300567	1.80	
37 1,1-Dichloroethane	63	8.040	8.041	-0.001	100	343423	1.99	
38 Vinyl acetate	43	8.137	8.141	-0.004	100	270800	1.79	
39 2-Butanone (MEK)	72	8.600	8.601	-0.001	100	55244	1.79	
40 Hexane	56	8.643	8.642	0.001	90	160988	1.83	
41 cis-1,2-Dichloroethene	96	9.051	9.052	-0.001	95	191302	2.03	
42 Ethyl acetate	43	9.224	9.229	-0.005	97	246331	1.83	
43 Chloroform	83	9.401	9.403	-0.002	88	372507	1.96	
44 Tetrahydrofuran	42	9.810	9.816	-0.006	94	132989	1.76	
45 1,1,1-Trichloroethane	97	10.450	10.450	0.0	96	385014	1.94	
46 1,2-Dichloroethane	62	10.547	10.547	0.0	95	235329	1.97	
47 n-Butanol	31	10.945	10.958	-0.013	87	64008	1.90	
48 Benzene	78	11.031	11.033	-0.002	97	516383	1.95	
49 Cyclohexane	69	11.042	11.040	0.002	92	98107	1.88	
50 Carbon tetrachloride	117	11.058	11.059	-0.001	97	429830	1.97	
51 2,3-Dimethylpentane	71	11.144	11.148	-0.004	92	113738	1.82	
52 Thiophene	84	11.300	11.297	0.003	96	306757	1.88	
53 Isooctane	57	11.768	11.771	-0.003	98	844794	1.87	
54 n-Heptane	71	12.129	12.130	-0.001	93	175150	1.87	
55 1,2-Dichloropropane	63	12.215	12.214	0.001	88	160801	1.80	
56 Trichloroethene	130	12.252	12.252	0.0	95	237727	1.85	
57 Dibromomethane	93	12.333	12.332	0.001	91	211308	1.80	
59 Dichlorobromomethane	83	12.473	12.472	0.001	99	354860	1.90	
58 1,4-Dioxane	88	12.478	12.483	-0.005	87	55564	1.73	
60 Methyl methacrylate	41	12.543	12.548	-0.005	91	142117	1.77	
61 Methylcyclohexane	83	13.011	13.013	-0.002	96	320093	1.80	
62 4-Methyl-2-pentanone (MIBK)	43	13.377	13.382	-0.005	98	278989	1.73	
63 cis-1,3-Dichloropropene	75	13.447	13.448	-0.001	95	230781	1.82	
64 trans-1,3-Dichloropropene	75	14.124	14.126	-0.002	99	191744	1.76	
65 Toluene	91	14.264	14.262	0.002	93	431398	1.77	
66 1,1,2-Trichloroethane	83	14.329	14.328	0.001	97	133590	1.73	
67 2-Methylthiophene	97	14.415	14.413	0.002	98	386959	1.76	
68 3-Methylthiophene	97	14.608	14.612	-0.004	99	378623	1.72	
69 2-Hexanone	58	14.689	14.694	-0.005	93	143062	1.79	
70 n-Octane	85	14.926	14.928	-0.002	95	165974	1.85	
71 Chlorodibromomethane	129	15.028	15.027	0.001	96	320894	1.88	
72 Ethylene Dibromide	107	15.319	15.317	0.002	98	229585	1.73	
73 Tetrachloroethene	129	15.394	15.393	0.001	92	199104	1.75	
75 Chlorobenzene	112	16.255	16.256	-0.001	84	347218	1.67	
74 2,3-Dimethylheptane	43	16.260	16.260	0.0	95	526675	1.96	
76 Ethylbenzene	91	16.534	16.536	-0.002	98	473153	1.76	
77 2-Ethylthiophene	97	16.637	16.638	-0.001	97	363744	1.72	
78 m-Xylene & p-Xylene	91	16.696	16.696	0.0	100	732866	3.37	
79 n-Nonane	57	17.099	17.098	0.001	93	303879	1.80	
81 Bromoform	173	17.148	17.149	-0.001	93	232231	1.72	
80 Styrene	104	17.158	17.157	0.001	98	269410	1.80	
82 o-Xylene	91	17.218	17.220	-0.002	99	380024	1.72	
83 1,1,2,2-Tetrachloroethane	83	17.530	17.534	-0.004	99	313972	1.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.691	17.690	0.001	97	74208	1.72	
85 Isopropylbenzene	105	17.793	17.793	0.0	96	532274	1.69	
86 N-Propylbenzene	120	18.310	18.310	0.0	98	140408	1.70	
87 2-Chlorotoluene	126	18.358	18.357	0.001	97	139891	1.62	
88 4-Ethyltoluene	105	18.455	18.454	0.001	98	515426	1.76	
89 1,3,5-Trimethylbenzene	120	18.525	18.524	0.001	92	251020	1.70	
90 Alpha Methyl Styrene	118	18.745	18.745	0.0	85	191429	1.81	
91 n-Decane	57	18.788	18.793	-0.005	89	315493	1.75	
92 tert-Butylbenzene	119	18.934	18.937	-0.003	87	485314	1.69	
93 1,2,4-Trimethylbenzene	105	18.950	18.949	0.001	92	441617	1.73	
94 sec-Butylbenzene	105	19.197	19.196	0.001	98	645034	1.72	
95 1,3-Dichlorobenzene	146	19.219	19.217	0.002	99	253635	1.51	
96 Benzyl chloride	91	19.283	19.288	-0.005	98	314626	1.65	
97 1,4-Dichlorobenzene	146	19.299	19.302	-0.003	93	236806	1.52	
98 4-Isopropyltoluene	119	19.353	19.352	0.001	88	519786	1.73	
99 1,2,3-Trimethylbenzene	105	19.407	19.409	-0.002	98	373764	1.80	
100 Butylcyclohexane	83	19.461	19.460	0.001	93	404088	1.70	
101 2,3-Dihydroindene	117	19.649	19.653	-0.004	89	398305	1.71	
102 1,2-Dichlorobenzene	146	19.654	19.653	0.001	79	250746	1.53	
103 n-Butylbenzene	91	19.773	19.777	-0.004	96	459993	1.65	
104 Indene	116	19.778	19.781	-0.003	86	365312	1.79	
105 Undecane	57	20.069	20.068	0.001	96	316015	1.74	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.139	20.138	0.001	97	470558	1.67	
108 1,2,4,5-Tetramethylbenzene	119	20.526	20.525	0.001	97	505503	1.79	
107 1,2,3,5-Tetramethylbenzene	119	20.580	20.582	-0.002	95	314467	1.70	
109 1,2,3,4-Tetramethylbenzene	119	20.999	20.998	0.001	96	398813	1.74	
110 Dodecane	57	21.145	21.148	-0.003	94	332106	1.77	
111 1,2,4-Trichlorobenzene	180	21.376	21.379	-0.003	94	123214	1.69	
112 Naphthalene	128	21.526	21.527	-0.001	99	349347	1.69	
113 Benzo(b)thiophene	134	21.629	21.631	-0.002	99	235321	1.68	
114 Hexachlorobutadiene	225	21.726	21.729	-0.003	84	215146	1.44	
115 1,2,3-Trichlorobenzene	180	21.801	21.800	0.001	96	156570	1.66	
116 2-Methylnaphthalene	142	22.446	22.449	-0.003	97	183079	8.32	
117 1-Methylnaphthalene	142	22.581	22.583	-0.002	96	194988	8.59	
139 Isopropyl ether	45	8.788	8.794	-0.006	97	419583	NR	
142 Tert-butyl ethyl ether	59	9.482	9.487	-0.005	96	370351	NR	
140 Tert-amyl methyl ether	73	11.478	11.482	-0.004	93	349396	NR	
A 118 C6 Range	1	8.633	8.553 -	8.736	0	1771274	1.86	
A 122 Toluene Range	1	14.266	14.236 -	14.296	0	1044079	1.76	
A 123 C8 Range	1	14.927	14.880 -	14.977	0	1637147	1.78	
S 124 Xylenes, Total	100				0		5.09	

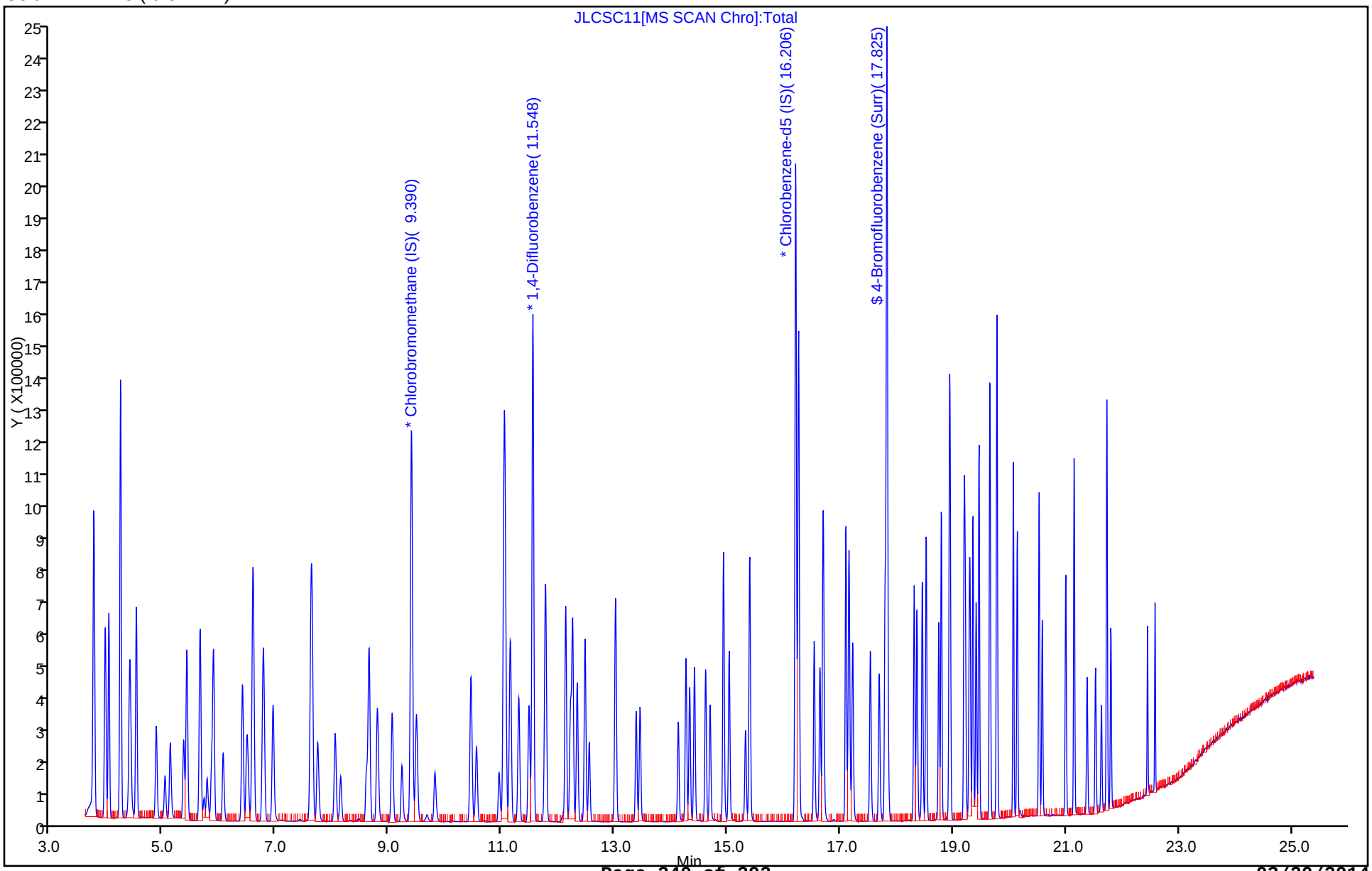
Report Date: 14-Mar-2014 13:55:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JLCSC11.D

Injection Date:	11-Mar-2014 23:33:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	ICV	Lab Sample ID:	ICV 140-949/14-A	Worklist Smp#:	14
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: CCVIS 140-950/2 Calibration Date: 03/12/2014 09:40

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JCCVC12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.4128	0.3768		1.83	2.00	-8.7	30.0
Propene	Ave	1.227	1.170		1.91	2.00	-4.6	30.0
Dichlorodifluoromethane	Ave	3.962	3.878		1.96	2.00	-2.1	30.0
Chloromethane	Ave	0.4501	0.4326		1.92	2.00	-3.9	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.990	3.027		2.02	2.00	1.2	30.0
Acetaldehyde	Ave	0.3947	0.3681		9.33	10.0	-6.7	50.0
Vinyl chloride	Ave	1.483	1.466		1.98	2.00	-1.2	30.0
1,3-Butadiene	Ave	1.030	1.017		1.97	2.00	-1.3	30.0
Butane	Ave	2.110	2.031		1.92	2.00	-3.8	30.0
Bromomethane	Ave	1.508	1.447		1.92	2.00	-4.1	30.0
Chloroethane	Ave	0.6822	0.6677		1.96	2.00	-2.1	30.0
Ethanol	Ave	0.3211	0.3302		10.3	10.0	2.8	50.0
Vinyl bromide	Ave	1.283	1.273		1.98	2.00	-0.8	30.0
2-Methylbutane	Ave	1.699	1.642		1.93	2.00	-3.4	30.0
Acrolein	Ave	0.3266	0.3518		2.15	2.00	7.7	30.0
Trichlorofluoromethane	Ave	3.481	3.488		2.00	2.00	0.2	30.0
Acetonitrile	Ave	0.3607	0.3954		2.19	2.00	9.6	30.0
Acetone	Ave	0.5686	0.4218			2.00	-25.8	30.0
Isopropyl alcohol	Ave	1.501	1.475		1.96	2.00	-1.8	30.0
Pentane	Ave	0.2152	0.2198		2.04	2.00	2.1	30.0
Ethyl ether	Ave	1.047	1.113		2.13	2.00	6.3	30.0
1,1-Dichloroethene	Ave	1.123	1.108		1.97	2.00	-1.4	30.0
tert-Butyl alcohol	Ave	1.849	1.678		1.81	2.00	-9.3	30.0
Acrylonitrile	Ave	0.5945	0.6889		2.32	2.00	15.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.412	2.414		2.00	2.00	0.0	30.0
Methylene Chloride	Ave	1.070	1.045		1.95	2.00	-2.3	30.0
3-Chloropropene	Ave	1.113	1.034		1.86	2.00	-7.1	30.0
Carbon disulfide	Ave	3.763	3.754		2.00	2.00	-0.2	30.0
trans-1,2-Dichloroethene	Ave	1.353	1.332		1.97	2.00	-1.5	30.0
2-Methylpentane	Ave	3.087	3.075		1.99	2.00	-0.4	50.0
Methyl tert-butyl ether	Ave	2.042	2.376		2.33	2.00	16.4	30.0
1,1-Dichloroethane	Ave	2.111	2.191		2.08	2.00	3.8	30.0
Vinyl acetate	Ave	1.849	2.191		2.37	2.00	18.5	30.0
2-Butanone (MEK)	Ave	0.3786	0.4300		2.27	2.00	13.6	30.0
Hexane	Ave	1.075	1.066		1.98	2.00	-0.8	30.0
cis-1,2-Dichloroethene	Ave	1.155	1.221		2.11	2.00	5.7	30.0
Ethyl acetate	Ave	1.649	1.978		2.40	2.00	20.0	30.0
Chloroform	Ave	2.331	2.408		2.07	2.00	3.3	30.0
Tetrahydrofuran	Ave	0.9265	1.076		2.32	2.00	16.2	30.0
1,1,1-Trichloroethane	Ave	2.429	2.512		2.07	2.00	3.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: CCVIS 140-950/2 Calibration Date: 03/12/2014 09:40

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JCCVC12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane	Ave	0.3103	0.3495		2.25	2.00	12.6	30.0
1-Butanol	Ave	0.0874	0.0938		2.15	2.00	7.3	30.0
Benzene	Ave	0.6863	0.7578		2.21	2.00	10.4	30.0
Cyclohexane	Ave	0.1354	0.1533		2.26	2.00	13.2	30.0
Carbon tetrachloride	Ave	0.5669	0.6503		2.29	2.00	14.7	30.0
2,3-Dimethylpentane	Ave	0.1619	0.1841		2.27	2.00	13.7	50.0
Thiophene	Ave	0.4238	0.4920		2.32	2.00	16.1	50.0
2,2,4-Trimethylpentane	Ave	1.172	1.362		2.32	2.00	16.2	30.0
Heptane	Ave	0.2427	0.2823		2.33	2.00	16.3	30.0
1,2-Dichloropropane	Ave	0.2320	0.2555		2.20	2.00	10.1	30.0
Trichloroethene	Ave	0.3329	0.3756		2.26	2.00	12.8	30.0
Dibromomethane	Ave	0.3053	0.3466		2.27	2.00	13.5	30.0
Bromodichloromethane	Ave	0.4844	0.5619		2.32	2.00	16.0	30.0
1,4-Dioxane	Ave	0.0831	0.0935		2.25	2.00	12.4	30.0
Methyl methacrylate	Ave	0.2081	0.2751		2.64	2.00	32.2*	30.0
Methylcyclohexane	Ave	0.4620	0.5174		2.24	2.00	12.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4193	0.5016		2.39	2.00	19.6	30.0
cis-1,3-Dichloropropene	Ave	0.3291	0.3596		2.19	2.00	9.3	30.0
trans-1,3-Dichloropropene	Ave	0.3315	0.4079		2.46	2.00	23.1	30.0
Toluene	Ave	0.7420	0.8892		2.40	2.00	19.8	30.0
1,1,2-Trichloroethane	Ave	0.2352	0.2739		2.33	2.00	16.5	30.0
2-Methylthiophene	Ave	0.6668	0.7846		2.35	2.00	17.7	50.0
3-Methylthiophene	Ave	0.6690	0.7845		2.35	2.00	17.3	50.0
2-Hexanone	Ave	0.2430	0.2962		2.44	2.00	21.9	30.0
Octane	Ave	0.2723	0.3225		2.37	2.00	18.4	30.0
Dibromochloromethane	Ave	0.5191	0.6172		2.38	2.00	18.9	30.0
1,2-Dibromoethane (EDB)	Ave	0.4030	0.4733		2.35	2.00	17.4	30.0
Tetrachloroethene	Ave	0.3457	0.3861		2.23	2.00	11.7	30.0
Chlorobenzene	Ave	0.6339	0.6946		2.19	2.00	9.6	30.0
2,3-Dimethylheptane	Ave	0.8171	0.9457		2.31	2.00	15.7	50.0
Ethylbenzene	Ave	0.8196	0.999		2.44	2.00	21.9	30.0
2-Ethylthiophene	Ave	0.6423	0.7829		2.44	2.00	21.9	50.0
m-Xylene & p-Xylene	Ave	0.6614	0.7889		4.77	4.00	19.3	30.0
Nonane	Ave	0.5146	0.5713		2.22	2.00	11.0	30.0
Bromoform	Ave	0.4101	0.4856		2.37	2.00	18.4	30.0
Styrene	Ave	0.4542	0.5672		2.50	2.00	24.9	30.0
o-Xylene	Ave	0.6705	0.8154		2.43	2.00	21.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5478	0.6728		2.46	2.00	22.8	30.0
1,2,3-Trichloropropane	Ave	0.1314	0.1630		2.48	2.00	24.1	30.0
Isopropylbenzene	Ave	0.9553	1.148		2.40	2.00	20.2	30.0
Propylbenzene	Ave	0.2519	0.3127		2.48	2.00	24.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Lab Sample ID: CCVIS 140-950/2 Calibration Date: 03/12/2014 09:40

Instrument ID: MJ Calib Start Date: 03/11/2014 12:40

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/11/2014 19:57

Lab File ID: JCCVC12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	0.2629	0.2971		2.26	2.00	13.0	30.0
4-Ethyltoluene	Ave	0.8909	1.127		2.53	2.00	26.5	30.0
1,3,5-Trimethylbenzene	Ave	0.4479	0.5345		2.39	2.00	19.3	30.0
Alpha Methyl Styrene	Ave	0.3209	0.4315		2.69	2.00	34.4*	30.0
Decane	Ave	0.5485	0.6444		2.35	2.00	17.5	30.0
tert-Butylbenzene	Ave	0.8748	1.037		2.37	2.00	18.6	30.0
1,2,4-Trimethylbenzene	Ave	0.7768	0.9487		2.44	2.00	22.1	30.0
sec-Butylbenzene	Ave	1.140	1.390		2.44	2.00	21.9	30.0
1,3-Dichlorobenzene	Ave	0.5106	0.5619		2.20	2.00	10.1	30.0
Benzyl chloride	Ave	0.5802	0.7249		2.50	2.00	24.9	30.0
1,4-Dichlorobenzene	Ave	0.4752	0.5243		2.21	2.00	10.3	30.0
4-Isopropyltoluene	Ave	0.9141	1.115		2.44	2.00	22.0	30.0
1,2,3-Trimethylbenzene	Ave	0.6330	0.7805		2.47	2.00	23.3	50.0
Butylcyclohexane	Ave	0.7225	0.7911		2.19	2.00	9.5	50.0
1,2-Dichlorobenzene	Ave	0.4994	0.5505		2.20	2.00	10.2	30.0
Indane	Ave	0.7098	0.8557		2.41	2.00	20.6	50.0
Butylbenzene	Ave	0.8482	0.999		2.36	2.00	17.8	30.0
Indene	Ave	0.6202	0.7934		2.56	2.00	27.9	50.0
Undecane	Ave	0.5525	0.6694		2.42	2.00	21.1	30.0
1,2-Dimethyl-4-Ethylbenzene	Ave	0.8571	0.9774		2.28	2.00	14.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	0.8611	1.029		2.39	2.00	19.5	50.0
1,2,3,5-Tetramethylbenzene	Ave	0.5621	0.6315		2.25	2.00	12.4	50.0
1,2,3,4-Tetramethylbenzene	Ave	0.6963	0.8127		2.33	2.00	16.7	50.0
Dodecane	Ave	0.5721	0.6694		2.34	2.00	17.0	30.0
1,2,4-Trichlorobenzene	Ave	0.2222	0.2604		2.34	2.00	17.2	30.0
Naphthalene	Ave	0.6294	0.7010		2.23	2.00	11.4	30.0
Benzo(b)thiophene	Ave	0.4265	0.4721		2.21	2.00	10.7	50.0
Hexachlorobutadiene	Ave	0.4540	0.4215		1.86	2.00	-7.2	30.0
1,2,3-Trichlorobenzene	Ave	0.2871	0.3032		2.11	2.00	5.6	30.0
2-Methylnaphthalene	Ave	0.0669	0.0773		14.4	12.5	15.4	50.0
1-Methylnaphthalene	Ave	0.0690	0.0808		14.6	12.5	17.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7075	0.7028		3.97	4.00	-0.7	30.0

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JCCVC12.D
Lims ID: ccvis Lab Sample ID:
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Mar-2014 09:40:30 ALS Bottle#: 9 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: CCV/LCS,,2,6,,ccvis
Misc. Info.: J031214,TO15,,140-0000517-002
Operator ID: 7126 Instrument ID: MJ
Sublist: chrom-MJ_TO15*sub3

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:59:47 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 15:19:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.396	9.396	0.0	92	351094	4.00	
* 2 1,4-Difluorobenzene	114	11.548	11.548	0.0	93	1471965	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.212	16.212	0.0	87	1230393	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	88	864653	3.97	
6 Chlorodifluoromethane	67	3.957	3.957	0.0	97	66145	1.83	
7 Propene	41	3.973	3.973	0.0	99	205445	1.91	
8 Dichlorodifluoromethane	85	4.033	4.033	0.0	100	680843	1.96	
9 Chloromethane	52	4.232	4.232	0.0	99	75935	1.92	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.237	4.237	0.0	92	531339	2.02	
11 Acetaldehyde	44	4.398	4.398	0.0	98	323047	9.33	
12 Vinyl chloride	62	4.420	4.420	0.0	99	257306	1.98	
14 Butadiene	54	4.517	4.517	0.0	66	178547	1.97	
13 Butane	43	4.517	4.517	0.0	86	356553	1.92	
15 Bromomethane	94	4.872	4.872	0.0	99	254021	1.92	
16 Chloroethane	64	5.028	5.028	0.0	99	117213	1.96	
17 Ethanol	31	5.119	5.119	0.0	95	289861	10.3	
18 Vinyl bromide	106	5.356	5.356	0.0	97	223466	1.98	
19 2-Methylbutane	43	5.415	5.415	0.0	92	288212	1.93	
20 Trichlorofluoromethane	101	5.652	5.652	0.0	98	612305	2.00	
21 Acrolein	56	5.652	5.652	0.0	60	61759	2.15	
22 Acetonitrile	40	5.722	5.722	0.0	99	69418	2.19	
23 Acetone	58	5.770	5.770	0.0	86	74039	1.48	
24 Isopropyl alcohol	45	5.856	5.856	0.0	97	258947	1.96	
25 Pentane	72	5.888	5.888	0.0	97	38578	2.04	
26 Ethyl ether	31	6.055	6.055	0.0	94	195368	2.13	
27 1,1-Dichloroethene	96	6.399	6.399	0.0	97	194427	1.97	
28 2-Methyl-2-propanol	59	6.480	6.480	0.0	92	294564	1.81	
29 Acrylonitrile	53	6.496	6.496	0.0	94	120929	2.32	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.588	6.588	0.0	94	423780	2.00	
31 Methylene Chloride	84	6.765	6.765	0.0	95	183505	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.781	6.781	0.0	92	181480	1.86	
33 Carbon disulfide	76	6.943	6.943	0.0	99	659055	2.00	
34 trans-1,2-Dichloroethene	96	7.610	7.610	0.0	98	233909	1.97	
35 2-Methylpentane	43	7.631	7.631	0.0	95	539868	1.99	
36 Methyl tert-butyl ether	73	7.734	7.734	0.0	96	417141	2.33	
37 1,1-Dichloroethane	63	8.046	8.046	0.0	100	384671	2.08	
38 Vinyl acetate	43	8.142	8.142	0.0	100	384587	2.37	
39 2-Butanone (MEK)	72	8.600	8.600	0.0	98	75493	2.27	
40 Hexane	56	8.643	8.643	0.0	90	187207	1.98	
41 cis-1,2-Dichloroethene	96	9.057	9.057	0.0	95	214256	2.11	
42 Ethyl acetate	43	9.224	9.224	0.0	98	347244	2.40	
43 Chloroform	83	9.407	9.407	0.0	96	422728	2.07	
44 Tetrahydrofuran	42	9.810	9.810	0.0	93	188971	2.32	
45 1,1,1-Trichloroethane	97	10.450	10.450	0.0	96	440966	2.07	
46 1,2-Dichloroethane	62	10.547	10.547	0.0	95	257216	2.25	
47 n-Butanol	31	10.951	10.951	0.0	88	69052	2.15	
48 Benzene	78	11.037	11.037	0.0	96	557749	2.21	
49 Cyclohexane	69	11.042	11.042	0.0	93	112801	2.26	
50 Carbon tetrachloride	117	11.058	11.058	0.0	94	478635	2.29	
51 2,3-Dimethylpentane	71	11.150	11.150	0.0	92	135508	2.27	
52 Thiophene	84	11.300	11.300	0.0	96	362127	2.32	
53 Isooctane	57	11.774	11.774	0.0	98	1002229	2.32	
54 n-Heptane	71	12.134	12.134	0.0	92	207775	2.33	
55 1,2-Dichloropropane	63	12.215	12.215	0.0	87	188036	2.20	
56 Trichloroethene	130	12.252	12.252	0.0	96	276445	2.26	
57 Dibromomethane	93	12.338	12.338	0.0	92	255085	2.27	
59 Dichlorobromomethane	83	12.473	12.473	0.0	99	413541	2.32	
58 1,4-Dioxane	88	12.478	12.478	0.0	82	68788	2.25	
60 Methyl methacrylate	41	12.548	12.548	0.0	91	202452	2.64	
61 Methylcyclohexane	83	13.016	13.016	0.0	96	380758	2.24	
62 4-Methyl-2-pentanone (MIBK)	43	13.382	13.382	0.0	98	369185	2.39	
63 cis-1,3-Dichloropropene	75	13.452	13.452	0.0	94	264662	2.19	
64 trans-1,3-Dichloropropene	75	14.130	14.130	0.0	98	250953	2.46	
65 Toluene	91	14.264	14.264	0.0	93	547047	2.40	
66 1,1,2-Trichloroethane	83	14.329	14.329	0.0	96	168525	2.33	
67 2-Methylthiophene	97	14.415	14.415	0.0	97	482708	2.35	
68 3-Methylthiophene	97	14.614	14.614	0.0	99	482649	2.35	
69 2-Hexanone	58	14.695	14.695	0.0	93	182240	2.44	
70 n-Octane	85	14.931	14.931	0.0	94	198375	2.37	
71 Chlorodibromomethane	129	15.034	15.034	0.0	96	379682	2.38	
72 Ethylene Dibromide	107	15.319	15.319	0.0	98	291150	2.35	
73 Tetrachloroethene	129	15.394	15.394	0.0	92	237522	2.23	
75 Chlorobenzene	112	16.260	16.260	0.0	87	427325	2.19	
74 2,3-Dimethylheptane	43	16.265	16.265	0.0	95	581788	2.31	
76 Ethylbenzene	91	16.540	16.540	0.0	98	614491	2.44	
77 2-Ethylthiophene	97	16.642	16.642	0.0	98	481621	2.44	
78 m-Xylene & p-Xylene	91	16.696	16.696	0.0	100	970593	4.77	
79 n-Nonane	57	17.099	17.099	0.0	92	351463	2.22	
81 Bromoform	173	17.153	17.153	0.0	94	298764	2.37	
80 Styrene	104	17.158	17.158	0.0	98	348918	2.50	
82 o-Xylene	91	17.223	17.223	0.0	96	501604	2.43	
83 1,1,2,2-Tetrachloroethane	83	17.535	17.535	0.0	99	413876	2.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
84 1,2,3-Trichloropropane	110	17.691	17.691	0.0	97	100271	2.48	
85 Isopropylbenzene	105	17.799	17.799	0.0	96	706430	2.40	
86 N-Propylbenzene	120	18.310	18.310	0.0	98	192392	2.48	
87 2-Chlorotoluene	126	18.358	18.358	0.0	97	182783	2.26	
88 4-Ethyltoluene	105	18.455	18.455	0.0	97	693265	2.53	
89 1,3,5-Trimethylbenzene	120	18.525	18.525	0.0	92	328795	2.39	
90 Alpha Methyl Styrene	118	18.751	18.751	0.0	87	265452	2.69	
91 n-Decane	57	18.794	18.794	0.0	88	396444	2.35	
92 tert-Butylbenzene	119	18.939	18.939	0.0	89	638112	2.37	
93 1,2,4-Trimethylbenzene	105	18.950	18.950	0.0	91	583620	2.44	
94 sec-Butylbenzene	105	19.197	19.197	0.0	98	855346	2.44	
95 1,3-Dichlorobenzene	146	19.219	19.219	0.0	98	345678	2.20	
96 Benzyl chloride	91	19.289	19.289	0.0	98	445968	2.50	
97 1,4-Dichlorobenzene	146	19.305	19.305	0.0	94	322515	2.21	
98 4-Isopropyltoluene	119	19.353	19.353	0.0	88	685968	2.44	
99 1,2,3-Trimethylbenzene	105	19.412	19.412	0.0	98	480131	2.47	
100 Butylcyclohexane	83	19.461	19.461	0.0	94	486680	2.19	
101 2,3-Dihydroindene	117	19.654	19.654	0.0	89	526398	2.41	
102 1,2-Dichlorobenzene	146	19.654	19.654	0.0	79	338656	2.20	
103 n-Butylbenzene	91	19.778	19.778	0.0	96	614771	2.36	
104 Indene	116	19.784	19.784	0.0	86	488116	2.56	
105 Undecane	57	20.069	20.069	0.0	96	411806	2.42	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.139	20.139	0.0	98	601314	2.28	
108 1,2,4,5-Tetramethylbenzene	119	20.526	20.526	0.0	97	633176	2.39	
107 1,2,3,5-Tetramethylbenzene	119	20.585	20.585	0.0	95	388505	2.25	
109 1,2,3,4-Tetramethylbenzene	119	20.999	20.999	0.0	97	499982	2.33	
110 Dodecane	57	21.150	21.150	0.0	95	411831	2.34	
111 1,2,4-Trichlorobenzene	180	21.381	21.381	0.0	94	160171	2.34	
112 Naphthalene	128	21.527	21.527	0.0	99	431244	2.23	
113 Benzo(b)thiophene	134	21.634	21.634	0.0	99	290449	2.21	
114 Hexachlorobutadiene	225	21.731	21.731	0.0	85	259293	1.86	
115 1,2,3-Trichlorobenzene	180	21.801	21.801	0.0	94	186517	2.11	
116 2-Methylnaphthalene	142	22.452	22.452	0.0	96	297052	14.4	
117 1-Methylnaphthalene	142	22.586	22.586	0.0	96	310757	14.6	
139 Isopropyl ether	45	8.793	8.793	0.0	1	551387	NR	
142 Tert-butyl ethyl ether	59	9.487	9.487	0.0	96	508021	NR	
140 Tert-amyl methyl ether	73	11.478	11.478	0.0	47	482166	NR	
A 118 C6 Range	1	8.643	8.573 -	8.713	0	2123955	2.07	
A 122 Toluene Range	1	14.264	14.234 -	14.294	0	1296641	2.33	
A 123 C8 Range	1	14.931	14.883 -	14.980	0	1898013	2.20	
S 124 Xylenes, Total	100				0		7.20	

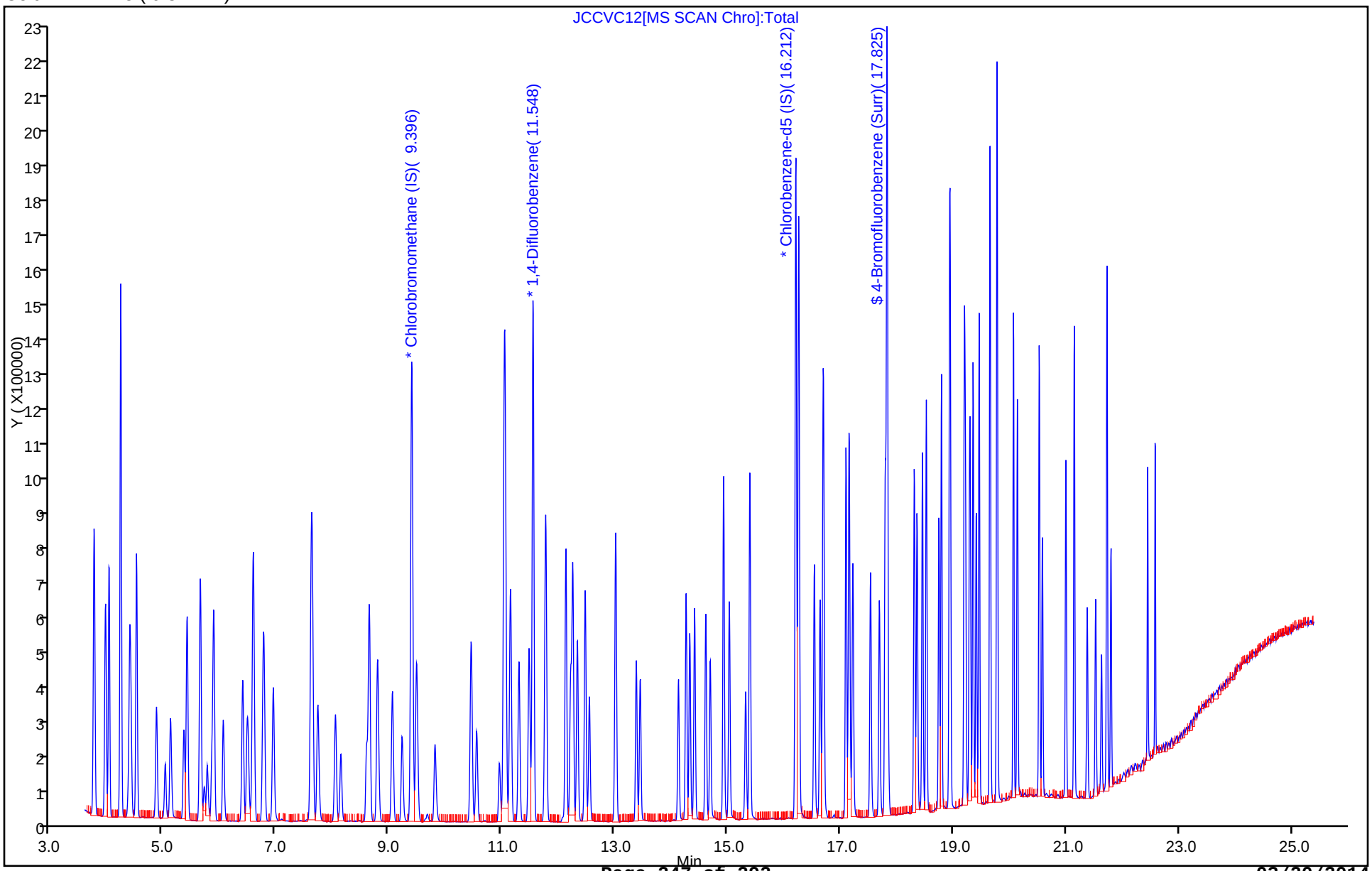
Report Date: 14-Mar-2014 16:59:48 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JCCVC12.D

Injection Date:	12-Mar-2014 09:40:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	ccvis	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



TestAmerica Knoxville
Target Compound Quantitation Report

Data File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JBFBC11.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Mar-2014 12:12:30	ALS Bottle#:	16	Worklist Smp#:	1
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	BFB,,3,,,BFB				
Misc. Info.:	J031114I,BFB,,,,140-0000516-001				
Operator ID:	7126	Instrument ID:	MJ		
Method:	\\KNXCHROM\ChromData\MJ\20140311-516.b\MJ_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Mar-2014 13:55:12	Calib Date:	11-Mar-2014 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK021				

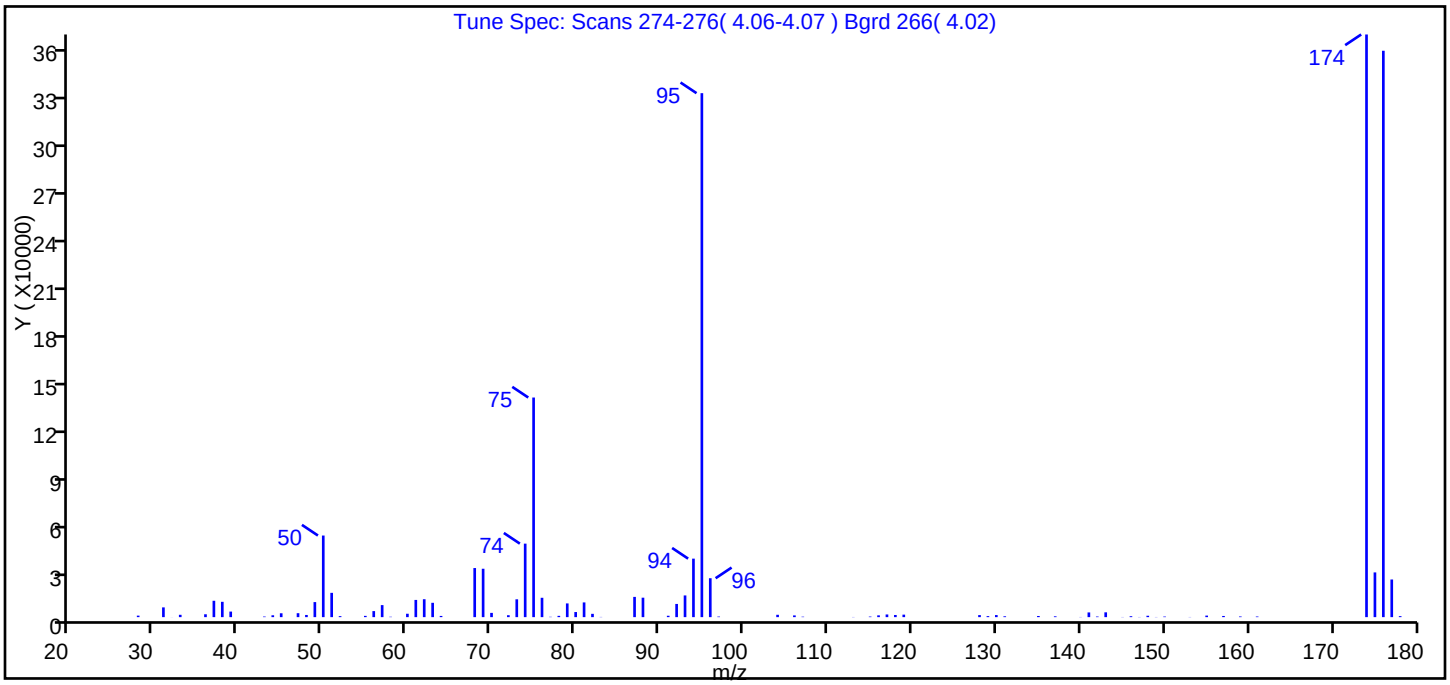
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
$ 4 BFB	95	4.067	4.067	0.0	0	577512	NR	

MS Tune Report

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JBFBC11.D
Injection Date: 11-Mar-2014 12:12:30 Instrument ID: MJ
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: 7126 ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MJ_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.60
75	30.00 - 60.00% of mass 95	41.90
96	5.00 - 9.00% of mass 95	7.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	111.20
175	5.00 - 9.00% of mass 174	8.50 (7.70)
176	95.00 - 101.00% of mass 174	108.10 (97.20)
177	5.00 - 9.00% of mass 176	7.20 (6.60)

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JBFBC11.D\MJ_TO15.rslt\spectra.d
Injection Date: 11-Mar-2014 12:12:30
Spectrum: Tune Spec: Scans 274-276(4.06-4.07) Bgrd 266(4.02)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	953	61.00	10830	92.00	8305	141.00	2961
31.00	6139	62.00	11271	93.00	13655	142.00	393
32.00	34	63.00	9021	94.00	36808	143.00	3028
33.00	1475	64.00	763	95.00	329664	145.00	103
36.00	1812	68.00	30888	96.00	24488	146.00	580
37.00	10300	69.00	30448	97.00	363	147.00	102
38.00	9642	70.00	2681	104.00	1481	148.00	873
39.00	3502	72.00	1219	106.00	1093	149.00	103
43.00	373	73.00	11227	107.00	287	150.00	366
44.00	1174	74.00	46248	113.00	104	153.00	104
45.00	2439	75.00	138176	115.00	366	155.00	974
47.00	2486	76.00	12185	116.00	1129	157.00	736
48.00	1370	77.00	211	117.00	1684	159.00	420
49.00	9471	78.00	817	118.00	1356	161.00	400
50.00	51344	79.00	8634	119.00	1577	174.00	366592
51.00	15289	80.00	3213	128.00	1285	175.00	28144
52.00	627	81.00	9265	129.00	646	176.00	356352
55.00	803	82.00	2083	130.00	1299	177.00	23688
56.00	3804	83.00	127	131.00	535	178.00	619
57.00	7571	87.00	12739	135.00	724		
58.00	240	88.00	12242	137.00	514		
60.00	2142	91.00	876	140.00	107		

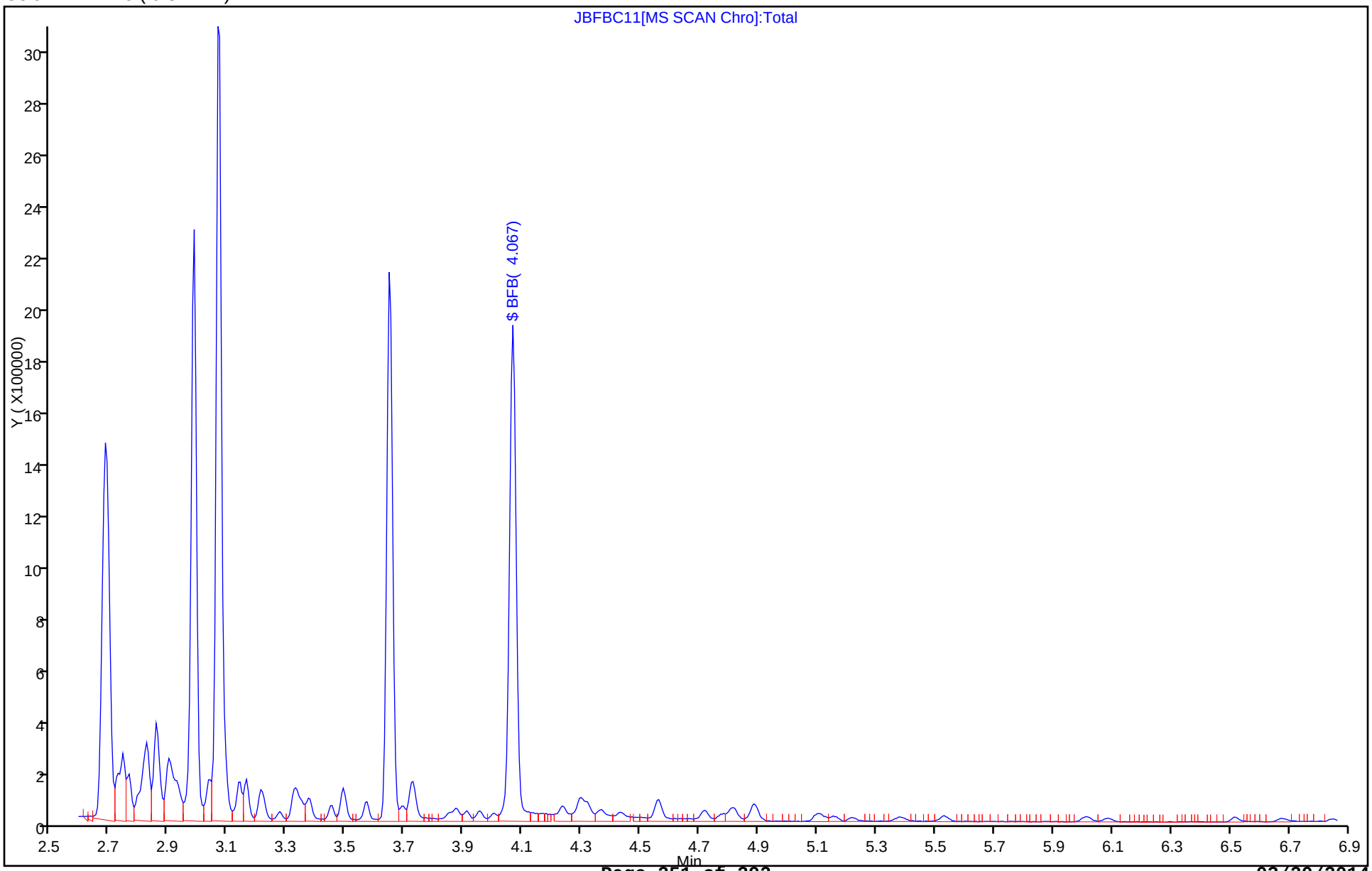
Report Date: 14-Mar-2014 13:55:13 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JBFBC11.D

Injection Date:	11-Mar-2014 12:12:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	BFB	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



TestAmerica Knoxville
Target Compound Quantitation Report

Data File:	\\KNXCHROM\ChromData\MJ\20140312-517.b\JBFBC12.D				
Lims ID:	bfb	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Mar-2014 09:12:30	ALS Bottle#:	16	Worklist Smp#:	1
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	BFB,,3,,,bfb				
Misc. Info.:	J031214,BFB,,140-0000517-001				
Operator ID:	7126	Instrument ID:	MJ		
Method:	\\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Mar-2014 16:02:30	Calib Date:	11-Mar-2014 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK021				

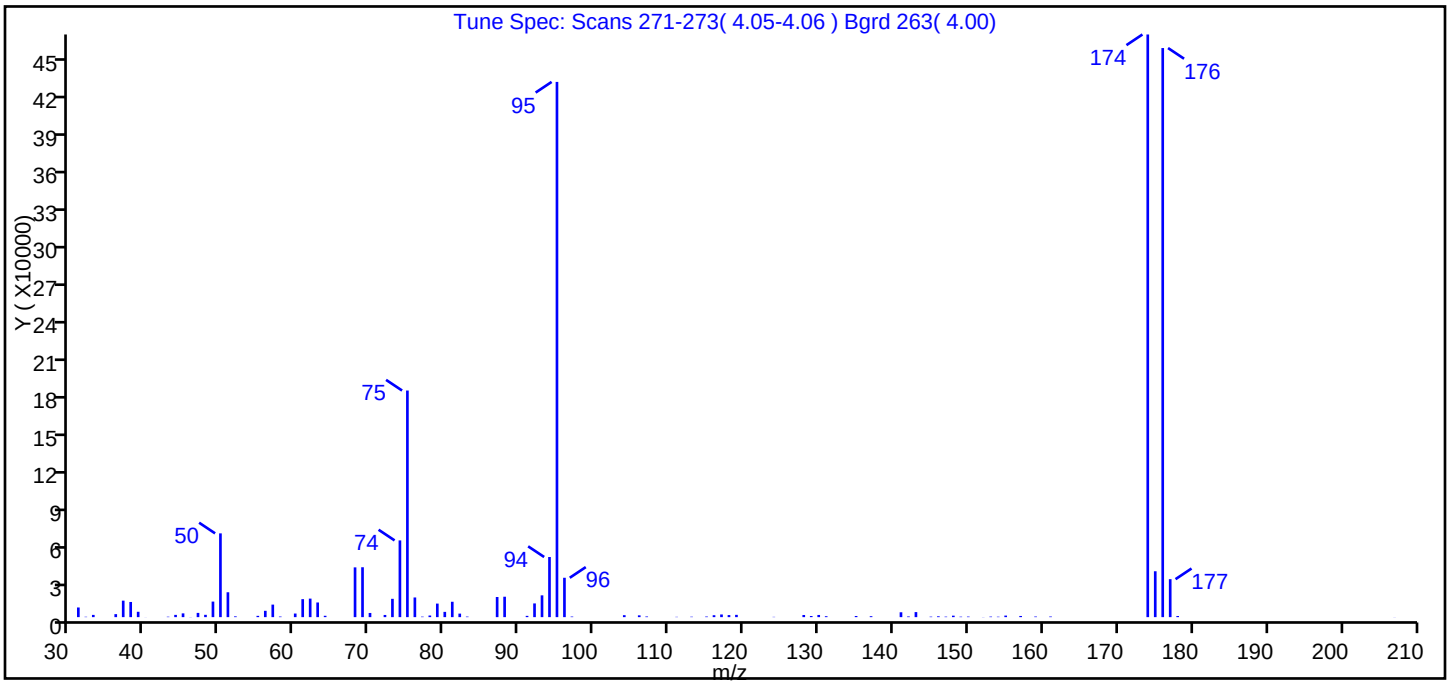
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
$ 4 BFB	95	4.051	4.067	-0.016	0	739862	NR	

MS Tune Report

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JBFBC12.D
Injection Date: 12-Mar-2014 09:12:30 Instrument ID: MJ
Lims ID: bfb Lab Sample ID:
Client ID:
Operator ID: 7126 ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MJ_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.70
75	30.00 - 60.00% of mass 95	42.30
96	5.00 - 9.00% of mass 95	7.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	108.90
175	5.00 - 9.00% of mass 174	8.60 (7.90)
176	95.00 - 101.00% of mass 174	106.30 (97.70)
177	5.00 - 9.00% of mass 176	7.10 (6.70)

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JBFBC12.D\MJ_TO15.rslt\spectra.d
Injection Date: 12-Mar-2014 09:12:30
Spectrum: Tune Spec: Scans 271-273(4.05-4.06) Bgrd 263(4.00)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	7747	61.00	14425	93.00	17472	142.00	546
32.00	305	62.00	14848	94.00	48200	143.00	4050
33.00	1802	63.00	11753	95.00	428992	145.00	405
36.00	2403	64.00	1095	96.00	31560	146.00	670
37.00	13222	68.00	39888	97.00	468	147.00	404
38.00	12159	69.00	39992	104.00	1577	148.00	1183
39.00	4299	70.00	3350	106.00	1442	149.00	376
40.00	56	72.00	1748	107.00	531	150.00	447
43.00	353	73.00	14683	111.00	243	152.00	102
44.00	1814	74.00	61504	113.00	349	153.00	438
45.00	3025	75.00	181632	115.00	494	154.00	352
46.00	105	76.00	15769	116.00	1545	155.00	1249
47.00	3399	77.00	407	117.00	2142	157.00	940
48.00	1862	78.00	1299	118.00	1667	159.00	489
49.00	12473	79.00	10858	119.00	1837	161.00	496
50.00	67144	80.00	4227	124.00	224	174.00	467008
51.00	19944	81.00	12327	128.00	1723	175.00	36776
52.00	622	82.00	2829	129.00	896	176.00	456128
55.00	1040	83.00	439	130.00	1748	177.00	30440
56.00	5072	87.00	16146	131.00	746	178.00	892
57.00	10049	88.00	16368	135.00	913	207.00	76
58.00	474	91.00	1027	137.00	751		
60.00	2891	92.00	10996	141.00	3910		

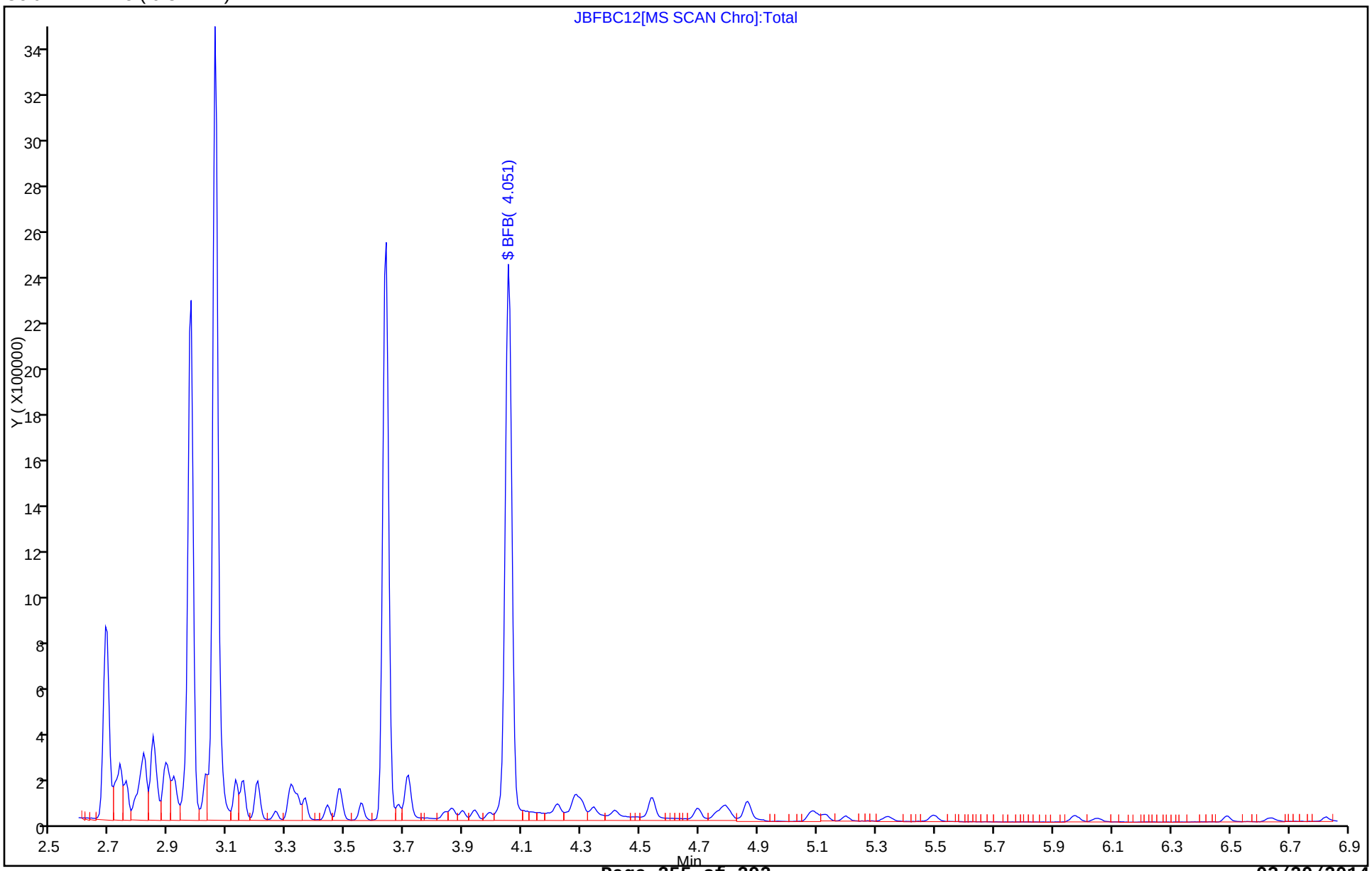
Report Date: 14-Mar-2014 16:02:31 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JBFBC12.D

Injection Date:	12-Mar-2014 09:12:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	bfb	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-950/4

Matrix: Air Lab File ID: JBLKC12.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		0.20	
100-44-7	Benzyl chloride	126.58	ND		0.40	
74-83-9	Bromomethane	94.94	ND		0.20	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.20	
75-00-3	Chloroethane	64.52	ND		0.20	
67-66-3	Chloroform	119.38	ND		0.20	
74-87-3	Chloromethane	50.49	ND		0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.20	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.20	
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.20	
100-41-4	Ethylbenzene	106.17	ND		0.20	
87-68-3	Hexachlorobutadiene	260.76	ND		1.0	
75-09-2	Methylene Chloride	84.93	ND		0.50	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.20	
95-47-6	o-Xylene	106.17	ND		0.20	
100-42-5	Styrene	104.15	ND		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	
127-18-4	Tetrachloroethene	165.83	ND		0.20	
108-88-3	Toluene	92.14	ND		0.20	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.0	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	
79-01-6	Trichloroethene	131.39	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-950/4

Matrix: Air Lab File ID: JBLKC12.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		0.20	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	
75-01-4	Vinyl chloride	62.50	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-1006-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 140-950/4

Matrix: Air | Lab File ID: JBLKC12.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 03/12/2014 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 950 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	ND		0.64	
100-44-7	Benzyl chloride	126.58	ND		2.1	
74-83-9	Bromomethane	94.94	ND		0.78	
56-23-5	Carbon tetrachloride	153.81	ND		1.3	
108-90-7	Chlorobenzene	112.56	ND		0.92	
75-00-3	Chloroethane	64.52	ND		0.53	
67-66-3	Chloroform	119.38	ND		0.98	
74-87-3	Chloromethane	50.49	ND		1.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		1.5	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.99	
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		1.4	
100-41-4	Ethylbenzene	106.17	ND		0.87	
87-68-3	Hexachlorobutadiene	260.76	ND		11	
75-09-2	Methylene Chloride	84.93	ND		1.7	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.87	
95-47-6	o-Xylene	106.17	ND		0.87	
100-42-5	Styrene	104.15	ND		0.85	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	
127-18-4	Tetrachloroethene	165.83	ND		1.4	
108-88-3	Toluene	92.14	ND		0.75	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		7.4	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	
79-01-6	Trichloroethene	131.39	ND		1.1	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-950/4

Matrix: Air Lab File ID: JBLKC12.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		1.5	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	
75-01-4	Vinyl chloride	62.50	ND		0.51	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JBLKC12.D
Lims ID: mb Lab Sample ID: MB 140-955/4-A
Client ID:
Sample Type: MB
Inject. Date: 12-Mar-2014 12:43:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 200ML BLANK
Misc. Info.: J031214,TO15,,140-0000517-004
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:58:32 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 12-Mar-2014 14:41:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.387	9.396	-0.009	91	357601	4.00	
* 2 1,4-Difluorobenzene	114	11.544	11.548	-0.004	94	1584546	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.208	16.212	-0.004	87	1221975	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.827	17.825	0.002	90	833241	3.86	
47 n-Butanol	31	10.990	10.951	0.040	52	2156	0.0622	
140 Tert-amyl methyl ether	73	11.544	11.478	0.066	1	17420	NR	
A 121 Total VOC as Octane	1	13.519	5.838 -	21.200	0	1307047	1.53	7
T 136 Methanol TIC	31	4.384	4.400	-0.016	74	2312	0.0259	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

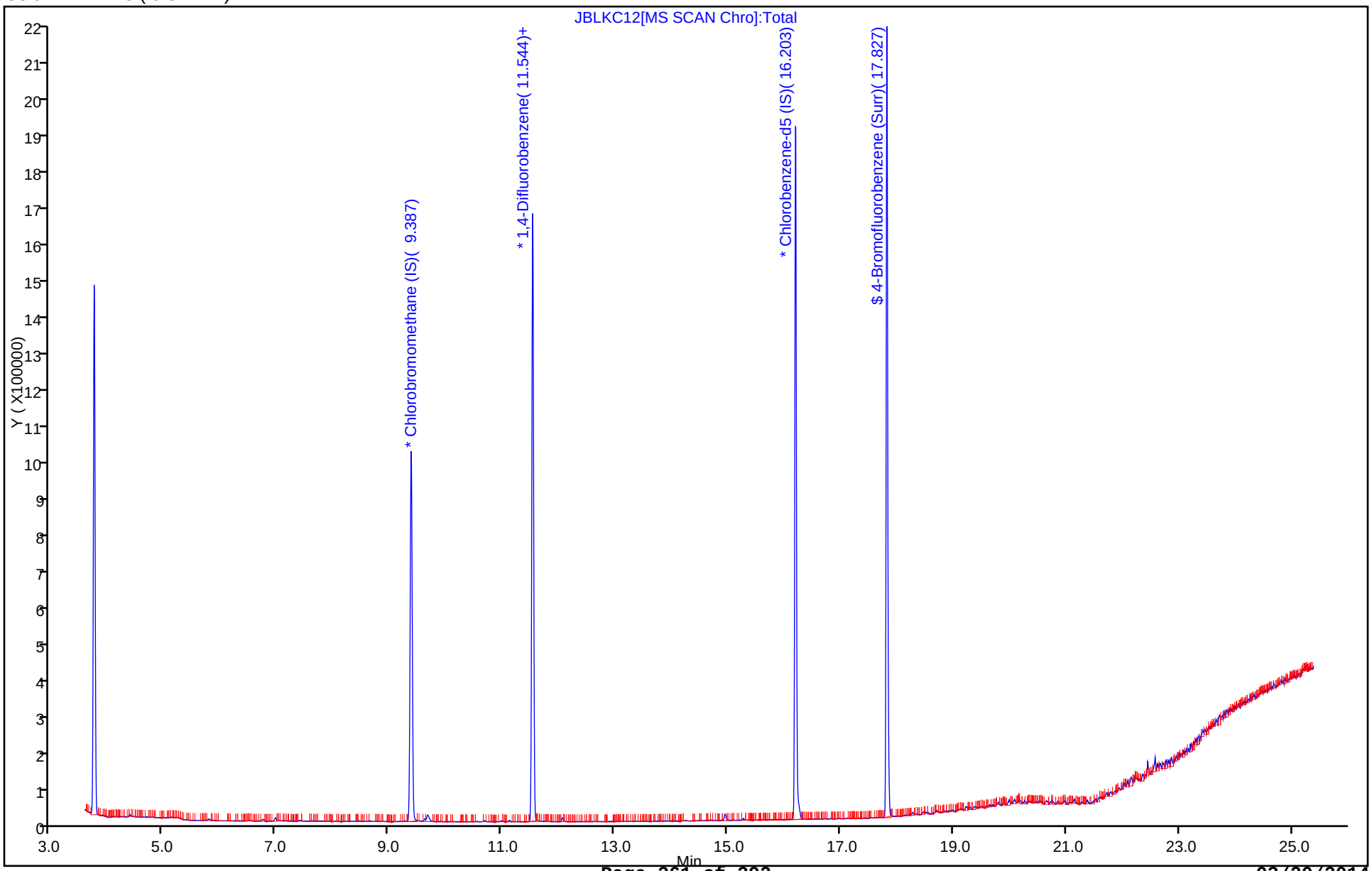
Report Date: 14-Mar-2014 16:58:40 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JBLKC12.D

Injection Date:	12-Mar-2014 12:43:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	mb	Lab Sample ID:	MB 140-955/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-950/1002

Matrix: Air Lab File ID: JCCVC12-LCS.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 100(mL) Date Analyzed: 03/12/2014 09:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-43-2	Benzene	78.11	2.21		0.080	
100-44-7	Benzyl chloride	126.58	2.50		0.16	
74-83-9	Bromomethane	94.94	1.92		0.080	
56-23-5	Carbon tetrachloride	153.81	2.29		0.080	
108-90-7	Chlorobenzene	112.56	2.19		0.080	
75-00-3	Chloroethane	64.52	1.96		0.080	
67-66-3	Chloroform	119.38	2.07		0.080	
74-87-3	Chloromethane	50.49	1.92		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	2.11		0.080	
10061-01-5	cis-1,3-Dichloropropene	110.97	2.19		0.080	
106-93-4	1,2-Dibromoethane (EDB)	187.87	2.35		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	2.20		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	2.20		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	2.21		0.080	
75-71-8	Dichlorodifluoromethane	120.91	1.96		0.080	
75-34-3	1,1-Dichloroethane	98.96	2.08		0.080	
107-06-2	1,2-Dichloroethane	98.96	2.25		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.97		0.080	
78-87-5	1,2-Dichloropropane	112.99	2.20		0.080	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	2.02		0.080	
100-41-4	Ethylbenzene	106.17	2.44		0.080	
87-68-3	Hexachlorobutadiene	260.76	1.86		0.40	
75-09-2	Methylene Chloride	84.93	1.95		0.20	
179601-23-1	m-Xylene & p-Xylene	106.17	4.77		0.080	
95-47-6	o-Xylene	106.17	2.43		0.080	
100-42-5	Styrene	104.15	2.50		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.46		0.080	
127-18-4	Tetrachloroethene	165.83	2.23		0.080	
108-88-3	Toluene	92.14	2.40		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	2.46		0.080	
120-82-1	1,2,4-Trichlorobenzene	181.45	2.34		0.40	
71-55-6	1,1,1-Trichloroethane	133.41	2.07		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	2.33		0.080	
79-01-6	Trichloroethene	131.39	2.26		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-950/1002

Matrix: Air Lab File ID: JCCVC12-LCS.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 100(mL) Date Analyzed: 03/12/2014 09:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 950 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	137.37	2.00		0.080	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	2.00		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.44		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.39		0.080	
75-01-4	Vinyl chloride	62.50	1.98		0.080	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JCCVC12-LCS.d
Lims ID: LCS Lab Sample ID:
Client ID:
Sample Type: LCS
Inject. Date: 12-Mar-2014 09:40:30 ALS Bottle#: 9 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: CCV/LCS,,2,6,,ccvis
Misc. Info.: J031214,TO15,,140-0000517-002
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140312-517.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Mar-2014 16:59:47 Calib Date: 11-Mar-2014 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20140311-516.b\JICC119.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: barlozhetskayaa Date: 14-Mar-2014 15:19:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.396	9.396	0.0	92	351094	4.00	
* 2 1,4-Difluorobenzene	114	11.548	11.548	0.0	93	1471965	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.212	16.212	0.0	87	1230393	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.825	17.825	0.0	88	864653	3.97	
6 Chlorodifluoromethane	67	3.957	3.957	0.0	97	66145	1.83	
7 Propene	41	3.973	3.973	0.0	99	205445	1.91	
8 Dichlorodifluoromethane	85	4.033	4.033	0.0	100	680843	1.96	
9 Chloromethane	52	4.232	4.232	0.0	99	75935	1.92	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.237	4.237	0.0	92	531339	2.02	
11 Acetaldehyde	44	4.398	4.398	0.0	98	323047	9.33	
12 Vinyl chloride	62	4.420	4.420	0.0	99	257306	1.98	
14 Butadiene	54	4.517	4.517	0.0	66	178547	1.97	
13 Butane	43	4.517	4.517	0.0	86	356553	1.92	
15 Bromomethane	94	4.872	4.872	0.0	99	254021	1.92	
16 Chloroethane	64	5.028	5.028	0.0	99	117213	1.96	
17 Ethanol	31	5.119	5.119	0.0	95	289861	10.3	
18 Vinyl bromide	106	5.356	5.356	0.0	97	223466	1.98	
19 2-Methylbutane	43	5.415	5.415	0.0	92	288212	1.93	
20 Trichlorofluoromethane	101	5.652	5.652	0.0	98	612305	2.00	
21 Acrolein	56	5.652	5.652	0.0	60	61759	2.15	
22 Acetonitrile	40	5.722	5.722	0.0	99	69418	2.19	
23 Acetone	58	5.770	5.770	0.0	86	74039	1.48	
24 Isopropyl alcohol	45	5.856	5.856	0.0	97	258947	1.96	
25 Pentane	72	5.888	5.888	0.0	97	38578	2.04	
26 Ethyl ether	31	6.055	6.055	0.0	94	195368	2.13	
27 1,1-Dichloroethene	96	6.399	6.399	0.0	97	194427	1.97	
28 2-Methyl-2-propanol	59	6.480	6.480	0.0	92	294564	1.81	
29 Acrylonitrile	53	6.496	6.496	0.0	94	120929	2.32	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.588	6.588	0.0	94	423780	2.00	
31 Methylene Chloride	84	6.765	6.765	0.0	95	183505	1.95	
32 3-Chloro-1-propene	39	6.781	6.781	0.0	92	181480	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
33 Carbon disulfide	76	6.943	6.943	0.0	99	659055	2.00	
34 trans-1,2-Dichloroethene	96	7.610	7.610	0.0	98	233909	1.97	
35 2-Methylpentane	43	7.631	7.631	0.0	95	539868	1.99	
36 Methyl tert-butyl ether	73	7.734	7.734	0.0	96	417141	2.33	
37 1,1-Dichloroethane	63	8.046	8.046	0.0	100	384671	2.08	
38 Vinyl acetate	43	8.142	8.142	0.0	100	384587	2.37	
39 2-Butanone (MEK)	72	8.600	8.600	0.0	98	75493	2.27	
40 Hexane	56	8.643	8.643	0.0	90	187207	1.98	
41 cis-1,2-Dichloroethene	96	9.057	9.057	0.0	95	214256	2.11	
42 Ethyl acetate	43	9.224	9.224	0.0	98	347244	2.40	
43 Chloroform	83	9.407	9.407	0.0	96	422728	2.07	
44 Tetrahydrofuran	42	9.810	9.810	0.0	93	188971	2.32	
45 1,1,1-Trichloroethane	97	10.450	10.450	0.0	96	440966	2.07	
46 1,2-Dichloroethane	62	10.547	10.547	0.0	95	257216	2.25	
47 n-Butanol	31	10.951	10.951	0.0	88	69052	2.15	
48 Benzene	78	11.037	11.037	0.0	96	557749	2.21	
49 Cyclohexane	69	11.042	11.042	0.0	93	112801	2.26	
50 Carbon tetrachloride	117	11.058	11.058	0.0	94	478635	2.29	
51 2,3-Dimethylpentane	71	11.150	11.150	0.0	92	135508	2.27	
52 Thiophene	84	11.300	11.300	0.0	96	362127	2.32	
53 Isooctane	57	11.774	11.774	0.0	98	1002229	2.32	
54 n-Heptane	71	12.134	12.134	0.0	92	207775	2.33	
55 1,2-Dichloropropane	63	12.215	12.215	0.0	87	188036	2.20	
56 Trichloroethene	130	12.252	12.252	0.0	96	276445	2.26	
57 Dibromomethane	93	12.338	12.338	0.0	92	255085	2.27	
59 Dichlorobromomethane	83	12.473	12.473	0.0	99	413541	2.32	
58 1,4-Dioxane	88	12.478	12.478	0.0	82	68788	2.25	
60 Methyl methacrylate	41	12.548	12.548	0.0	91	202452	2.64	
61 Methylcyclohexane	83	13.016	13.016	0.0	96	380758	2.24	
62 4-Methyl-2-pentanone (MIBK)	43	13.382	13.382	0.0	98	369185	2.39	
63 cis-1,3-Dichloropropene	75	13.452	13.452	0.0	94	264662	2.19	
64 trans-1,3-Dichloropropene	75	14.130	14.130	0.0	98	250953	2.46	
65 Toluene	91	14.264	14.264	0.0	93	547047	2.40	
66 1,1,2-Trichloroethane	83	14.329	14.329	0.0	96	168525	2.33	
67 2-Methylthiophene	97	14.415	14.415	0.0	97	482708	2.35	
68 3-Methylthiophene	97	14.614	14.614	0.0	99	482649	2.35	
69 2-Hexanone	58	14.695	14.695	0.0	93	182240	2.44	
70 n-Octane	85	14.931	14.931	0.0	94	198375	2.37	
71 Chlorodibromomethane	129	15.034	15.034	0.0	96	379682	2.38	
72 Ethylene Dibromide	107	15.319	15.319	0.0	98	291150	2.35	
73 Tetrachloroethene	129	15.394	15.394	0.0	92	237522	2.23	
75 Chlorobenzene	112	16.260	16.260	0.0	87	427325	2.19	
74 2,3-Dimethylheptane	43	16.265	16.265	0.0	95	581788	2.31	
76 Ethylbenzene	91	16.540	16.540	0.0	98	614491	2.44	
77 2-Ethylthiophene	97	16.642	16.642	0.0	98	481621	2.44	
78 m-Xylene & p-Xylene	91	16.696	16.696	0.0	100	970593	4.77	
79 n-Nonane	57	17.099	17.099	0.0	92	351463	2.22	
81 Bromoform	173	17.153	17.153	0.0	94	298764	2.37	
80 Styrene	104	17.158	17.158	0.0	98	348918	2.50	
82 o-Xylene	91	17.223	17.223	0.0	96	501604	2.43	
83 1,1,2,2-Tetrachloroethane	83	17.535	17.535	0.0	99	413876	2.46	
84 1,2,3-Trichloropropane	110	17.691	17.691	0.0	97	100271	2.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
85 Isopropylbenzene	105	17.799	17.799	0.0	96	706430	2.40	
86 N-Propylbenzene	120	18.310	18.310	0.0	98	192392	2.48	
87 2-Chlorotoluene	126	18.358	18.358	0.0	97	182783	2.26	
88 4-Ethyltoluene	105	18.455	18.455	0.0	97	693265	2.53	
89 1,3,5-Trimethylbenzene	120	18.525	18.525	0.0	92	328795	2.39	
90 Alpha Methyl Styrene	118	18.751	18.751	0.0	87	265452	2.69	
91 n-Decane	57	18.794	18.794	0.0	88	396444	2.35	
92 tert-Butylbenzene	119	18.939	18.939	0.0	89	638112	2.37	
93 1,2,4-Trimethylbenzene	105	18.950	18.950	0.0	91	583620	2.44	
94 sec-Butylbenzene	105	19.197	19.197	0.0	98	855346	2.44	
95 1,3-Dichlorobenzene	146	19.219	19.219	0.0	98	345678	2.20	
96 Benzyl chloride	91	19.289	19.289	0.0	98	445968	2.50	
97 1,4-Dichlorobenzene	146	19.305	19.305	0.0	94	322515	2.21	
98 4-Isopropyltoluene	119	19.353	19.353	0.0	88	685968	2.44	
99 1,2,3-Trimethylbenzene	105	19.412	19.412	0.0	98	480131	2.47	
100 Butylcyclohexane	83	19.461	19.461	0.0	94	486680	2.19	
101 2,3-Dihydroindene	117	19.654	19.654	0.0	89	526398	2.41	
102 1,2-Dichlorobenzene	146	19.654	19.654	0.0	79	338656	2.20	
103 n-Butylbenzene	91	19.778	19.778	0.0	96	614771	2.36	
104 Indene	116	19.784	19.784	0.0	86	488116	2.56	
105 Undecane	57	20.069	20.069	0.0	96	411806	2.42	
106 1,2-Dimethyl-4-Ethylbenzene	119	20.139	20.139	0.0	98	601314	2.28	
108 1,2,4,5-Tetramethylbenzene	119	20.526	20.526	0.0	97	633176	2.39	
107 1,2,3,5-Tetramethylbenzene	119	20.585	20.585	0.0	95	388505	2.25	
109 1,2,3,4-Tetramethylbenzene	119	20.999	20.999	0.0	97	499982	2.33	
110 Dodecane	57	21.150	21.150	0.0	95	411831	2.34	
111 1,2,4-Trichlorobenzene	180	21.381	21.381	0.0	94	160171	2.34	
112 Naphthalene	128	21.527	21.527	0.0	99	431244	2.23	
113 Benzo(b)thiophene	134	21.634	21.634	0.0	99	290449	2.21	
114 Hexachlorobutadiene	225	21.731	21.731	0.0	85	259293	1.86	
115 1,2,3-Trichlorobenzene	180	21.801	21.801	0.0	94	186517	2.11	
116 2-Methylnaphthalene	142	22.452	22.452	0.0	96	297052	14.4	
117 1-Methylnaphthalene	142	22.586	22.586	0.0	96	310757	14.6	
139 Isopropyl ether	45	8.793	8.793	0.0	1	551387	NR	
142 Tert-butyl ethyl ether	59	9.487	9.487	0.0	96	508021	NR	
140 Tert-amyl methyl ether	73	11.478	11.478	0.0	47	482166	NR	
A 118 C6 Range	1	8.643	8.573 -	8.713	0	2123955	2.07	
A 122 Toluene Range	1	14.264	14.234 -	14.294	0	1296641	2.33	
A 123 C8 Range	1	14.931	14.883 -	14.980	0	1898013	2.20	
S 124 Xylenes, Total	100				0		7.20	

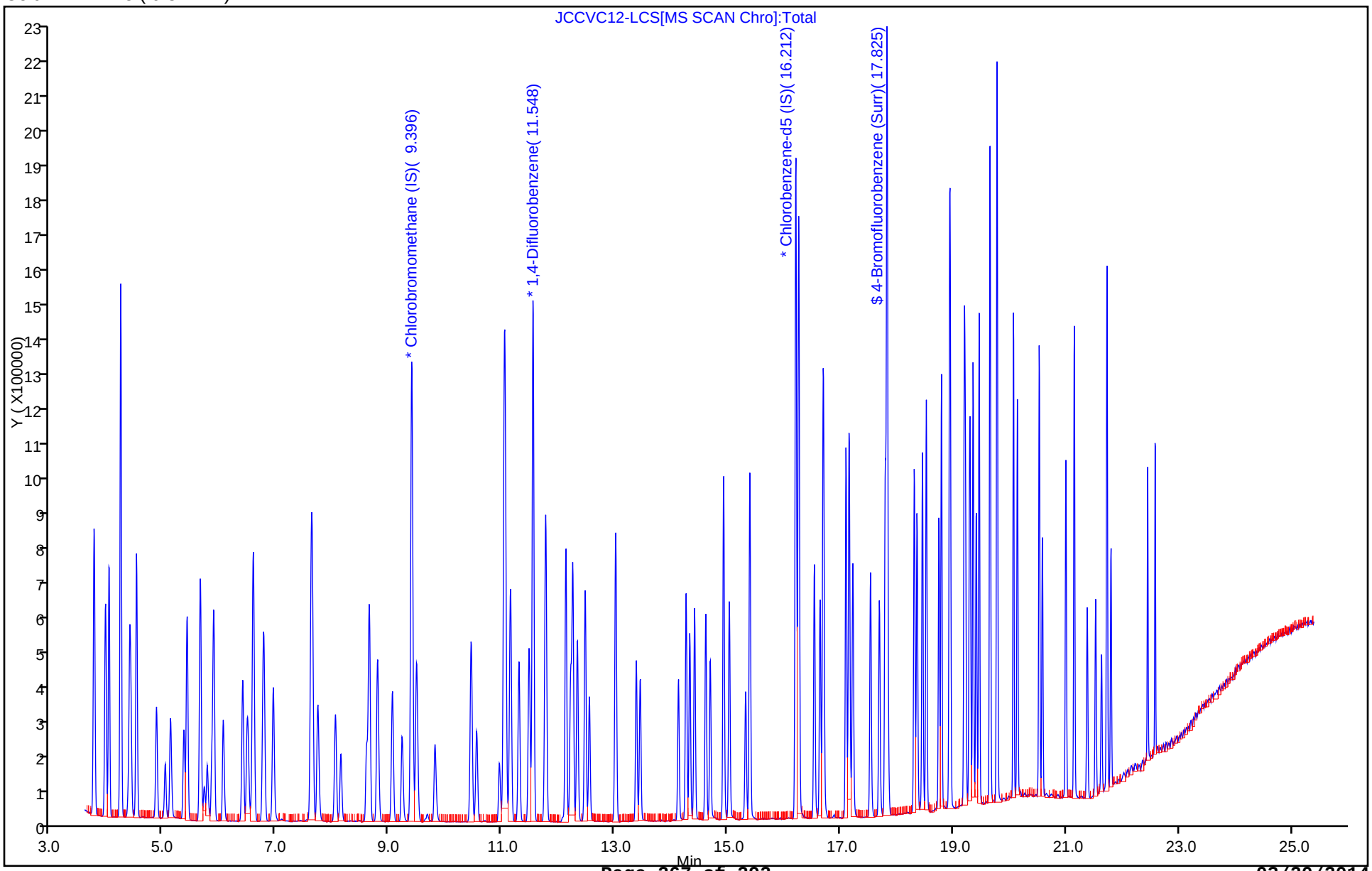
Report Date: 14-Mar-2014 16:59:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Laboratories

Data File: \\KNXCHROM\ChromData\MJ\20140312-517.b\JCCVC12-LCS.d

Injection Date:	12-Mar-2014 09:40:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	LCS	Lab Sample ID:		Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Instrument ID: MJ Start Date: 03/11/2014 12:12

Analysis Batch Number: 946 End Date: 03/11/2014 23:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-946/1		03/11/2014 12:12	1	JBFBC11.D	RTX-5 0.32(mm)
IC 140-946/2		03/11/2014 12:40	1	JICC111.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 12:40	1		RTX-5 0.32(mm)
IC 140-946/3		03/11/2014 13:35	1	JICC112.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 13:35	1		RTX-5 0.32(mm)
IC 140-946/4		03/11/2014 14:29	1	JICC113.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 14:29	1		RTX-5 0.32(mm)
IC 140-946/5		03/11/2014 15:23	1	JICC114.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 15:23	1		RTX-5 0.32(mm)
IC 140-946/6		03/11/2014 16:17	1	JICC115.D	RTX-5 0.32(mm)
ICIS 140-946/7		03/11/2014 17:11	1	JICC116.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 17:11	1		RTX-5 0.32(mm)
IC 140-946/8		03/11/2014 18:06	1	JICC117.D	RTX-5 0.32(mm)
IC 140-946/9		03/11/2014 19:02	1	JICC118.D	RTX-5 0.32(mm)
IC 140-946/10		03/11/2014 19:57	1	JICC119.D	RTX-5 0.32(mm)
ZZZZZ		03/11/2014 22:39	1		RTX-5 0.32(mm)
ICV 140-946/14		03/11/2014 23:33	1	JLCSC11.D	RTX-5 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Knoxville Job No.: 140-1006-1

SDG No.:

Instrument ID: MJ Start Date: 03/12/2014 09:12

Analysis Batch Number: 950 End Date: 03/13/2014 08:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-950/1		03/12/2014 09:12	1	JBFBC12.D	RTX-5 0.32(mm)
CCVIS 140-950/2		03/12/2014 09:40	1	JCCVC12.D	RTX-5 0.32(mm)
LCS 140-950/1002		03/12/2014 09:40	1	JCCVC12-LCS.d	RTX-5 0.32(mm)
MB 140-950/4		03/12/2014 12:43	1	JBLKC12.D	RTX-5 0.32(mm)
140-1006-1	SMSSV8-15	03/12/2014 21:43	1.32	JC12P108.D	RTX-5 0.32(mm)
140-1006-2	SMSSV1-5	03/12/2014 22:37	1.47	JC12P109.D	RTX-5 0.32(mm)
140-1006-3	SMSSV2-10	03/12/2014 23:31	2.03	JC12P110.D	RTX-5 0.32(mm)
140-1006-4	SMSSV92-10	03/13/2014 00:25	2.22	JC12P111.D	RTX-5 0.32(mm)
140-1006-6	SMSSV5-7	03/13/2014 02:12	1	JC12P113.D	RTX-5 0.32(mm)
140-1006-7	SMSSV9-10	03/13/2014 03:06	1	JC12P114.D	RTX-5 0.32(mm)
140-1006-8	SMSSV4-15	03/13/2014 04:00	1.25	JC12P115.D	RTX-5 0.32(mm)
140-1006-9	SMSSV6-5	03/13/2014 04:54	1	JC12P201.D	RTX-5 0.32(mm)
140-1006-10	SMSSV7-3	03/13/2014 05:48	1	JC12P202.D	RTX-5 0.32(mm)
ZZZZZ		03/13/2014 06:42	779.47		RTX-5 0.32(mm)
ZZZZZ		03/13/2014 07:36	1		RTX-5 0.32(mm)
140-1006-5	SMSSV3-10	03/13/2014 08:29	11.62	JC12P112R.D	RTX-5 0.32(mm)

Summa Canister Dilution Worksheet

Client: J.M. Waller Associates, Inc.

Job No.: 140-1006-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
140-1006-1	1	-6.2	0.79	0.79	+0.7	1.05	1.05		1.32	1.32	03/07/14 10:39	Taj, Holly M
140-1006-2	1	-8.5	0.72	0.72	+0.8	1.05	1.05		1.47	1.47	03/07/14 10:41	Taj, Holly M
140-1006-3	1	-13.8	0.54	0.54	+1.4	1.10	1.10		2.03	2.03	03/07/14 10:42	Taj, Holly M
140-1006-4	1	-13.4	0.55	0.55	+3.3	1.22	1.22		2.22	2.22	03/07/14 10:43	Taj, Holly M
140-1006-5	1	-3.2	0.89	0.89	32.7	3.22	3.22		3.61	3.61	03/07/14 14:14	Barlozhetskaya, Anna F
140-1006-5	1	0	1.00	1.00	32.7	3.22	3.22		3.22	11.62	03/07/14 14:16	Barlozhetskaya, Anna F
140-1006-8	1	-5.9	0.80	0.80	0.0	1.00	1.00		1.25	1.25	03/07/14 10:57	Taj, Holly M

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-768-1

SDG No.:

Client Sample ID: 10333 | Lab Sample ID: 140-768-7

Matrix: Air | Lab File ID: 140-768-a-7.D

Analysis Method: TO-15 | Date Collected: 01/22/2014 11:45

Sample wt/vol: 200(mL) | Date Analyzed: 01/23/2014 17:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 738 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.20	
79-00-5	1,1,2-Trichloroethane	ND		0.20	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.20	
75-34-3	1,1-Dichloroethane	ND		0.20	
75-35-4	1,1-Dichloroethene	ND		0.20	
488-23-3	1,2,3,4-Tetramethylbenzene	ND		0.20	
527-53-7	1,2,3,5-Tetramethylbenzene	ND		0.20	
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	
96-18-4	1,2,3-Trichloropropane	ND		0.50	
526-73-8	1,2,3-Trimethylbenzene	ND		0.20	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.20	
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	
95-63-6	1,2,4-Trimethylbenzene	ND		0.20	
106-93-4	1,2-Dibromoethane	ND		0.20	
95-50-1	1,2-Dichlorobenzene	ND		0.20	
107-06-2	1,2-Dichloroethane	ND		0.20	
78-87-5	1,2-Dichloropropane	ND		0.20	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.20	
934-80-5	1,2-Dimethyl-4-Ethylbenzene	ND		0.20	
108-67-8	1,3,5-Trimethylbenzene	ND		0.20	
106-99-0	1,3-Butadiene	ND		0.40	
541-73-1	1,3-Dichlorobenzene	ND		0.20	
106-46-7	1,4-Dichlorobenzene	ND		0.20	
123-91-1	1,4-Dioxane	ND		0.50	
71-36-3	1-Butanol	ND		2.0	
90-12-0	1-Methylnaphthalene	ND		2.5	
540-84-1	2,2,4-Trimethylpentane	ND		0.50	
3074-71-3	2,3-Dimethylheptane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.20	
78-93-3	2-Butanone	ND		1.0	
95-49-8	2-Chlorotoluene	ND		0.40	
872-55-9	2-Ethylthiophene	ND		0.20	
591-78-6	2-Hexanone	ND		0.50	
78-78-4	2-Methylbutane	ND	*	0.50	
91-57-6	2-Methylnaphthalene	ND		2.5	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-768-1

SDG No.:

Client Sample ID: 10333 Lab Sample ID: 140-768-7

Matrix: Air Lab File ID: 140-768-a-7.D

Analysis Method: TO-15 Date Collected: 01/22/2014 11:45

Sample wt/vol: 200(mL) Date Analyzed: 01/23/2014 17:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
107-83-5	2-Methylpentane	ND		0.20	
554-14-3	2-Methylthiophene	ND		0.20	
107-05-1	3-Chloropropene	ND		0.20	
616-44-4	3-Methylthiophene	ND		0.20	
622-96-8	4-Ethyltoluene	ND		0.40	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.50	
75-07-0	Acetaldehyde	ND		10	
67-64-1	Acetone	ND		5.0	
75-05-8	Acetonitrile	ND		1.0	
107-02-8	Acrolein	ND		1.0	
107-13-1	Acrylonitrile	ND		2.0	
98-83-9	Alpha Methyl Styrene	ND		0.40	
71-43-2	Benzene	ND		0.20	
95-15-8	Benzo(b)thiophene	ND		0.40	
100-44-7	Benzyl chloride	ND		0.40	
75-27-4	Bromodichloromethane	ND		0.20	
75-25-2	Bromoform	ND		0.20	
74-83-9	Bromomethane	ND		0.20	
106-97-8	Butane	ND	*	0.40	
1678-93-9	Butylcyclohexane	ND		0.20	
75-15-0	Carbon disulfide	ND		0.50	
56-23-5	Carbon tetrachloride	ND		0.20	
108-90-7	Chlorobenzene	ND		0.20	
75-45-6	Chlorodifluoromethane	ND		0.20	
75-00-3	Chloroethane	ND		0.20	
67-66-3	Chloroform	ND		0.20	
74-87-3	Chloromethane	ND		0.50	
156-59-2	cis-1,2-Dichloroethene	ND		0.20	
10061-01-5	cis-1,3-Dichloropropene	ND		0.20	
98-82-8	Cumene	ND		0.40	
110-82-7	Cyclohexane	ND		0.50	
124-48-1	Dibromochloromethane	ND		0.20	
74-95-3	Dibromomethane	ND		0.40	
75-71-8	Dichlorodifluoromethane	ND		0.20	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-768-1

SDG No.:

Client Sample ID: 10333 | Lab Sample ID: 140-768-7

Matrix: Air | Lab File ID: 140-768-a-7.D

Analysis Method: TO-15 | Date Collected: 01/22/2014 11:45

Sample wt/vol: 200(mL) | Date Analyzed: 01/23/2014 17:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 738 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
60-29-7	Ethyl ether	ND		2.0	
100-41-4	Ethylbenzene	ND		0.20	
87-68-3	Hexachlorobutadiene	ND		1.0	
110-54-3	Hexane	ND		0.50	
496-11-7	Indane	ND		0.20	
95-13-6	Indene	ND		0.40	
67-63-0	Isopropyl alcohol	ND		2.0	
179601-23-1	m&p-Xylene	ND		0.20	
80-62-6	Methyl methacrylate	ND		0.50	
1634-04-4	Methyl tert-butyl ether	ND		1.0	
108-87-2	Methylcyclohexane	ND		0.20	
75-09-2	Methylene Chloride	ND		0.50	
91-20-3	Naphthalene	ND		0.50	
104-51-8	n-Butylbenzene	ND		0.40	
124-18-5	n-Decane	ND		1.0	
112-40-3	n-Dodecane	ND		1.0	
142-82-5	n-Heptane	ND		0.50	
111-84-2	n-Nonane	ND		0.50	
111-65-9	n-Octane	ND		0.40	
103-65-1	N-Propylbenzene	ND		0.40	
1120-21-4	n-Undecane	ND		1.0	
95-47-6	o-Xylene	ND		0.20	
99-87-6	p-Cymene	ND		0.20	
109-66-0	Pentane	ND		1.0	
115-07-1	Propene	ND		0.50	
135-98-8	sec-Butylbenzene	ND		0.40	
100-42-5	Styrene	ND		0.20	
75-65-0	tert-Butanol	ND		2.0	
98-06-6	tert-Butylbenzene	ND		0.50	
127-18-4	Tetrachloroethene	ND		0.20	
109-99-9	Tetrahydrofuran	ND		1.0	
110-02-1	Thiophene	ND		0.20	
108-88-3	Toluene	ND		0.20	
156-60-5	trans-1,2-Dichloroethene	ND		0.20	
10061-02-6	trans-1,3-Dichloropropene	ND		0.20	
79-01-6	Trichloroethene	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-768-1

SDG No.:

Client Sample ID: 10333 Lab Sample ID: 140-768-7

Matrix: Air Lab File ID: 140-768-a-7.D

Analysis Method: TO-15 Date Collected: 01/22/2014 11:45

Sample wt/vol: 200(mL) Date Analyzed: 01/23/2014 17:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 738 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	ND		0.20	
108-05-4	Vinyl acetate	ND		1.0	
593-60-2	Vinyl bromide	ND		0.20	
75-01-4	Vinyl chloride	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140122-380.b\140-768-a-7.D
Lims ID: 140-768-A-7 Lab Sample ID: 140-768-7
Client ID: 10333
Sample Type: Client
Inject. Date: 23-Jan-2014 17:10:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 10333
Misc. Info.: J012314,TO15,,140-0000380-004
Operator ID: 403648 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140122-380.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 24-Jan-2014 11:30:38 Calib Date: 13-Dec-2013 09:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20131209-261.b\JICL123R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: tajh Date: 24-Jan-2014 12:55:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.440	9.441	-0.001	93	249102	4.00	
* 2 1,4-Difluorobenzene	114	11.592	11.593	-0.001	95	1171035	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.245	16.246	-0.001	93	976085	4.00	
$ 5 4-Bromofluorobenzene (Surr)	95	17.865	17.860	0.005	86	750872	3.86	
7 Propene	41	3.975	3.970	0.005	93	4243	0.0319	
13 Butane	43	4.529	4.525	0.004	66	4374	0.0308	
28 2-Methyl-2-propanol	59	6.525	6.499	0.026	9	3251	0.0217	

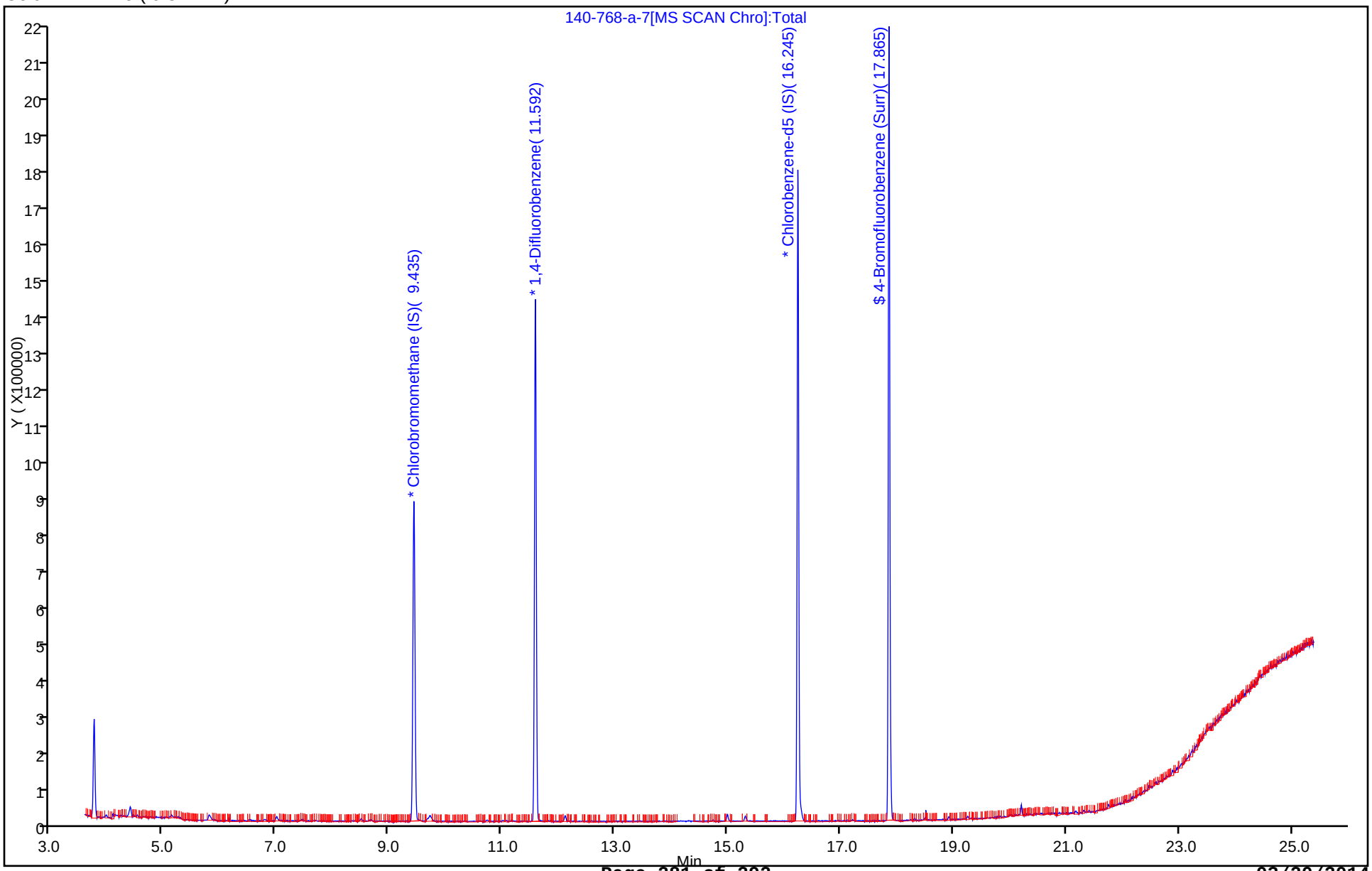
Report Date: 24-Jan-2014 12:55:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140122-380.b\140-768-a-7.D

Injection Date:	23-Jan-2014 17:10:30	Instrument ID:	MJ	Operator ID:	403648
Lims ID:	140-768-A-7	Lab Sample ID:	140-768-7	Worklist Smp#:	4
Client ID:	10333				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-905-1

SDG No.:

Client Sample ID: 09587 | Lab Sample ID: 140-905-8

Matrix: Air | Lab File ID: 140-905-a-8.D

Analysis Method: TO-15 | Date Collected: 02/18/2014 14:50

Sample wt/vol: 200(mL) | Date Analyzed: 02/19/2014 07:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 856 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.20	
79-00-5	1,1,2-Trichloroethane	ND		0.20	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.20	
75-34-3	1,1-Dichloroethane	ND		0.20	
75-35-4	1,1-Dichloroethene	ND		0.20	
488-23-3	1,2,3,4-Tetramethylbenzene	ND		0.20	
527-53-7	1,2,3,5-Tetramethylbenzene	ND		0.20	
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	
96-18-4	1,2,3-Trichloropropane	ND		0.50	
526-73-8	1,2,3-Trimethylbenzene	ND		0.20	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.20	
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	
95-63-6	1,2,4-Trimethylbenzene	ND		0.20	
106-93-4	1,2-Dibromoethane	ND		0.20	
95-50-1	1,2-Dichlorobenzene	ND		0.20	
107-06-2	1,2-Dichloroethane	ND		0.20	
78-87-5	1,2-Dichloropropane	ND		0.20	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.20	
934-80-5	1,2-Dimethyl-4-Ethylbenzene	ND		0.20	
108-67-8	1,3,5-Trimethylbenzene	ND		0.20	
106-99-0	1,3-Butadiene	ND		0.40	
541-73-1	1,3-Dichlorobenzene	ND		0.20	
106-46-7	1,4-Dichlorobenzene	ND		0.20	
123-91-1	1,4-Dioxane	ND		0.50	
71-36-3	1-Butanol	ND		2.0	
90-12-0	1-Methylnaphthalene	ND		2.5	
540-84-1	2,2,4-Trimethylpentane	ND		0.50	
3074-71-3	2,3-Dimethylheptane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.20	
78-93-3	2-Butanone	ND		1.0	
95-49-8	2-Chlorotoluene	ND		0.40	
872-55-9	2-Ethylthiophene	ND		0.20	
591-78-6	2-Hexanone	ND		0.50	
78-78-4	2-Methylbutane	ND		0.50	
91-57-6	2-Methylnaphthalene	ND		2.5	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-905-1

SDG No.:

Client Sample ID: 09587 | Lab Sample ID: 140-905-8

Matrix: Air | Lab File ID: 140-905-a-8.D

Analysis Method: TO-15 | Date Collected: 02/18/2014 14:50

Sample wt/vol: 200(mL) | Date Analyzed: 02/19/2014 07:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 856 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
107-83-5	2-Methylpentane	ND		0.20	
554-14-3	2-Methylthiophene	ND		0.20	
107-05-1	3-Chloropropene	ND		0.20	
616-44-4	3-Methylthiophene	ND		0.20	
622-96-8	4-Ethyltoluene	ND		0.40	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.50	
75-07-0	Acetaldehyde	ND		10	
67-64-1	Acetone	ND		5.0	
75-05-8	Acetonitrile	ND		1.0	
107-02-8	Acrolein	ND		1.0	
107-13-1	Acrylonitrile	ND		2.0	
98-83-9	Alpha Methyl Styrene	ND		0.40	
71-43-2	Benzene	ND		0.20	
95-15-8	Benzo(b)thiophene	ND		0.40	
100-44-7	Benzyl chloride	ND		0.40	
75-27-4	Bromodichloromethane	ND		0.20	
75-25-2	Bromoform	ND		0.20	
74-83-9	Bromomethane	ND		0.20	
106-97-8	Butane	ND		0.40	
1678-93-9	Butylcyclohexane	ND		0.20	
75-15-0	Carbon disulfide	ND		0.50	
56-23-5	Carbon tetrachloride	ND		0.20	
108-90-7	Chlorobenzene	ND		0.20	
75-45-6	Chlorodifluoromethane	ND		0.20	
75-00-3	Chloroethane	ND		0.20	
67-66-3	Chloroform	ND		0.20	
74-87-3	Chloromethane	ND		0.50	
156-59-2	cis-1,2-Dichloroethene	ND		0.20	
10061-01-5	cis-1,3-Dichloropropene	ND		0.20	
98-82-8	Cumene	ND		0.40	
110-82-7	Cyclohexane	ND		0.50	
124-48-1	Dibromochloromethane	ND		0.20	
74-95-3	Dibromomethane	ND		0.40	
75-71-8	Dichlorodifluoromethane	ND		0.20	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-905-1

SDG No.:

Client Sample ID: 09587 | Lab Sample ID: 140-905-8

Matrix: Air | Lab File ID: 140-905-a-8.D

Analysis Method: TO-15 | Date Collected: 02/18/2014 14:50

Sample wt/vol: 200(mL) | Date Analyzed: 02/19/2014 07:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 856 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
60-29-7	Ethyl ether	ND		2.0	
100-41-4	Ethylbenzene	ND		0.20	
87-68-3	Hexachlorobutadiene	ND		1.0	
110-54-3	Hexane	ND		0.50	
496-11-7	Indane	ND		0.20	
95-13-6	Indene	ND		0.40	
67-63-0	Isopropyl alcohol	ND		2.0	
179601-23-1	m&p-Xylene	ND		0.20	
80-62-6	Methyl methacrylate	ND		0.50	
1634-04-4	Methyl tert-butyl ether	ND		1.0	
108-87-2	Methylcyclohexane	ND		0.20	
75-09-2	Methylene Chloride	ND		0.50	
91-20-3	Naphthalene	ND		0.50	
104-51-8	n-Butylbenzene	ND		0.40	
124-18-5	n-Decane	ND		1.0	
112-40-3	n-Dodecane	ND		1.0	
142-82-5	n-Heptane	ND		0.50	
111-84-2	n-Nonane	ND		0.50	
111-65-9	n-Octane	ND		0.40	
103-65-1	N-Propylbenzene	ND		0.40	
1120-21-4	n-Undecane	ND		1.0	
95-47-6	o-Xylene	ND		0.20	
99-87-6	p-Cymene	ND		0.20	
109-66-0	Pentane	ND		1.0	
115-07-1	Propene	ND		0.50	
135-98-8	sec-Butylbenzene	ND		0.40	
100-42-5	Styrene	ND		0.20	
75-65-0	tert-Butanol	ND		2.0	
98-06-6	tert-Butylbenzene	ND		0.50	
127-18-4	Tetrachloroethene	ND		0.20	
109-99-9	Tetrahydrofuran	ND		1.0	
110-02-1	Thiophene	ND		0.20	
108-88-3	Toluene	ND		0.20	
156-60-5	trans-1,2-Dichloroethene	ND		0.20	
10061-02-6	trans-1,3-Dichloropropene	ND		0.20	
79-01-6	Trichloroethene	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-905-1

SDG No.:

Client Sample ID: 09587 Lab Sample ID: 140-905-8

Matrix: Air Lab File ID: 140-905-a-8.D

Analysis Method: TO-15 Date Collected: 02/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 02/19/2014 07:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 856 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-69-4	Trichlorofluoromethane	ND		0.20	
108-05-4	Vinyl acetate	ND		1.0	
593-60-2	Vinyl bromide	ND		0.20	
75-01-4	Vinyl chloride	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

TestAmerica Knoxville
Target Compound Quantitation Report

Data File: \\KNXCHROM\ChromData\MJ\20140217-448.b\140-905-a-8.D
Lims ID: 140-905-A-8 Lab Sample ID: 140-905-8
Client ID: 09587
Sample Type: Client
Inject. Date: 19-Feb-2014 07:00:30 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 9587
Misc. Info.: J021814,TO15,,140-0000448-023
Operator ID: 7126 Instrument ID: MJ

Method: \\KNXCHROM\ChromData\MJ\20140217-448.b\MJ_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 19-Feb-2014 07:59:32 Calib Date: 13-Dec-2013 09:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\KNXCHROM\ChromData\MJ\20131209-261.b\JICL123R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: tajh Date: 19-Feb-2014 07:59:32

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	9.419	9.411	0.008	93	263621	4.00	
*	2 1,4-Difluorobenzene	114	11.571	11.568	0.003	97	1270972	4.00	
*	3 Chlorobenzene-d5 (IS)	117	16.224	16.227	-0.003	92	1080350	4.00	
$	5 4-Bromofluorobenzene (Surr)	95	17.843	17.841	0.002	86	863359	4.01	
	28 2-Methyl-2-propanol	59	6.536	6.485	0.051	21	3313	0.0209	

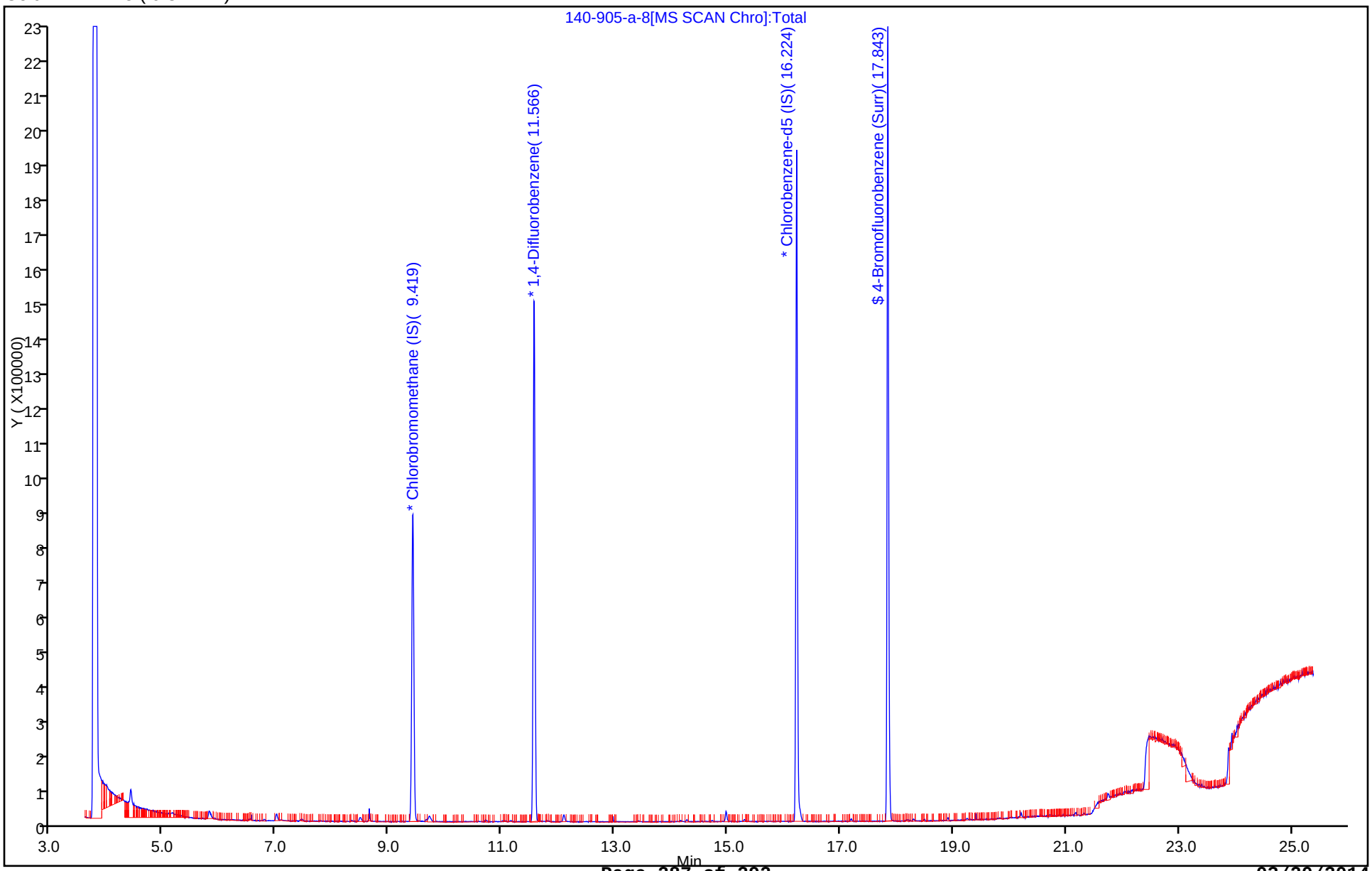
Report Date: 19-Feb-2014 07:59:33 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Knoxville

Data File: \\KNXCHROM\ChromData\MJ\20140217-448.b\140-905-a-8.D

Injection Date:	19-Feb-2014 07:00:30	Instrument ID:	MJ	Operator ID:	7126
Lims ID:	140-905-A-8	Lab Sample ID:	140-905-8	Worklist Smp#:	23
Client ID:	09587				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MJ_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Shipping and Receiving Documents

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: JANICE AUSTIN	Sampled By:	1 of 2 COCs
Company: J.M. WALLER ASSOC. INC	Phone: 404-443-2777	ANDREW GRIMKE	
Address: 100 HARTSFIELD CENTER PKWY	Site Contact:		
City/State/Zip ATLANTA, GA 30354	TAL Contact:		
Phone: 404-443-2777			
FAX: 404-443-2770			
Project Name: SMOKEY MOUNTAIN SMELTER	Analysis Turnaround Time		
Site/location: 1508 MARYVILLE PIKE KNOXVILLE	Standard (Specify)		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SMSSV8-15	3/5/14	1505	1505			NA	09887	X									X		
SMSSV1-5	3/5/14	1550	1550			NA	10517	X									X		
SMSSV2-10	3/5/14	1611	1611			NA	9750	X									X		
SMSSV12-10	3/5/14	1613	1613			NA	9591	X									X		
SMSSV3-10	3/5/14	1733	1733			NA	10741	X									X		
SMSSV5-7	3/5/14	1707	1707			NA	10961	X									X		

Sampled by : ANDREW GRIMKE

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
BKD 3-6-14

12 CANS / 0 FLOWS

Special Instructions/QC Requirements & Comments:

140-1006 Chain of Custody

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/6/14 1345	Received by: 3-6-14 13:45
Relinquished by:	Date/Time:	Received by:

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: JANICE AUSTIN	Sampled By: ANDREW GRIMMKE	2 of 2 COCs
Company: JM WALLER ASSOC. INC	Phone: 404-443-2777		
Address: 100 HARTSFIELD CENTER PKWY #610	Site Contact:		
City/State/Zip ATLANTA, GA 30354	TAL Contact:		
Phone: 404-443-2777			
FAX: 404-443-2770			
Project Name: SMOKEY MOUNTAIN SMELTER	Analysis Turnaround Time		
Site/location: 1508 MARYVILLE PIKE KNOXVILLE	Standard (Specify)		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SMSSV9-10	3/6/14	0950	0950			~~NA~~	10499	X									X		
SMSSV4-15	3/6/14	1025	1025			NA	10921	X									X		
SMSSV6-5	3/6/14	1050	1050			NA	10336	X									X		
SMSSV7-3	3/6/14	1125	1125			NA	09641	X									X		

Sampled by : ANDREW GRIMMKE

	Temperature (Fahrenheit)	
	Interior	Ambient
Start		
Stop		

	Pressure (inches of Hg)	
	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/6/14 1345	Received by: ~~3-6~~ 3-6-14 13:45
Relinquished by:	Date/Time:	Received by: BMD 3-6-14

TestAmerica Knoxville - Air Canister Initial Pressure Check

Analyst	Date	Time	Sample ID	6 L	1 L	Pressure @ Receipt (-in or +psig)	Comments
hmt	3/7/2014	1035	140-1006-A-1		x	-6.2	
hmt	3/7/2014	1036	140-1006-A-2		x	-8.5	
hmt	3/7/2014	1037	140-1006-A-3		x	-13.8	
hmt	3/7/2014	1038	140-1006-A-4		x	-13.4	
hmt	3/7/2014	1039	140-1006-A-5		x	-2.9	
hmt	3/7/2014	1040	140-1006-A-6		x	-3.3	
hmt	3/7/2014	1041	140-1006-A-7		x	0.0	
hmt	3/7/2014	1042	140-1006-A-8		x	-5.9	
hmt	3/7/2014	1043	140-1006-A-9		x	0.0	
hmt	3/7/2014	1044	140-1006-A-10		x	-2.8	

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 140-1006-1

Login Number: 1006

List Source: TestAmerica Knoxville

List Number: 1

Creator: Dameron, Bryan K

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	N/A	CHECKED IN LAB
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

TestAmerica Job ID: 140-1006-1
Client Project/Site: Smokey Mountain Smelter

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

Attn: Janice D. Austin

Terry Walker Wasmund

Authorized for release by:
3/20/2014 3:21:06 PM

Terry Walker Wasmund, Project Manager II
(865)291-3000
terry.wasmund@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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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)

Case Narrative

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Job ID: 140-1006-1

Laboratory: TestAmerica Knoxville

Narrative

Job Narrative
140-1006-1

Receipt
The samples were received on 3/6/2014 1:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air - GC/MS VOA
Method(s) TO 14A, TO 15 LL, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified “zero air” as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of “zero air” by TestAmerica Knoxville.

Method(s) TO-15: The following samples were diluted due to the abundance of non-target analytes: SMSSV3-10 (140-1006-5), SMSSV7-3 (140-1006-10). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Comments
No additional comments.

Detection Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV8-15 — Lab Sample ID: 140-1006-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	2.9		2.0		ppb v/v	1.32		TO-15	Total/NA
Toluene	5.0		2.0		ppb v/v	1.32		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.4		2.0		ppb v/v	1.32		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	1.32		TO-15	Total/NA
Toluene	19		7.5		ug/m3	1.32		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		9.8		ug/m3	1.32		TO-15	Total/NA

Client Sample ID: SMSSV1-5 — Lab Sample ID: 140-1006-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.2		2.0		ppb v/v	1.47		TO-15	Total/NA
Toluene	3.5		2.0		ppb v/v	1.47		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.8		2.0		ppb v/v	1.47		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	14		8.7		ug/m3	1.47		TO-15	Total/NA
Toluene	13		7.5		ug/m3	1.47		TO-15	Total/NA
1,2,4-Trimethylbenzene	19		9.8		ug/m3	1.47		TO-15	Total/NA

Client Sample ID: SMSSV2-10 — Lab Sample ID: 140-1006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.1		2.0		ppb v/v	2.03		TO-15	Total/NA
Toluene	3.7		2.0		ppb v/v	2.03		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.0		2.0		ppb v/v	2.03		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	2.03		TO-15	Total/NA
Toluene	14		7.5		ug/m3	2.03		TO-15	Total/NA
1,2,4-Trimethylbenzene	15		9.8		ug/m3	2.03		TO-15	Total/NA

Client Sample ID: SMSSV92-10 — Lab Sample ID: 140-1006-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	2.8		2.0		ppb v/v	2.22		TO-15	Total/NA
Toluene	3.3		2.0		ppb v/v	2.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.7		2.0		ppb v/v	2.22		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	12		8.7		ug/m3	2.22		TO-15	Total/NA
Toluene	12		7.5		ug/m3	2.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		9.8		ug/m3	2.22		TO-15	Total/NA

Client Sample ID: SMSSV3-10 — Lab Sample ID: 140-1006-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		2.3		ppb v/v	11.62		TO-15	Total/NA
Chlorobenzene	2.9		2.3		ppb v/v	11.62		TO-15	Total/NA
Chloromethane	9.8		5.8		ppb v/v	11.62		TO-15	Total/NA
1,1-Dichloroethane	4.4		2.3		ppb v/v	11.62		TO-15	Total/NA
1,2-Dichloroethane	5.4		2.3		ppb v/v	11.62		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Knoxville

Client Sample ID: SMSSV3-10 (Continued) — Lab Sample ID: 140-1006-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	12		2.3		ppb v/v	11.62		TO-15	Total/NA
Methylene Chloride	12		5.8		ppb v/v	11.62		TO-15	Total/NA
m-Xylene & p-Xylene	13		2.3		ppb v/v	11.62		TO-15	Total/NA
o-Xylene	7.3		2.3		ppb v/v	11.62		TO-15	Total/NA
Toluene	32		2.3		ppb v/v	11.62		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.8		2.3		ppb v/v	11.62		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	43		7.4		ug/m3	11.62		TO-15	Total/NA
Chlorobenzene	14		11		ug/m3	11.62		TO-15	Total/NA
Chloromethane	20		12		ug/m3	11.62		TO-15	Total/NA
1,1-Dichloroethane	18		9.4		ug/m3	11.62		TO-15	Total/NA
1,2-Dichloroethane	22		9.4		ug/m3	11.62		TO-15	Total/NA
Ethylbenzene	52		10		ug/m3	11.62		TO-15	Total/NA
Methylene Chloride	40		20		ug/m3	11.62		TO-15	Total/NA
m-Xylene & p-Xylene	56		10		ug/m3	11.62		TO-15	Total/NA
o-Xylene	32		10		ug/m3	11.62		TO-15	Total/NA
Toluene	120		8.8		ug/m3	11.62		TO-15	Total/NA
1,2,4-Trimethylbenzene	34		11		ug/m3	11.62		TO-15	Total/NA

Client Sample ID: SMSSV5-7 — Lab Sample ID: 140-1006-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	3.1		2.0		ppb v/v	1		TO-15	Total/NA
Toluene	3.6		2.0		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.7		2.0		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	13		8.7		ug/m3	1		TO-15	Total/NA
Toluene	14		7.5		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		9.8		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV9-10 — Lab Sample ID: 140-1006-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.1		2.0		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	2.3		2.0		ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	8.8		2.0		ppb v/v	1		TO-15	Total/NA
o-Xylene	4.2		2.0		ppb v/v	1		TO-15	Total/NA
Toluene	13		2.0		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.6		2.0		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		6.4		ug/m3	1		TO-15	Total/NA
Ethylbenzene	10		8.7		ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	38		8.7		ug/m3	1		TO-15	Total/NA
o-Xylene	18		8.7		ug/m3	1		TO-15	Total/NA
Toluene	47		7.5		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	23		9.8		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV4-15 — Lab Sample ID: 140-1006-8

This Detection Summary does not include radiochemical test results.

Client Sample ID: SMSSV4-15 (Continued)

Lab Sample ID: 140-1006-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.7		2.0		ppb v/v	1.25		TO-15	Total/NA
Ethylbenzene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
m-Xylene & p-Xylene	29		2.0		ppb v/v	1.25		TO-15	Total/NA
o-Xylene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
Toluene	30		2.0		ppb v/v	1.25		TO-15	Total/NA
1,2,4-Trimethylbenzene	11		2.0		ppb v/v	1.25		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.7		2.0		ppb v/v	1.25		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		6.4		ug/m3	1.25		TO-15	Total/NA
Ethylbenzene	48		8.7		ug/m3	1.25		TO-15	Total/NA
m-Xylene & p-Xylene	130		8.7		ug/m3	1.25		TO-15	Total/NA
o-Xylene	47		8.7		ug/m3	1.25		TO-15	Total/NA
Toluene	110		7.5		ug/m3	1.25		TO-15	Total/NA
1,2,4-Trimethylbenzene	56		9.8		ug/m3	1.25		TO-15	Total/NA
1,3,5-Trimethylbenzene	14		9.8		ug/m3	1.25		TO-15	Total/NA

Client Sample ID: SMSSV6-5

Lab Sample ID: 140-1006-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	5.7		1.8		ppb v/v	1		TO-15	Total/NA
o-Xylene	2.4		1.8		ppb v/v	1		TO-15	Total/NA
Toluene	2.9		1.8		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.6		1.8		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	25		7.9		ug/m3	1		TO-15	Total/NA
o-Xylene	10		7.9		ug/m3	1		TO-15	Total/NA
Toluene	11		6.9		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		8.9		ug/m3	1		TO-15	Total/NA

Client Sample ID: SMSSV7-3

Lab Sample ID: 140-1006-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	5.3		3.6		ppb v/v	1		TO-15	Total/NA
Toluene	3.7		3.6		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.5		3.6		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	23		16		ug/m3	1		TO-15	Total/NA
Toluene	14		14		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	22		18		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV8-15
Date Collected: 03/05/14 15:05
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 21:43	1.32
Bromomethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloroform	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Chloromethane	ND		5.0		ppb v/v			03/12/14 21:43	1.32
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 21:43	1.32
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 21:43	1.32
m-Xylene & p-Xylene	**2.9**		2.0		ppb v/v			03/12/14 21:43	1.32
o-Xylene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Styrene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Toluene	**5.0**		2.0		ppb v/v			03/12/14 21:43	1.32
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 21:43	1.32
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Trichloroethene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 21:43	1.32
1,2,4-Trimethylbenzene	**2.4**		2.0		ppb v/v			03/12/14 21:43	1.32
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 21:43	1.32
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 21:43	1.32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 21:43	1.32
Benzyl chloride	ND		21		ug/m3			03/12/14 21:43	1.32
Bromomethane	ND		7.8		ug/m3			03/12/14 21:43	1.32
Carbon tetrachloride	ND		13		ug/m3			03/12/14 21:43	1.32
Chlorobenzene	ND		9.2		ug/m3			03/12/14 21:43	1.32
Chloroethane	ND		5.3		ug/m3			03/12/14 21:43	1.32
Chloroform	ND		9.8		ug/m3			03/12/14 21:43	1.32
Chloromethane	ND		10		ug/m3			03/12/14 21:43	1.32

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV8-15
Date Collected: 03/05/14 15:05
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 21:43	1.32
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 21:43	1.32
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 21:43	1.32
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 21:43	1.32
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 21:43	1.32
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 21:43	1.32
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 21:43	1.32
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 21:43	1.32
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 21:43	1.32
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 21:43	1.32
Ethylbenzene	ND		8.7		ug/m3			03/12/14 21:43	1.32
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 21:43	1.32
Methylene Chloride	ND		17		ug/m3			03/12/14 21:43	1.32
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/12/14 21:43	1.32
o-Xylene	ND		8.7		ug/m3			03/12/14 21:43	1.32
Styrene	ND		8.5		ug/m3			03/12/14 21:43	1.32
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 21:43	1.32
Tetrachloroethene	ND		14		ug/m3			03/12/14 21:43	1.32
Toluene	**19**		7.5		ug/m3			03/12/14 21:43	1.32
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 21:43	1.32
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 21:43	1.32
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 21:43	1.32
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 21:43	1.32
Trichloroethene	ND		11		ug/m3			03/12/14 21:43	1.32
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 21:43	1.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 21:43	1.32
1,2,4-Trimethylbenzene	**12**		9.8		ug/m3			03/12/14 21:43	1.32
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 21:43	1.32
Vinyl chloride	ND		5.1		ug/m3			03/12/14 21:43	1.32

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*03/12/14 21:43*	*1.32*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV1-5
Date Collected: 03/05/14 15:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 22:37	1.47
Bromomethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloroform	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Chloromethane	ND		5.0		ppb v/v			03/12/14 22:37	1.47
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 22:37	1.47
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 22:37	1.47
m-Xylene & p-Xylene	**3.2**		2.0		ppb v/v			03/12/14 22:37	1.47
o-Xylene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Styrene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Toluene	**3.5**		2.0		ppb v/v			03/12/14 22:37	1.47
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 22:37	1.47
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Trichloroethene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 22:37	1.47
1,2,4-Trimethylbenzene	**3.8**		2.0		ppb v/v			03/12/14 22:37	1.47
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 22:37	1.47
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 22:37	1.47

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 22:37	1.47
Benzyl chloride	ND		21		ug/m3			03/12/14 22:37	1.47
Bromomethane	ND		7.8		ug/m3			03/12/14 22:37	1.47
Carbon tetrachloride	ND		13		ug/m3			03/12/14 22:37	1.47
Chlorobenzene	ND		9.2		ug/m3			03/12/14 22:37	1.47
Chloroethane	ND		5.3		ug/m3			03/12/14 22:37	1.47
Chloroform	ND		9.8		ug/m3			03/12/14 22:37	1.47
Chloromethane	ND		10		ug/m3			03/12/14 22:37	1.47

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV1-5
Date Collected: 03/05/14 15:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 22:37	1.47
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 22:37	1.47
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 22:37	1.47
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 22:37	1.47
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 22:37	1.47
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 22:37	1.47
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 22:37	1.47
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 22:37	1.47
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 22:37	1.47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 22:37	1.47
Ethylbenzene	ND		8.7		ug/m3			03/12/14 22:37	1.47
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 22:37	1.47
Methylene Chloride	ND		17		ug/m3			03/12/14 22:37	1.47
m-Xylene & p-Xylene	**14**		8.7		ug/m3			03/12/14 22:37	1.47
o-Xylene	ND		8.7		ug/m3			03/12/14 22:37	1.47
Styrene	ND		8.5		ug/m3			03/12/14 22:37	1.47
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 22:37	1.47
Tetrachloroethene	ND		14		ug/m3			03/12/14 22:37	1.47
Toluene	**13**		7.5		ug/m3			03/12/14 22:37	1.47
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 22:37	1.47
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 22:37	1.47
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 22:37	1.47
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 22:37	1.47
Trichloroethene	ND		11		ug/m3			03/12/14 22:37	1.47
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 22:37	1.47
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 22:37	1.47
1,2,4-Trimethylbenzene	**19**		9.8		ug/m3			03/12/14 22:37	1.47
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 22:37	1.47
Vinyl chloride	ND		5.1		ug/m3			03/12/14 22:37	1.47

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*03/12/14 22:37*	*1.47*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV2-10
Date Collected: 03/05/14 16:11
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Benzyl chloride	ND		4.0		ppb v/v			03/12/14 23:31	2.03
Bromomethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Carbon tetrachloride	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloroform	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Chloromethane	ND		5.0		ppb v/v			03/12/14 23:31	2.03
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1-Dichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1-Dichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloropropane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Ethylbenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Hexachlorobutadiene	ND		10		ppb v/v			03/12/14 23:31	2.03
Methylene Chloride	ND		5.0		ppb v/v			03/12/14 23:31	2.03
m-Xylene & p-Xylene	**3.1**		2.0		ppb v/v			03/12/14 23:31	2.03
o-Xylene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Styrene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Tetrachloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Toluene	**3.7**		2.0		ppb v/v			03/12/14 23:31	2.03
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/12/14 23:31	2.03
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Trichloroethene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Trichlorofluoromethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/12/14 23:31	2.03
1,2,4-Trimethylbenzene	**3.0**		2.0		ppb v/v			03/12/14 23:31	2.03
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/12/14 23:31	2.03
Vinyl chloride	ND		2.0		ppb v/v			03/12/14 23:31	2.03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/12/14 23:31	2.03
Benzyl chloride	ND		21		ug/m3			03/12/14 23:31	2.03
Bromomethane	ND		7.8		ug/m3			03/12/14 23:31	2.03
Carbon tetrachloride	ND		13		ug/m3			03/12/14 23:31	2.03
Chlorobenzene	ND		9.2		ug/m3			03/12/14 23:31	2.03
Chloroethane	ND		5.3		ug/m3			03/12/14 23:31	2.03
Chloroform	ND		9.8		ug/m3			03/12/14 23:31	2.03
Chloromethane	ND		10		ug/m3			03/12/14 23:31	2.03

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV2-10
Date Collected: 03/05/14 16:11
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/12/14 23:31	2.03
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 23:31	2.03
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/12/14 23:31	2.03
1,2-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
1,3-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
1,4-Dichlorobenzene	ND		12		ug/m3			03/12/14 23:31	2.03
Dichlorodifluoromethane	ND		9.9		ug/m3			03/12/14 23:31	2.03
1,1-Dichloroethane	ND		8.1		ug/m3			03/12/14 23:31	2.03
1,2-Dichloroethane	ND		8.1		ug/m3			03/12/14 23:31	2.03
1,1-Dichloroethene	ND		7.9		ug/m3			03/12/14 23:31	2.03
1,2-Dichloropropane	ND		9.2		ug/m3			03/12/14 23:31	2.03
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/12/14 23:31	2.03
Ethylbenzene	ND		8.7		ug/m3			03/12/14 23:31	2.03
Hexachlorobutadiene	ND		110		ug/m3			03/12/14 23:31	2.03
Methylene Chloride	ND		17		ug/m3			03/12/14 23:31	2.03
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/12/14 23:31	2.03
o-Xylene	ND		8.7		ug/m3			03/12/14 23:31	2.03
Styrene	ND		8.5		ug/m3			03/12/14 23:31	2.03
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/12/14 23:31	2.03
Tetrachloroethene	ND		14		ug/m3			03/12/14 23:31	2.03
Toluene	**14**		7.5		ug/m3			03/12/14 23:31	2.03
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/12/14 23:31	2.03
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/12/14 23:31	2.03
1,1,1-Trichloroethane	ND		11		ug/m3			03/12/14 23:31	2.03
1,1,2-Trichloroethane	ND		11		ug/m3			03/12/14 23:31	2.03
Trichloroethene	ND		11		ug/m3			03/12/14 23:31	2.03
Trichlorofluoromethane	ND		11		ug/m3			03/12/14 23:31	2.03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/12/14 23:31	2.03
1,2,4-Trimethylbenzene	**15**		9.8		ug/m3			03/12/14 23:31	2.03
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/12/14 23:31	2.03
Vinyl chloride	ND		5.1		ug/m3			03/12/14 23:31	2.03

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*03/12/14 23:31*	*2.03*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV92-10
Date Collected: 03/05/14 16:13
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 00:25	2.22
Bromomethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloroform	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Chloromethane	ND		5.0		ppb v/v			03/13/14 00:25	2.22
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Ethylbenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 00:25	2.22
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 00:25	2.22
m-Xylene & p-Xylene	**2.8**		2.0		ppb v/v			03/13/14 00:25	2.22
o-Xylene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Styrene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Toluene	**3.3**		2.0		ppb v/v			03/13/14 00:25	2.22
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 00:25	2.22
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Trichloroethene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 00:25	2.22
1,2,4-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 00:25	2.22
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 00:25	2.22
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 00:25	2.22

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/13/14 00:25	2.22
Benzyl chloride	ND		21		ug/m3			03/13/14 00:25	2.22
Bromomethane	ND		7.8		ug/m3			03/13/14 00:25	2.22
Carbon tetrachloride	ND		13		ug/m3			03/13/14 00:25	2.22
Chlorobenzene	ND		9.2		ug/m3			03/13/14 00:25	2.22
Chloroethane	ND		5.3		ug/m3			03/13/14 00:25	2.22
Chloroform	ND		9.8		ug/m3			03/13/14 00:25	2.22
Chloromethane	ND		10		ug/m3			03/13/14 00:25	2.22

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV92-10
Date Collected: 03/05/14 16:13
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 00:25	2.22
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 00:25	2.22
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 00:25	2.22
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 00:25	2.22
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 00:25	2.22
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 00:25	2.22
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 00:25	2.22
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 00:25	2.22
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 00:25	2.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 00:25	2.22
Ethylbenzene	ND		8.7		ug/m3			03/13/14 00:25	2.22
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 00:25	2.22
Methylene Chloride	ND		17		ug/m3			03/13/14 00:25	2.22
m-Xylene & p-Xylene	**12**		8.7		ug/m3			03/13/14 00:25	2.22
o-Xylene	ND		8.7		ug/m3			03/13/14 00:25	2.22
Styrene	ND		8.5		ug/m3			03/13/14 00:25	2.22
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 00:25	2.22
Tetrachloroethene	ND		14		ug/m3			03/13/14 00:25	2.22
Toluene	**12**		7.5		ug/m3			03/13/14 00:25	2.22
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 00:25	2.22
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 00:25	2.22
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 00:25	2.22
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 00:25	2.22
Trichloroethene	ND		11		ug/m3			03/13/14 00:25	2.22
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 00:25	2.22
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 00:25	2.22
1,2,4-Trimethylbenzene	**13**		9.8		ug/m3			03/13/14 00:25	2.22
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 00:25	2.22
Vinyl chloride	ND		5.1		ug/m3			03/13/14 00:25	2.22

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*03/13/14 00:25*	*2.22*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV3-10
Date Collected: 03/05/14 17:33
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		2.3		ppb v/v			03/13/14 08:29	11.62
Benzyl chloride	ND		4.6		ppb v/v			03/13/14 08:29	11.62
Bromomethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Carbon tetrachloride	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chlorobenzene	**2.9**		2.3		ppb v/v			03/13/14 08:29	11.62
Chloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chloroform	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Chloromethane	**9.8**		5.8		ppb v/v			03/13/14 08:29	11.62
cis-1,2-Dichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
cis-1,3-Dichloropropene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dibromoethane (EDB)	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,3-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,4-Dichlorobenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Dichlorodifluoromethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1-Dichloroethane	**4.4**		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloroethane	**5.4**		2.3		ppb v/v			03/13/14 08:29	11.62
1,1-Dichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloropropane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Ethylbenzene	**12**		2.3		ppb v/v			03/13/14 08:29	11.62
Hexachlorobutadiene	ND		12		ppb v/v			03/13/14 08:29	11.62
Methylene Chloride	**12**		5.8		ppb v/v			03/13/14 08:29	11.62
m-Xylene & p-Xylene	**13**		2.3		ppb v/v			03/13/14 08:29	11.62
o-Xylene	**7.3**		2.3		ppb v/v			03/13/14 08:29	11.62
Styrene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2,2-Tetrachloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Tetrachloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Toluene	**32**		2.3		ppb v/v			03/13/14 08:29	11.62
trans-1,3-Dichloropropene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2,4-Trichlorobenzene	ND		12		ppb v/v			03/13/14 08:29	11.62
1,1,1-Trichloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2-Trichloroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Trichloroethene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Trichlorofluoromethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.3		ppb v/v			03/13/14 08:29	11.62
1,2,4-Trimethylbenzene	**6.8**		2.3		ppb v/v			03/13/14 08:29	11.62
1,3,5-Trimethylbenzene	ND		2.3		ppb v/v			03/13/14 08:29	11.62
Vinyl chloride	ND		2.3		ppb v/v			03/13/14 08:29	11.62

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**43**		7.4		ug/m3			03/13/14 08:29	11.62
Benzyl chloride	ND		24		ug/m3			03/13/14 08:29	11.62
Bromomethane	ND		9.0		ug/m3			03/13/14 08:29	11.62
Carbon tetrachloride	ND		15		ug/m3			03/13/14 08:29	11.62
Chlorobenzene	**14**		11		ug/m3			03/13/14 08:29	11.62
Chloroethane	ND		6.1		ug/m3			03/13/14 08:29	11.62
Chloroform	ND		11		ug/m3			03/13/14 08:29	11.62
Chloromethane	**20**		12		ug/m3			03/13/14 08:29	11.62

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV3-10
Date Collected: 03/05/14 17:33
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		9.2		ug/m3			03/13/14 08:29	11.62
cis-1,3-Dichloropropene	ND		11		ug/m3			03/13/14 08:29	11.62
1,2-Dibromoethane (EDB)	ND		18		ug/m3			03/13/14 08:29	11.62
1,2-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
1,3-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
1,4-Dichlorobenzene	ND		14		ug/m3			03/13/14 08:29	11.62
Dichlorodifluoromethane	ND		11		ug/m3			03/13/14 08:29	11.62
1,1-Dichloroethane	**18**		9.4		ug/m3			03/13/14 08:29	11.62
1,2-Dichloroethane	**22**		9.4		ug/m3			03/13/14 08:29	11.62
1,1-Dichloroethene	ND		9.2		ug/m3			03/13/14 08:29	11.62
1,2-Dichloropropane	ND		11		ug/m3			03/13/14 08:29	11.62
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		16		ug/m3			03/13/14 08:29	11.62
Ethylbenzene	**52**		10		ug/m3			03/13/14 08:29	11.62
Hexachlorobutadiene	ND		120		ug/m3			03/13/14 08:29	11.62
Methylene Chloride	**40**		20		ug/m3			03/13/14 08:29	11.62
m-Xylene & p-Xylene	**56**		10		ug/m3			03/13/14 08:29	11.62
o-Xylene	**32**		10		ug/m3			03/13/14 08:29	11.62
Styrene	ND		9.9		ug/m3			03/13/14 08:29	11.62
1,1,2,2-Tetrachloroethane	ND		16		ug/m3			03/13/14 08:29	11.62
Tetrachloroethene	ND		16		ug/m3			03/13/14 08:29	11.62
Toluene	**120**		8.8		ug/m3			03/13/14 08:29	11.62
trans-1,3-Dichloropropene	ND		11		ug/m3			03/13/14 08:29	11.62
1,2,4-Trichlorobenzene	ND		86		ug/m3			03/13/14 08:29	11.62
1,1,1-Trichloroethane	ND		13		ug/m3			03/13/14 08:29	11.62
1,1,2-Trichloroethane	ND		13		ug/m3			03/13/14 08:29	11.62
Trichloroethene	ND		12		ug/m3			03/13/14 08:29	11.62
Trichlorofluoromethane	ND		13		ug/m3			03/13/14 08:29	11.62
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18		ug/m3			03/13/14 08:29	11.62
1,2,4-Trimethylbenzene	**34**		11		ug/m3			03/13/14 08:29	11.62
1,3,5-Trimethylbenzene	ND		11		ug/m3			03/13/14 08:29	11.62
Vinyl chloride	ND		5.9		ug/m3			03/13/14 08:29	11.62

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*03/13/14 08:29*	*11.62*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV5-7
Date Collected: 03/05/14 17:07
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 02:12	1
Bromomethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 02:12	1
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloroform	ND		2.0		ppb v/v			03/13/14 02:12	1
Chloromethane	ND		5.0		ppb v/v			03/13/14 02:12	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Ethylbenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 02:12	1
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 02:12	1
m-Xylene & p-Xylene	**3.1**		2.0		ppb v/v			03/13/14 02:12	1
o-Xylene	ND		2.0		ppb v/v			03/13/14 02:12	1
Styrene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
Toluene	**3.6**		2.0		ppb v/v			03/13/14 02:12	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 02:12	1
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
Trichloroethene	ND		2.0		ppb v/v			03/13/14 02:12	1
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 02:12	1
1,2,4-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 02:12	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 02:12	1
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 02:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.4		ug/m3			03/13/14 02:12	1
Benzyl chloride	ND		21		ug/m3			03/13/14 02:12	1
Bromomethane	ND		7.8		ug/m3			03/13/14 02:12	1
Carbon tetrachloride	ND		13		ug/m3			03/13/14 02:12	1
Chlorobenzene	ND		9.2		ug/m3			03/13/14 02:12	1
Chloroethane	ND		5.3		ug/m3			03/13/14 02:12	1
Chloroform	ND		9.8		ug/m3			03/13/14 02:12	1
Chloromethane	ND		10		ug/m3			03/13/14 02:12	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV5-7
Date Collected: 03/05/14 17:07
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 02:12	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 02:12	1
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 02:12	1
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 02:12	1
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 02:12	1
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 02:12	1
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 02:12	1
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 02:12	1
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 02:12	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 02:12	1
Ethylbenzene	ND		8.7		ug/m3			03/13/14 02:12	1
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 02:12	1
Methylene Chloride	ND		17		ug/m3			03/13/14 02:12	1
m-Xylene & p-Xylene	**13**		8.7		ug/m3			03/13/14 02:12	1
o-Xylene	ND		8.7		ug/m3			03/13/14 02:12	1
Styrene	ND		8.5		ug/m3			03/13/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 02:12	1
Tetrachloroethene	ND		14		ug/m3			03/13/14 02:12	1
Toluene	**14**		7.5		ug/m3			03/13/14 02:12	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 02:12	1
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 02:12	1
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 02:12	1
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 02:12	1
Trichloroethene	ND		11		ug/m3			03/13/14 02:12	1
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 02:12	1
1,2,4-Trimethylbenzene	**13**		9.8		ug/m3			03/13/14 02:12	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 02:12	1
Vinyl chloride	ND		5.1		ug/m3			03/13/14 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/13/14 02:12*	*1*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV9-10
Date Collected: 03/06/14 09:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.1**		2.0		ppb v/v			03/13/14 03:06	1
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 03:06	1
Bromomethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 03:06	1
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloroform	ND		2.0		ppb v/v			03/13/14 03:06	1
Chloromethane	ND		5.0		ppb v/v			03/13/14 03:06	1
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Ethylbenzene	**2.3**		2.0		ppb v/v			03/13/14 03:06	1
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 03:06	1
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 03:06	1
m-Xylene & p-Xylene	**8.8**		2.0		ppb v/v			03/13/14 03:06	1
o-Xylene	**4.2**		2.0		ppb v/v			03/13/14 03:06	1
Styrene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
Toluene	**13**		2.0		ppb v/v			03/13/14 03:06	1
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 03:06	1
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
Trichloroethene	ND		2.0		ppb v/v			03/13/14 03:06	1
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 03:06	1
1,2,4-Trimethylbenzene	**4.6**		2.0		ppb v/v			03/13/14 03:06	1
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			03/13/14 03:06	1
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 03:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		6.4		ug/m3			03/13/14 03:06	1
Benzyl chloride	ND		21		ug/m3			03/13/14 03:06	1
Bromomethane	ND		7.8		ug/m3			03/13/14 03:06	1
Carbon tetrachloride	ND		13		ug/m3			03/13/14 03:06	1
Chlorobenzene	ND		9.2		ug/m3			03/13/14 03:06	1
Chloroethane	ND		5.3		ug/m3			03/13/14 03:06	1
Chloroform	ND		9.8		ug/m3			03/13/14 03:06	1
Chloromethane	ND		10		ug/m3			03/13/14 03:06	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV9-10
Date Collected: 03/06/14 09:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 03:06	1
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 03:06	1
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 03:06	1
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 03:06	1
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 03:06	1
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 03:06	1
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 03:06	1
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 03:06	1
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 03:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 03:06	1
Ethylbenzene	**10**		8.7		ug/m3			03/13/14 03:06	1
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 03:06	1
Methylene Chloride	ND		17		ug/m3			03/13/14 03:06	1
m-Xylene & p-Xylene	**38**		8.7		ug/m3			03/13/14 03:06	1
o-Xylene	**18**		8.7		ug/m3			03/13/14 03:06	1
Styrene	ND		8.5		ug/m3			03/13/14 03:06	1
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 03:06	1
Tetrachloroethene	ND		14		ug/m3			03/13/14 03:06	1
Toluene	**47**		7.5		ug/m3			03/13/14 03:06	1
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 03:06	1
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 03:06	1
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 03:06	1
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 03:06	1
Trichloroethene	ND		11		ug/m3			03/13/14 03:06	1
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 03:06	1
1,2,4-Trimethylbenzene	**23**		9.8		ug/m3			03/13/14 03:06	1
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			03/13/14 03:06	1
Vinyl chloride	ND		5.1		ug/m3			03/13/14 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*03/13/14 03:06*	*1*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV4-15
Date Collected: 03/06/14 10:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-8
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.7**		2.0		ppb v/v			03/13/14 04:00	1.25
Benzyl chloride	ND		4.0		ppb v/v			03/13/14 04:00	1.25
Bromomethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Carbon tetrachloride	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloroform	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Chloromethane	ND		5.0		ppb v/v			03/13/14 04:00	1.25
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,3-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,4-Dichlorobenzene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Dichlorodifluoromethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1-Dichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1-Dichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloropropane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Ethylbenzene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
Hexachlorobutadiene	ND		10		ppb v/v			03/13/14 04:00	1.25
Methylene Chloride	ND		5.0		ppb v/v			03/13/14 04:00	1.25
m-Xylene & p-Xylene	**29**		2.0		ppb v/v			03/13/14 04:00	1.25
o-Xylene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
Styrene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Tetrachloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Toluene	**30**		2.0		ppb v/v			03/13/14 04:00	1.25
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2,4-Trichlorobenzene	ND		10		ppb v/v			03/13/14 04:00	1.25
1,1,1-Trichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2-Trichloroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Trichloroethene	ND		2.0		ppb v/v			03/13/14 04:00	1.25
Trichlorofluoromethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			03/13/14 04:00	1.25
1,2,4-Trimethylbenzene	**11**		2.0		ppb v/v			03/13/14 04:00	1.25
1,3,5-Trimethylbenzene	**2.7**		2.0		ppb v/v			03/13/14 04:00	1.25
Vinyl chloride	ND		2.0		ppb v/v			03/13/14 04:00	1.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**21**		6.4		ug/m3			03/13/14 04:00	1.25
Benzyl chloride	ND		21		ug/m3			03/13/14 04:00	1.25
Bromomethane	ND		7.8		ug/m3			03/13/14 04:00	1.25
Carbon tetrachloride	ND		13		ug/m3			03/13/14 04:00	1.25
Chlorobenzene	ND		9.2		ug/m3			03/13/14 04:00	1.25
Chloroethane	ND		5.3		ug/m3			03/13/14 04:00	1.25
Chloroform	ND		9.8		ug/m3			03/13/14 04:00	1.25
Chloromethane	ND		10		ug/m3			03/13/14 04:00	1.25

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV4-15
Date Collected: 03/06/14 10:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-8
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.9		ug/m3			03/13/14 04:00	1.25
cis-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 04:00	1.25
1,2-Dibromoethane (EDB)	ND		15		ug/m3			03/13/14 04:00	1.25
1,2-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
1,3-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
1,4-Dichlorobenzene	ND		12		ug/m3			03/13/14 04:00	1.25
Dichlorodifluoromethane	ND		9.9		ug/m3			03/13/14 04:00	1.25
1,1-Dichloroethane	ND		8.1		ug/m3			03/13/14 04:00	1.25
1,2-Dichloroethane	ND		8.1		ug/m3			03/13/14 04:00	1.25
1,1-Dichloroethene	ND		7.9		ug/m3			03/13/14 04:00	1.25
1,2-Dichloropropane	ND		9.2		ug/m3			03/13/14 04:00	1.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14		ug/m3			03/13/14 04:00	1.25
Ethylbenzene	**48**		8.7		ug/m3			03/13/14 04:00	1.25
Hexachlorobutadiene	ND		110		ug/m3			03/13/14 04:00	1.25
Methylene Chloride	ND		17		ug/m3			03/13/14 04:00	1.25
m-Xylene & p-Xylene	**130**		8.7		ug/m3			03/13/14 04:00	1.25
o-Xylene	**47**		8.7		ug/m3			03/13/14 04:00	1.25
Styrene	ND		8.5		ug/m3			03/13/14 04:00	1.25
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			03/13/14 04:00	1.25
Tetrachloroethene	ND		14		ug/m3			03/13/14 04:00	1.25
Toluene	**110**		7.5		ug/m3			03/13/14 04:00	1.25
trans-1,3-Dichloropropene	ND		9.1		ug/m3			03/13/14 04:00	1.25
1,2,4-Trichlorobenzene	ND		74		ug/m3			03/13/14 04:00	1.25
1,1,1-Trichloroethane	ND		11		ug/m3			03/13/14 04:00	1.25
1,1,2-Trichloroethane	ND		11		ug/m3			03/13/14 04:00	1.25
Trichloroethene	ND		11		ug/m3			03/13/14 04:00	1.25
Trichlorofluoromethane	ND		11		ug/m3			03/13/14 04:00	1.25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			03/13/14 04:00	1.25
1,2,4-Trimethylbenzene	**56**		9.8		ug/m3			03/13/14 04:00	1.25
1,3,5-Trimethylbenzene	**14**		9.8		ug/m3			03/13/14 04:00	1.25
Vinyl chloride	ND		5.1		ug/m3			03/13/14 04:00	1.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*		*03/13/14 04:00*	*1.25*

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV6-5
Date Collected: 03/06/14 10:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-9
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Benzyl chloride	ND		3.6		ppb v/v			03/13/14 04:54	1
Bromomethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Carbon tetrachloride	ND		1.8		ppb v/v			03/13/14 04:54	1
Chlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloroform	ND		1.8		ppb v/v			03/13/14 04:54	1
Chloromethane	ND		4.5		ppb v/v			03/13/14 04:54	1
cis-1,2-Dichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
cis-1,3-Dichloropropene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dibromoethane (EDB)	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,3-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,4-Dichlorobenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Dichlorodifluoromethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1-Dichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1-Dichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloropropane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Ethylbenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Hexachlorobutadiene	ND		9.1		ppb v/v			03/13/14 04:54	1
Methylene Chloride	ND		4.5		ppb v/v			03/13/14 04:54	1
m-Xylene & p-Xylene	**5.7**		1.8		ppb v/v			03/13/14 04:54	1
o-Xylene	**2.4**		1.8		ppb v/v			03/13/14 04:54	1
Styrene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2,2-Tetrachloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Tetrachloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
Toluene	**2.9**		1.8		ppb v/v			03/13/14 04:54	1
trans-1,3-Dichloropropene	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2,4-Trichlorobenzene	ND		9.1		ppb v/v			03/13/14 04:54	1
1,1,1-Trichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2-Trichloroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
Trichloroethene	ND		1.8		ppb v/v			03/13/14 04:54	1
Trichlorofluoromethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.8		ppb v/v			03/13/14 04:54	1
1,2,4-Trimethylbenzene	**2.6**		1.8		ppb v/v			03/13/14 04:54	1
1,3,5-Trimethylbenzene	ND		1.8		ppb v/v			03/13/14 04:54	1
Vinyl chloride	ND		1.8		ppb v/v			03/13/14 04:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.8		ug/m3			03/13/14 04:54	1
Benzyl chloride	ND		19		ug/m3			03/13/14 04:54	1
Bromomethane	ND		7.1		ug/m3			03/13/14 04:54	1
Carbon tetrachloride	ND		11		ug/m3			03/13/14 04:54	1
Chlorobenzene	ND		8.4		ug/m3			03/13/14 04:54	1
Chloroethane	ND		4.8		ug/m3			03/13/14 04:54	1
Chloroform	ND		8.9		ug/m3			03/13/14 04:54	1
Chloromethane	ND		9.4		ug/m3			03/13/14 04:54	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV6-5
Date Collected: 03/06/14 10:50
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-9
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.2		ug/m3			03/13/14 04:54	1
cis-1,3-Dichloropropene	ND		8.3		ug/m3			03/13/14 04:54	1
1,2-Dibromoethane (EDB)	ND		14		ug/m3			03/13/14 04:54	1
1,2-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
1,3-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
1,4-Dichlorobenzene	ND		11		ug/m3			03/13/14 04:54	1
Dichlorodifluoromethane	ND		9.0		ug/m3			03/13/14 04:54	1
1,1-Dichloroethane	ND		7.4		ug/m3			03/13/14 04:54	1
1,2-Dichloroethane	ND		7.4		ug/m3			03/13/14 04:54	1
1,1-Dichloroethene	ND		7.2		ug/m3			03/13/14 04:54	1
1,2-Dichloropropane	ND		8.4		ug/m3			03/13/14 04:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		13		ug/m3			03/13/14 04:54	1
Ethylbenzene	ND		7.9		ug/m3			03/13/14 04:54	1
Hexachlorobutadiene	ND		97		ug/m3			03/13/14 04:54	1
Methylene Chloride	ND		16		ug/m3			03/13/14 04:54	1
m-Xylene & p-Xylene	**25**		7.9		ug/m3			03/13/14 04:54	1
o-Xylene	**10**		7.9		ug/m3			03/13/14 04:54	1
Styrene	ND		7.7		ug/m3			03/13/14 04:54	1
1,1,2,2-Tetrachloroethane	ND		12		ug/m3			03/13/14 04:54	1
Tetrachloroethene	ND		12		ug/m3			03/13/14 04:54	1
Toluene	**11**		6.9		ug/m3			03/13/14 04:54	1
trans-1,3-Dichloropropene	ND		8.3		ug/m3			03/13/14 04:54	1
1,2,4-Trichlorobenzene	ND		67		ug/m3			03/13/14 04:54	1
1,1,1-Trichloroethane	ND		9.9		ug/m3			03/13/14 04:54	1
1,1,2-Trichloroethane	ND		9.9		ug/m3			03/13/14 04:54	1
Trichloroethene	ND		9.8		ug/m3			03/13/14 04:54	1
Trichlorofluoromethane	ND		10		ug/m3			03/13/14 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			03/13/14 04:54	1
1,2,4-Trimethylbenzene	**13**		8.9		ug/m3			03/13/14 04:54	1
1,3,5-Trimethylbenzene	ND		8.9		ug/m3			03/13/14 04:54	1
Vinyl chloride	ND		4.6		ug/m3			03/13/14 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/13/14 04:54*	*1*

Client Sample ID: SMSSV7-3
Date Collected: 03/06/14 11:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-10
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Benzyl chloride	ND		7.3		ppb v/v			03/13/14 05:48	1
Bromomethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Carbon tetrachloride	ND		3.6		ppb v/v			03/13/14 05:48	1
Chlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloroform	ND		3.6		ppb v/v			03/13/14 05:48	1
Chloromethane	ND		9.1		ppb v/v			03/13/14 05:48	1
cis-1,2-Dichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
cis-1,3-Dichloropropene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dibromoethane (EDB)	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,3-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,4-Dichlorobenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Dichlorodifluoromethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1-Dichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1-Dichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloropropane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Ethylbenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Hexachlorobutadiene	ND		18		ppb v/v			03/13/14 05:48	1
Methylene Chloride	ND		9.1		ppb v/v			03/13/14 05:48	1
m-Xylene & p-Xylene	**5.3**		3.6		ppb v/v			03/13/14 05:48	1
o-Xylene	ND		3.6		ppb v/v			03/13/14 05:48	1
Styrene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2,2-Tetrachloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Tetrachloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
Toluene	**3.7**		3.6		ppb v/v			03/13/14 05:48	1
trans-1,3-Dichloropropene	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2,4-Trichlorobenzene	ND		18		ppb v/v			03/13/14 05:48	1
1,1,1-Trichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2-Trichloroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
Trichloroethene	ND		3.6		ppb v/v			03/13/14 05:48	1
Trichlorofluoromethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6		ppb v/v			03/13/14 05:48	1
1,2,4-Trimethylbenzene	**4.5**		3.6		ppb v/v			03/13/14 05:48	1
1,3,5-Trimethylbenzene	ND		3.6		ppb v/v			03/13/14 05:48	1
Vinyl chloride	ND		3.6		ppb v/v			03/13/14 05:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		12		ug/m3			03/13/14 05:48	1
Benzyl chloride	ND		38		ug/m3			03/13/14 05:48	1
Bromomethane	ND		14		ug/m3			03/13/14 05:48	1
Carbon tetrachloride	ND		23		ug/m3			03/13/14 05:48	1
Chlorobenzene	ND		17		ug/m3			03/13/14 05:48	1
Chloroethane	ND		9.6		ug/m3			03/13/14 05:48	1
Chloroform	ND		18		ug/m3			03/13/14 05:48	1
Chloromethane	ND		19		ug/m3			03/13/14 05:48	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV7-3
Date Collected: 03/06/14 11:25
Date Received: 03/06/14 13:45
Sample Container: Summa Canister 1L

Lab Sample ID: 140-1006-10
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		14		ug/m3			03/13/14 05:48	1
cis-1,3-Dichloropropene	ND		17		ug/m3			03/13/14 05:48	1
1,2-Dibromoethane (EDB)	ND		28		ug/m3			03/13/14 05:48	1
1,2-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
1,3-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
1,4-Dichlorobenzene	ND		22		ug/m3			03/13/14 05:48	1
Dichlorodifluoromethane	ND		18		ug/m3			03/13/14 05:48	1
1,1-Dichloroethane	ND		15		ug/m3			03/13/14 05:48	1
1,2-Dichloroethane	ND		15		ug/m3			03/13/14 05:48	1
1,1-Dichloroethene	ND		14		ug/m3			03/13/14 05:48	1
1,2-Dichloropropane	ND		17		ug/m3			03/13/14 05:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		25		ug/m3			03/13/14 05:48	1
Ethylbenzene	ND		16		ug/m3			03/13/14 05:48	1
Hexachlorobutadiene	ND		190		ug/m3			03/13/14 05:48	1
Methylene Chloride	ND		32		ug/m3			03/13/14 05:48	1
m-Xylene & p-Xylene	**23**		16		ug/m3			03/13/14 05:48	1
o-Xylene	ND		16		ug/m3			03/13/14 05:48	1
Styrene	ND		15		ug/m3			03/13/14 05:48	1
1,1,2,2-Tetrachloroethane	ND		25		ug/m3			03/13/14 05:48	1
Tetrachloroethene	ND		25		ug/m3			03/13/14 05:48	1
Toluene	**14**		14		ug/m3			03/13/14 05:48	1
trans-1,3-Dichloropropene	ND		17		ug/m3			03/13/14 05:48	1
1,2,4-Trichlorobenzene	ND		130		ug/m3			03/13/14 05:48	1
1,1,1-Trichloroethane	ND		20		ug/m3			03/13/14 05:48	1
1,1,2-Trichloroethane	ND		20		ug/m3			03/13/14 05:48	1
Trichloroethene	ND		20		ug/m3			03/13/14 05:48	1
Trichlorofluoromethane	ND		20		ug/m3			03/13/14 05:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28		ug/m3			03/13/14 05:48	1
1,2,4-Trimethylbenzene	**22**		18		ug/m3			03/13/14 05:48	1
1,3,5-Trimethylbenzene	ND		18		ug/m3			03/13/14 05:48	1
Vinyl chloride	ND		9.3		ug/m3			03/13/14 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/13/14 05:48*	*1*

Surrogate Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB								
Lab Sample ID	Client Sample ID	(60-140)								
140-1006-1	SMSSV8-15	98								
140-1006-2	SMSSV1-5	100								
140-1006-3	SMSSV2-10	97								
140-1006-4	SMSSV92-10	98								
140-1006-5	SMSSV3-10	97								
140-1006-6	SMSSV5-7	96								
140-1006-7	SMSSV9-10	92								
140-1006-8	SMSSV4-15	99								
140-1006-9	SMSSV6-5	94								
140-1006-10	SMSSV7-3	94								
LCS 140-950/1002	Lab Control Sample	99								
MB 140-950/4	Method Blank	96								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-950/4
Matrix: Air
Analysis Batch: 950

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Benzyl chloride	ND		0.40		ppb v/v			03/12/14 12:43	1
Bromomethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Carbon tetrachloride	ND		0.20		ppb v/v			03/12/14 12:43	1
Chlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloroform	ND		0.20		ppb v/v			03/12/14 12:43	1
Chloromethane	ND		0.50		ppb v/v			03/12/14 12:43	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
cis-1,3-Dichloropropene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dibromoethane (EDB)	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,3-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,4-Dichlorobenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Dichlorodifluoromethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1-Dichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1-Dichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloropropane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Ethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Hexachlorobutadiene	ND		1.0		ppb v/v			03/12/14 12:43	1
Methylene Chloride	ND		0.50		ppb v/v			03/12/14 12:43	1
m-Xylene & p-Xylene	ND		0.20		ppb v/v			03/12/14 12:43	1
o-Xylene	ND		0.20		ppb v/v			03/12/14 12:43	1
Styrene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Tetrachloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
Toluene	ND		0.20		ppb v/v			03/12/14 12:43	1
trans-1,3-Dichloropropene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2,4-Trichlorobenzene	ND		1.0		ppb v/v			03/12/14 12:43	1
1,1,1-Trichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2-Trichloroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
Trichloroethene	ND		0.20		ppb v/v			03/12/14 12:43	1
Trichlorofluoromethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.20		ppb v/v			03/12/14 12:43	1
1,2,4-Trimethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
1,3,5-Trimethylbenzene	ND		0.20		ppb v/v			03/12/14 12:43	1
Vinyl chloride	ND		0.20		ppb v/v			03/12/14 12:43	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.64		ug/m3			03/12/14 12:43	1
Benzyl chloride	ND		2.1		ug/m3			03/12/14 12:43	1
Bromomethane	ND		0.78		ug/m3			03/12/14 12:43	1
Carbon tetrachloride	ND		1.3		ug/m3			03/12/14 12:43	1
Chlorobenzene	ND		0.92		ug/m3			03/12/14 12:43	1
Chloroethane	ND		0.53		ug/m3			03/12/14 12:43	1
Chloroform	ND		0.98		ug/m3			03/12/14 12:43	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-950/4
Matrix: Air
Analysis Batch: 950

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/m3			03/12/14 12:43	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			03/12/14 12:43	1
cis-1,3-Dichloropropene	ND		0.91		ug/m3			03/12/14 12:43	1
1,2-Dibromoethane (EDB)	ND		1.5		ug/m3			03/12/14 12:43	1
1,2-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
1,3-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
1,4-Dichlorobenzene	ND		1.2		ug/m3			03/12/14 12:43	1
Dichlorodifluoromethane	ND		0.99		ug/m3			03/12/14 12:43	1
1,1-Dichloroethane	ND		0.81		ug/m3			03/12/14 12:43	1
1,2-Dichloroethane	ND		0.81		ug/m3			03/12/14 12:43	1
1,1-Dichloroethene	ND		0.79		ug/m3			03/12/14 12:43	1
1,2-Dichloropropane	ND		0.92		ug/m3			03/12/14 12:43	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.4		ug/m3			03/12/14 12:43	1
Ethylbenzene	ND		0.87		ug/m3			03/12/14 12:43	1
Hexachlorobutadiene	ND		11		ug/m3			03/12/14 12:43	1
Methylene Chloride	ND		1.7		ug/m3			03/12/14 12:43	1
m-Xylene & p-Xylene	ND		0.87		ug/m3			03/12/14 12:43	1
o-Xylene	ND		0.87		ug/m3			03/12/14 12:43	1
Styrene	ND		0.85		ug/m3			03/12/14 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/m3			03/12/14 12:43	1
Tetrachloroethene	ND		1.4		ug/m3			03/12/14 12:43	1
Toluene	ND		0.75		ug/m3			03/12/14 12:43	1
trans-1,3-Dichloropropene	ND		0.91		ug/m3			03/12/14 12:43	1
1,2,4-Trichlorobenzene	ND		7.4		ug/m3			03/12/14 12:43	1
1,1,1-Trichloroethane	ND		1.1		ug/m3			03/12/14 12:43	1
1,1,2-Trichloroethane	ND		1.1		ug/m3			03/12/14 12:43	1
Trichloroethene	ND		1.1		ug/m3			03/12/14 12:43	1
Trichlorofluoromethane	ND		1.1		ug/m3			03/12/14 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ug/m3			03/12/14 12:43	1
1,2,4-Trimethylbenzene	ND		0.98		ug/m3			03/12/14 12:43	1
1,3,5-Trimethylbenzene	ND		0.98		ug/m3			03/12/14 12:43	1
Vinyl chloride	ND		0.51		ug/m3			03/12/14 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/12/14 12:43*	*1*

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.00	2.21		ppb v/v		110	70 - 130
Benzyl chloride	2.00	2.50		ppb v/v		125	70 - 130
Bromomethane	2.00	1.92		ppb v/v		96	70 - 130
Carbon tetrachloride	2.00	2.29		ppb v/v		115	70 - 130
Chlorobenzene	2.00	2.19		ppb v/v		110	70 - 130
Chloroethane	2.00	1.96		ppb v/v		98	70 - 130
Chloroform	2.00	2.07		ppb v/v		103	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	2.00	1.92		ppb v/v		96	60 - 140
cis-1,2-Dichloroethene	2.00	2.11		ppb v/v		106	70 - 130
cis-1,3-Dichloropropene	2.00	2.19		ppb v/v		109	70 - 130
1,2-Dibromoethane (EDB)	2.00	2.35		ppb v/v		117	70 - 130
1,2-Dichlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
1,3-Dichlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
1,4-Dichlorobenzene	2.00	2.21		ppb v/v		110	70 - 130
Dichlorodifluoromethane	2.00	1.96		ppb v/v		98	60 - 140
1,1-Dichloroethane	2.00	2.08		ppb v/v		104	70 - 130
1,2-Dichloroethane	2.00	2.25		ppb v/v		113	70 - 130
1,1-Dichloroethene	2.00	1.97		ppb v/v		99	70 - 130
1,2-Dichloropropane	2.00	2.20		ppb v/v		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.02		ppb v/v		101	60 - 140
Ethylbenzene	2.00	2.44		ppb v/v		122	70 - 130
Hexachlorobutadiene	2.00	1.86		ppb v/v		93	60 - 140
Methylene Chloride	2.00	1.95		ppb v/v		98	70 - 130
m-Xylene & p-Xylene	4.00	4.77		ppb v/v		119	70 - 130
o-Xylene	2.00	2.43		ppb v/v		122	70 - 130
Styrene	2.00	2.50		ppb v/v		125	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.46		ppb v/v		123	70 - 130
Tetrachloroethene	2.00	2.23		ppb v/v		112	70 - 130
Toluene	2.00	2.40		ppb v/v		120	70 - 130
trans-1,3-Dichloropropene	2.00	2.46		ppb v/v		123	70 - 130
1,2,4-Trichlorobenzene	2.00	2.34		ppb v/v		117	60 - 140
1,1,1-Trichloroethane	2.00	2.07		ppb v/v		103	70 - 130
1,1,2-Trichloroethane	2.00	2.33		ppb v/v		116	70 - 130
Trichloroethene	2.00	2.26		ppb v/v		113	70 - 130
Trichlorofluoromethane	2.00	2.00		ppb v/v		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.00		ppb v/v		100	70 - 130
1,2,4-Trimethylbenzene	2.00	2.44		ppb v/v		122	70 - 130
1,3,5-Trimethylbenzene	2.00	2.39		ppb v/v		119	70 - 130
Vinyl chloride	2.00	1.98		ppb v/v		99	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	6.4	7.06		ug/m3		110	70 - 130
Benzyl chloride	10	12.9		ug/m3		125	70 - 130
Bromomethane	7.8	7.45		ug/m3		96	70 - 130
Carbon tetrachloride	13	14.4		ug/m3		115	70 - 130
Chlorobenzene	9.2	10.1		ug/m3		110	70 - 130
Chloroethane	5.3	5.17		ug/m3		98	70 - 130
Chloroform	9.8	10.1		ug/m3		103	70 - 130
Chloromethane	4.1	3.97		ug/m3		96	60 - 140
cis-1,2-Dichloroethene	7.9	8.38		ug/m3		106	70 - 130
cis-1,3-Dichloropropene	9.1	9.92		ug/m3		109	70 - 130
1,2-Dibromoethane (EDB)	15	18.0		ug/m3		117	70 - 130
1,2-Dichlorobenzene	12	13.3		ug/m3		110	70 - 130
1,3-Dichlorobenzene	12	13.2		ug/m3		110	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-950/1002
Matrix: Air
Analysis Batch: 950

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	12	13.3		ug/m3		110	70 - 130
Dichlorodifluoromethane	9.9	9.68		ug/m3		98	60 - 140
1,1-Dichloroethane	8.1	8.40		ug/m3		104	70 - 130
1,2-Dichloroethane	8.1	9.12		ug/m3		113	70 - 130
1,1-Dichloroethene	7.9	7.82		ug/m3		99	70 - 130
1,2-Dichloropropane	9.2	10.2		ug/m3		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	14.2		ug/m3		101	60 - 140
Ethylbenzene	8.7	10.6		ug/m3		122	70 - 130
Hexachlorobutadiene	21	19.8		ug/m3		93	60 - 140
Methylene Chloride	6.9	6.79		ug/m3		98	70 - 130
m-Xylene & p-Xylene	17	20.7		ug/m3		119	70 - 130
o-Xylene	8.7	10.6		ug/m3		122	70 - 130
Styrene	8.5	10.6		ug/m3		125	70 - 130
1,1,2,2-Tetrachloroethane	14	16.9		ug/m3		123	70 - 130
Tetrachloroethene	14	15.2		ug/m3		112	70 - 130
Toluene	7.5	9.03		ug/m3		120	70 - 130
trans-1,3-Dichloropropene	9.1	11.2		ug/m3		123	70 - 130
1,2,4-Trichlorobenzene	15	17.4		ug/m3		117	60 - 140
1,1,1-Trichloroethane	11	11.3		ug/m3		103	70 - 130
1,1,2-Trichloroethane	11	12.7		ug/m3		116	70 - 130
Trichloroethene	11	12.1		ug/m3		113	70 - 130
Trichlorofluoromethane	11	11.3		ug/m3		100	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	15	15.3		ug/m3		100	70 - 130
1,2,4-Trimethylbenzene	9.8	12.0		ug/m3		122	70 - 130
1,3,5-Trimethylbenzene	9.8	11.7		ug/m3		119	70 - 130
Vinyl chloride	5.1	5.05		ug/m3		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Air - GC/MS VOA

Analysis Batch: 950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-1006-1	SMSSV8-15	Total/NA	Air	TO-15	
140-1006-2	SMSSV1-5	Total/NA	Air	TO-15	
140-1006-3	SMSSV2-10	Total/NA	Air	TO-15	
140-1006-4	SMSSV92-10	Total/NA	Air	TO-15	
140-1006-5	SMSSV3-10	Total/NA	Air	TO-15	
140-1006-6	SMSSV5-7	Total/NA	Air	TO-15	
140-1006-7	SMSSV9-10	Total/NA	Air	TO-15	
140-1006-8	SMSSV4-15	Total/NA	Air	TO-15	
140-1006-9	SMSSV6-5	Total/NA	Air	TO-15	
140-1006-10	SMSSV7-3	Total/NA	Air	TO-15	
LCS 140-950/1002	Lab Control Sample	Total/NA	Air	TO-15	
MB 140-950/4	Method Blank	Total/NA	Air	TO-15	

Client Sample ID: SMSSV8-15 — **Lab Sample ID: 140-1006-1**
Date Collected: 03/05/14 15:05 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.32	26.4 mL	500 mL	950	03/12/14 21:43	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV1-5 — **Lab Sample ID: 140-1006-2**
Date Collected: 03/05/14 15:50 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.47	29.4 mL	500 mL	950	03/12/14 22:37	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV2-10 — **Lab Sample ID: 140-1006-3**
Date Collected: 03/05/14 16:11 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.03	40.6 mL	500 mL	950	03/12/14 23:31	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV92-10 — **Lab Sample ID: 140-1006-4**
Date Collected: 03/05/14 16:13 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.22	44.4 mL	500 mL	950	03/13/14 00:25	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV3-10 — **Lab Sample ID: 140-1006-5**
Date Collected: 03/05/14 17:33 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		11.62	200 mL	500 mL	950	03/13/14 08:29	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV5-7 — **Lab Sample ID: 140-1006-6**
Date Collected: 03/05/14 17:07 — **Matrix: Air**
Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	950	03/13/14 02:12	AFB	TAL KNX
	Instrument ID: MJ									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Client Sample ID: SMSSV9-10

Lab Sample ID: 140-1006-7

Date Collected: 03/06/14 09:50

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	20 mL	500 mL	950	03/13/14 03:06	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV4-15

Lab Sample ID: 140-1006-8

Date Collected: 03/06/14 10:25

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.25	25 mL	500 mL	950	03/13/14 04:00	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV6-5

Lab Sample ID: 140-1006-9

Date Collected: 03/06/14 10:50

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	22 mL	500 mL	950	03/13/14 04:54	AFB	TAL KNX
	Instrument ID: MJ									

Client Sample ID: SMSSV7-3

Lab Sample ID: 140-1006-10

Date Collected: 03/06/14 11:25

Matrix: Air

Date Received: 03/06/14 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	11 mL	500 mL	950	03/13/14 05:48	AFB	TAL KNX
	Instrument ID: MJ									

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Certification Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Laboratory: TestAmerica Knoxville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		N/A	
Arkansas DEQ	State Program	6	88-0688	06-17-14
California	State Program	9	2423	06-30-14
Colorado	State Program	8	N/A	02-28-15
Connecticut	State Program	1	PH-0223	09-30-15
Florida	NELAP	4	E87177	06-30-14
Georgia	State Program	4	906	06-13-14
Hawaii	State Program	9	N/A	04-13-14
Iowa	State Program	7	375	08-01-14
Kansas	NELAP	7	E-10349	10-31-14
Kentucky (DW)	State Program	4	90101	12-31-14
L-A-B	DoD ELAP		L2311	02-13-16
Louisiana	NELAP	6	LA110001	12-31-14
Maryland	State Program	3	277	03-31-14
Michigan	State Program	5	9933	04-13-14
Nevada	State Program	9	TN00009	07-31-14
New Jersey	NELAP	2	TN001	06-30-14
New York	NELAP	2	10781	04-01-14 *
North Carolina DENR	State Program	4	64	12-31-14
North Carolina DHHS	State Program	4	21705	07-31-14
Ohio VAP	State Program	5	CL0059	03-26-15
Oklahoma	State Program	6	9415	08-31-14
Pennsylvania	NELAP	3	68-00576	12-31-14
South Carolina	State Program	4	84001	06-30-14
Tennessee	State Program	4	2014	04-13-14
Texas	NELAP	6	T104704380-TX	08-31-14
USDA	Federal		P330-13-00260	08-29-16
Utah	NELAP	8	QUAN3	07-31-14
Virginia	NELAP	3	460176	09-14-14
Virginia	State Program	3	165	06-30-14
Washington	State Program	10	C593	01-19-15
West Virginia DEP	State Program	3	345	04-30-14
West Virginia DHHR	State Program	3	9955C	12-31-14
Wisconsin	State Program	5	998044300	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 140-1006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-1006-1	SMSSV8-15	Air	03/05/14 15:05	03/06/14 13:45
140-1006-2	SMSSV1-5	Air	03/05/14 15:50	03/06/14 13:45
140-1006-3	SMSSV2-10	Air	03/05/14 16:11	03/06/14 13:45
140-1006-4	SMSSV92-10	Air	03/05/14 16:13	03/06/14 13:45
140-1006-5	SMSSV3-10	Air	03/05/14 17:33	03/06/14 13:45
140-1006-6	SMSSV5-7	Air	03/05/14 17:07	03/06/14 13:45
140-1006-7	SMSSV9-10	Air	03/06/14 09:50	03/06/14 13:45
140-1006-8	SMSSV4-15	Air	03/06/14 10:25	03/06/14 13:45
140-1006-9	SMSSV6-5	Air	03/06/14 10:50	03/06/14 13:45
140-1006-10	SMSSV7-3	Air	03/06/14 11:25	03/06/14 13:45

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** JANICE AUSTIN	**Sampled By:** ANDREW GRIMMKE
Company: J.M. WALLER ASSOC. INC	Phone: 404-443-2777	1 of 2 COCs
Address: 100 HARTSFIELD CENTER PKWY	Site Contact:	
City/State/Zip ATLANTA, GA 30354	TAL Contact:	
Phone: 404-443-2777		
FAX: 404-443-2770		
Project Name: SMOKEY MOUNTAIN SMELTER	**Analysis Turnaround Time**	
Site/location: 1508 MARYVILLE PIKE KNOXVILLE	Standard (Specify)	
PO #	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SMSSV8-15	3/5/14	1505	1505			NA	09887	X									X		
SMSSV1-5	3/5/14	1550	1550			NA	10517	X									X		
SMSSV2-10	3/5/14	1611	1611			NA	9950	X									X		
SMSSV12-10	3/5/14	1613	1613			NA	9591	X									X		
SMSSV3-10	3/5/14	1733	1733			NA	10741	X									X		
SMSSV5-7	3/5/14	1707	1707			NA	10961	X									X		

Sampled by : ANDREW GRIMMKE

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
BKD 3-6-14

12 CANS / 0 FLOWS

Special Instructions/QC Requirements & Comments:

140-1006 Chain of Custody

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/6/14 1345	Received by: 3-6-14 13:45
Relinquished by:	Date/Time:	Received by:

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: JANICE AUSTIN	Sampled By: ANDREW GRIMAKE	2 of 2 COCs
Company: J.M WALLER ASSOC. INC	Phone: 404-443-2777		
Address: 100 HARTSFIELD CENTER PKWY #610	Site Contact:		
City/State/Zip ATLANTA, GA 30354	TAL Contact:		
Phone: 404-443-2777			
FAX: 404-443-2770			
Project Name: SMOKEY MOUNTAIN SMELTER	Analysis Turnaround Time		
Site/location: 1508 MARYVILLE PIKE KNOXVILLE	Standard (Specify)		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SMSSV9-10	3/6/14	0950	0950			NA	10499	X									X		
SMSSV4-15	3/6/14	1025	1025			NA	10924	X									X		
SMSSV6-5	3/6/14	1050	1050			NA	10336	X									X		
SMSSV7-3	3/6/14	1125	1125			NA	09641	X									X		

Sampled by : ANDREW GRIMAKE

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start			
Stop			

	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/6/14 1345	Received by: 3-6-14 13:45
Relinquished by:	Date/Time:	Received by: BMD 3-6-14

3/20/2014

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 140-1006-1

Login Number: 1006

List Number: 1

Creator: Dameron, Bryan K

List Source: TestAmerica Knoxville

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	N/A	CHECKED IN LAB
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-102616-1

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
7/8/2014 5:09 PM

Sheila B Hoffman, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com
07/08/2014

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: 680-102616-1

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 06/24/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.8º C, 1.2º C, 3.2º C and 3.4º C.

HEXAVALENT CHROMIUM

Samples SMSMW12A (680-102616-12), SMSMW12B (680-102616-13) and SMSMW11B (680-102616-15) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 06/24/2014.

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

ALKALINITY

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 06/30/2014, 07/02/2014 and 07/03/2014.

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

TOTAL DISSOLVED SOLIDS

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 06/25/2014 and 06/26/2014.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 06/27/2014, 06/28/2014, 06/30/2014 and 07/01/2014.

Samples SMSSW13 (680-102616-1)[4X], SMSSW09 (680-102616-2)[10X], SMSSW14 (680-102616-3)[4X], SMSSW09 Spring (680-102616-4)[10X], SMSSW08 Spring (680-102616-7)[10X], SMSSW08 (680-102616-8)[10X], SMSSW04 (680-102616-9)[100X], SMSSW04 (680-102616-9)[4X], SMSSW94 (680-102616-10)[10X], SMSSW94 (680-102616-10)[100X], SMSMW07A (680-102616-11)[50X], SMSMW07A (680-102616-11)[500X], SMSMW12A (680-102616-12)[10X], SMSMW12B (680-102616-13)[20X], SMSMW07B (680-102616-14)[100X], SMSMW07B (680-102616-14)[2000X], SMSMW11B (680-102616-15)[100X] and SMSMW11B (680-102616-15)[25X] 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)

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 06/24/2014 and 06/25/2014.

The following samples were received with insufficient time remaining to perform the analysis within holding time: SMSSW01 (680-102616-5), SMSSW09 (680-102616-2), SMSSW13 (680-102616-1).

Reanalysis of the following sample was performed outside of the analytical holding time due to sample needed to rerun for Nitrate: SMSSW09 Spring (680-102616-4).

Samples SMSSW09 (680-102616-2)[2X], SMSSW09 Spring (680-102616-4)[2X], SMSSW08 Spring (680-102616-7)[2X], SMSSW08 (680-102616-8)[2X], SMSSW04 (680-102616-9)[2X], SMSSW04 (680-102616-9)[4X], SMSSW94 (680-102616-10)[2X], SMSSW94 (680-102616-10)[4X], SMSMW07A (680-102616-11)[5X], SMSMW12A (680-102616-12)[10X], SMSMW12B (680-102616-13)[10X], SMSMW07B (680-102616-14)[10X] and SMSMW11B (680-102616-15)[10X] 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

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 06/27/2014 and 06/30/2014.

Ammonia failed the recovery criteria high for the MS of sample SMSSW08MS (680-102616-8) in batch 680-336650.

Ammonia failed the recovery criteria high for the MSD of sample SMSSW08MSD (680-102616-8) in batch 680-336650.

Refer to the QC report for details.

Samples SMSSW04 (680-102616-9)[2X], SMSSW94 (680-102616-10)[2X], SMSMW07A (680-102616-11)[200X], SMSMW07B (680-102616-14)[500X] and SMSMW11B (680-102616-15)[100X] 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

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 06/24/2014.

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

SULFIDE

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 06/26/2014.

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

TOTAL ORGANIC CARBON

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 07/04/2014.

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

General Chemistry

Client Sample ID: **SMSSW13**

Lab Sample ID: 680-102616-1 Date Sampled: 06/22/2014 1415
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.075		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1158						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0304						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	220		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1542						
Total Dissolved Solids	580		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW09**

Lab Sample ID: 680-102616-2 Date Sampled: 06/22/2014 1455
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.079		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1053						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	0.60	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0324						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	260		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1615						
Total Dissolved Solids	1000		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW14**

Lab Sample ID: 680-102616-3 Date Sampled: 06/22/2014 1600

Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.059		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1053						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0343						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	200		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1527						
Total Dissolved Solids	550		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW09 Spring**

Lab Sample ID: 680-102616-4 Date Sampled: 06/22/2014 1645
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.077		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1158						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0401						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	220		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1534						
Total Dissolved Solids	1200		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW01**

Lab Sample ID: 680-102616-5 Date Sampled: 06/22/2014 1513

Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.071		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1158						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	0.59	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0415						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	160		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1549						
Total Dissolved Solids	210		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW11**

Lab Sample ID: 680-102616-6 Date Sampled: 06/22/2014 1545

Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.10		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1158						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	1.2		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0434						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	200		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337023	Analysis Date: 06/30/2014 1520						
Total Dissolved Solids	330		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336162	Analysis Date: 06/25/2014 1152						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW08 Spring**

Lab Sample ID: 680-102616-7 Date Sampled: 06/23/2014 0907

Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.090		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336649	Analysis Date: 06/27/2014 1207						
ortho-Phosphate	0.016	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1345						
Total Organic Carbon	0.60	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0450						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	220		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337521	Analysis Date: 07/02/2014 1627						
Total Dissolved Solids	1100		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW08**

Lab Sample ID: 680-102616-8 Date Sampled: 06/23/2014 0922

Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.17		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1158						
ortho-Phosphate	0.016	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	0.75	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0538						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	230		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337521	Analysis Date: 07/02/2014 1621						
Total Dissolved Solids	1000		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW04**

Lab Sample ID: 680-102616-9 Date Sampled: 06/23/2014 1000
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	3.4		mg/L	0.052	0.10	2.0	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1217						
ortho-Phosphate	0.022	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	3.4		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0552						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	340		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2112						
Total Dissolved Solids	5500		mg/L	20	20	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336411	Analysis Date: 06/26/2014 1216						

General Chemistry

Client Sample ID: **SMSSW94**

Lab Sample ID: 680-102616-10 Date Sampled: 06/23/2014 1010
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	3.7		mg/L	0.052	0.10	2.0	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1227						
ortho-Phosphate	0.023	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1415						
Total Organic Carbon	2.9		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0615						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	350		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2135						
Total Dissolved Solids	5600		mg/L	20	20	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

General Chemistry

Client Sample ID: **SMSMW07A**

Lab Sample ID: 680-102616-11 Date Sampled: 06/23/2014 1030
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	290		mg/L	5.2	10	200	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1327						
ortho-Phosphate	0.019	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	26		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0629						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1200		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2126						
Total Dissolved Solids	31000		mg/L	100	100	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

General Chemistry

Client Sample ID: **SMSMW12A**

Lab Sample ID: 680-102616-12 Date Sampled: 06/23/2014 1330
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.66		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1208						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	1.7		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0645						
Chromium, hexavalent	<0.0030		mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-336063	Analysis Date: 06/24/2014 1220						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	390		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2143						
Total Dissolved Solids	1300		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

General Chemistry

Client Sample ID: **SMSMW12B**

Lab Sample ID: 680-102616-13 Date Sampled: 06/23/2014 1340
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.28		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1208						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	1.4		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0706						
Chromium, hexavalent	<0.0030		mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-336063	Analysis Date: 06/24/2014 1220						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	420		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2104						
Total Dissolved Solids	1400		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

General Chemistry

Client Sample ID: **SMSMW07B**

Lab Sample ID: 680-102616-14 Date Sampled: 06/23/2014 1245
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	500		mg/L	13	25	500	350.1
Analysis Batch: 680-336650	Analysis Date: 06/27/2014 1327						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	30		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0720						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1100		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2157						
Total Dissolved Solids	54000		mg/L	100	100	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

General Chemistry

Client Sample ID: **SMSMW11B**

Lab Sample ID: 680-102616-15 Date Sampled: 06/23/2014 1505
Client Matrix: Water Date Received: 06/24/2014 0937

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	150		mg/L	2.6	5.0	100	350.1
Analysis Batch: 680-337084	Analysis Date: 06/30/2014 1858						
ortho-Phosphate	0.097		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336062	Analysis Date: 06/24/2014 1348						
Total Organic Carbon	22		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-337842	Analysis Date: 07/04/2014 0735						
Chromium, hexavalent	0.019		mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-336063	Analysis Date: 06/24/2014 1220						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1300		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337853	Analysis Date: 07/03/2014 2055						
Total Dissolved Solids	5900		mg/L	50	50	1.0	2540C-2011
Analysis Batch: 680-336387	Analysis Date: 06/26/2014 1119						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-336433	Analysis Date: 06/26/2014 1427						

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CERTIFICATE OF ANALYSIS

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

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

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

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

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

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

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

ACLASS CALIBRATION
Certification Number: AC-1455

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Accu•prep 7000™ Extraction Manifold
PEAK PERFORMANCE

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

SECTION 1. GENERAL INFORMATION

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

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

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

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

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

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

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

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

SECTION 5. REACTIVITY DATA

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

SECTION 6. HEALTH HAZARD DATA

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

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CERTIFICATE OF ANALYSIS

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

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

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

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

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

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

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

ACLASS ACCREDITED CALIBRATION ANAB

Certification Number: AC-1455

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

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

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Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

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

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

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

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

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

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

SECTION 5. REACTIVITY DATA

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

SECTION 6. HEALTH HAZARD DATA

Route of Entry-Inhalation: YES
Route of Entry-Skin: YES
Route of Entry-Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
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SECTION 7. PRECAUTIONS FOR SAFE HANDLING

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

SECTION 8. CONTROL MEASURES

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

SECTION 9. TRANSPORTATION DATA

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

SECTION 10. DISPOSAL DATA

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

SECTION 11. LABEL DATA

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

SECTION 12. ADDITIONAL INFORMATION

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

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f: +31 20 420 28 36

CERTIFICATE OF ANALYSIS

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

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 13J061
Expiration Date: 4/8/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 113C150
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18-megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
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ISO 9001:2008 REGISTERED 17025 ACCREDITED

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

CPI International — CHROMIUM +6 STANDARD
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Unusual Fire and Explosion Hazards: NONE.

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Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
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Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
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Respiratory Protection: WEAR A NIOSH/MSHA APPROVED RESPIRATOR WHEN VENTILATION IS INADEQUATE.
Ventilation: LOCAL EXHAUST: REQUIRED, VENT HOOD
Protective Gloves: IMPERVIOUS GLOVES
Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Equipment: LAB COAT OR APRON
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING AND SHOES BEFORE REUSE.

SECTION 9. TRANSPORTATION DATA

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

SECTION 10. DISPOSAL DATA

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

SECTION 11. LABEL DATA

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

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Certificate of Analysis

Alfa Aesar
A Johnson Matthey Company

Product No.: 36622

Product: Sodium sulfide nonahydrate, ACS, 98.0% min

Lot No.: B07Y012

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

This document has been electronically generated and does not require a signature.

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Fax: +82-2-3140-6002
Email: saleskorea@alfa-asia.com

300_ORGFM_28D

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141409-21.d

Lab ID: LCS 680-336664/21 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	2.07	103	90-110	
Chloride	10.0	9.82	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627142205-54.d

Lab ID: LCS 680-336665/54 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	2.06	103	90-110	
Chloride	10.0	9.83	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0630141107-6.d

Lab ID: LCS 680-336877/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.4	104	90-110	
Chloride	10.0	9.85	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0701141027-6.d

Lab ID: LCS 680-337073/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Chloride	10.0	9.85	99	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141424-22.d

Lab ID: LCSD 680-336664/22 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	2.07	104	0	30	90-110	
Chloride	10.0	9.81	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627142219-55.d

Lab ID: LCSD 680-336665/55 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	
Fluoride	2.00	2.05	102	0	30	90-110	
Chloride	10.0	9.82	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0630141122-7.d

Lab ID: LCSD 680-336877/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.3	103	0	30	90-110	
Chloride	10.0	9.85	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0701141041-7.d

Lab ID: LCSD 680-337073/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloride	10.0	9.86	99	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141507-25.d

Lab ID: 680-102616-1 MS Client ID: SMSSW13 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	20.0	18	36.9	97	80-120	
Fluoride	4.00	0.32	4.34	100	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0630141234-12.d

Lab ID: 680-102616-3 MS Client ID: SMSSW14 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	40.0	15	54.2	98	80-120	
Chloride	40.0	130	170	93	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141858-41.d

Lab ID: 680-102616-8 MS Client ID: SMSSW08 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	40.0	32	70.9	97	80-120	
Fluoride	8.00	0.59	8.64	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627142303-58.d

Lab ID: 680-102616-12 MS Client ID: SMSMW12A MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	100	210	304	95	80-120	
Fluoride	20.0	<0.25	19.9	99	80-120	
Chloride	100	260	350	94	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141522-26.d

Lab ID: 680-102616-1 MSD Client ID: SMSSW13 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	20.0	36.7	95	1	30	80-120	
Fluoride	4.00	4.28	99	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0630141248-13.d

Lab ID: 680-102616-3 MSD Client ID: SMSSW14 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	40.0	54.2	99	0	30	80-120	
Chloride	40.0	170	93	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627141912-42.d

Lab ID: 680-102616-8 MSD Client ID: SMSSW08 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	40.0	70.4	95	1	30	80-120	
Fluoride	8.00	8.56	100	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0627142317-59.d

Lab ID: 680-102616-12 MSD Client ID: SMSMW12A MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	100	305	96	0	30	80-120	
Fluoride	20.0	20.0	100	1	30	80-120	
Chloride	100	351	95	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0627141355-20.d Lab Sample ID: MB 680-336664/20

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 06/27/2014 13:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336664/21	0627141409-21.d	06/27/2014 14:09
	LCSD 680-336664/22	0627141424-22.d	06/27/2014 14:24
SMSSW13	680-102616-1	0627141438-23.d	06/27/2014 14:38
SMSSW13 MS	680-102616-1 MS	0627141507-25.d	06/27/2014 15:07
SMSSW13 MSD	680-102616-1 MSD	0627141522-26.d	06/27/2014 15:22
SMSSW09	680-102616-2	0627141536-27.d	06/27/2014 15:36
SMSSW14	680-102616-3	0627141605-29.d	06/27/2014 16:05
SMSSW09 Spring	680-102616-4	0627141634-31.d	06/27/2014 16:34
	CCB 680-336664/34	0627141717-34.d	06/27/2014 17:17
SMSSW01	680-102616-5	0627141731-35.d	06/27/2014 17:31
SMSSW11	680-102616-6	0627141746-36.d	06/27/2014 17:46
SMSSW08 Spring	680-102616-7	0627141800-37.d	06/27/2014 18:00
SMSSW08 Spring	680-102616-7	0627141814-38.d	06/27/2014 18:14
SMSSW08	680-102616-8	0627141829-39.d	06/27/2014 18:29
SMSSW08 MS	680-102616-8 MS	0627141858-41.d	06/27/2014 18:58
SMSSW08 MSD	680-102616-8 MSD	0627141912-42.d	06/27/2014 19:12
SMSSW04	680-102616-9	0627141926-43.d	06/27/2014 19:26
SMSSW04	680-102616-9	0627141941-44.d	06/27/2014 19:41
	CCB 680-336664/46	0627142010-46.d	06/27/2014 20:10
SMSSW94	680-102616-10	0627142024-47.d	06/27/2014 20:24
SMSMW07A	680-102616-11	0627142038-48.d	06/27/2014 20:38
SMSMW07A	680-102616-11	0627142107-50.d	06/27/2014 21:07

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0627141355-20.d Lab Sample ID: MB 680-336664/20

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 06/27/2014 13:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	CCB 680-336664/53	0627142150-53.d	06/27/2014 21:50

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0627142150-53.d Lab Sample ID: MB 680-336665/53

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 06/27/2014 21:50

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336665/54	0627142205-54.d	06/27/2014 22:05
	LCSD 680-336665/55	0627142219-55.d	06/27/2014 22:19
SMSMW12A	680-102616-12	0627142234-56.d	06/27/2014 22:34
SMSMW12A	680-102616-12	0627142248-57.d	06/27/2014 22:48
SMSMW12A MS	680-102616-12 MS	0627142303-58.d	06/27/2014 23:03
SMSMW12A MSD	680-102616-12 MSD	0627142317-59.d	06/27/2014 23:17
SMSMW12B	680-102616-13	0627142331-60.d	06/27/2014 23:31
SMSMW12B	680-102616-13	0627142346-61.d	06/27/2014 23:46
SMSMW07B	680-102616-14	0628140000-62.d	06/28/2014 00:00
SMSMW07B	680-102616-14	0628140029-64.d	06/28/2014 00:29
	CCB 680-336665/67	0628140112-67.d	06/28/2014 01:12
SMSMW11B	680-102616-15	0628140127-68.d	06/28/2014 01:27
SMSMW11B	680-102616-15	0628140141-69.d	06/28/2014 01:41
	CCB 680-336665/71	0628140210-71.d	06/28/2014 02:10

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0630141053-5.d Lab Sample ID: MB 680-336877/5

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 06/30/2014 10:53

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336877/6	0630141107-6.d	06/30/2014 11:07
	LCSD 680-336877/7	0630141122-7.d	06/30/2014 11:22
SMSSW13	680-102616-1	0630141150-9.d	06/30/2014 11:50
SMSSW09	680-102616-2	0630141205-10.d	06/30/2014 12:05
SMSSW14	680-102616-3	0630141219-11.d	06/30/2014 12:19
SMSSW14 MS	680-102616-3 MS	0630141234-12.d	06/30/2014 12:34
SMSSW14 MSD	680-102616-3 MSD	0630141248-13.d	06/30/2014 12:48
SMSSW09 Spring	680-102616-4	0630141302-14.d	06/30/2014 13:02
SMSSW08	680-102616-8	0630141317-15.d	06/30/2014 13:17
SMSSW94	680-102616-10	0630141346-17.d	06/30/2014 13:46
	CCB 680-336877/20	0630141429-20.d	06/30/2014 14:29

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0701141012-5.d Lab Sample ID: MB 680-337073/5

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 07/01/2014 10:12

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-337073/6	0701141027-6.d	07/01/2014 10:27
	LCSD 680-337073/7	0701141041-7.d	07/01/2014 10:41
SMSSW04	680-102616-9	0701141222-14.d	07/01/2014 12:22
SMSSW94	680-102616-10	0701141236-15.d	07/01/2014 12:36
	CCB 680-337073/17	0701141305-17.d	07/01/2014 13:05
	CCB 680-337073/29	0701141558-29.d	07/01/2014 15:58
	CCB 680-337073/33	0701141656-33.d	07/01/2014 16:56

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW13 Lab Sample ID: 680-102616-1

Matrix: Water Lab File ID: 0627141438-23.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 14:38

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

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

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

Analysis Batch No.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	18		0.50	0.25
16984-48-8	Fluoride	0.32		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141438-23.d				
Lims ID:	680-102616-F-1	Lab Sample ID:	680-102616-1		
Client ID:	SMSSW13				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 14:38:00	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-1 1L062714 connie				
Misc. Info.:	11920 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 08:53:48	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	10547431	0.3229	
2 Chloride	4.508	4.542	-0.034	3258068800	158.0	E
3 Sulfate	6.225	6.233	-0.008	270279262	17.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

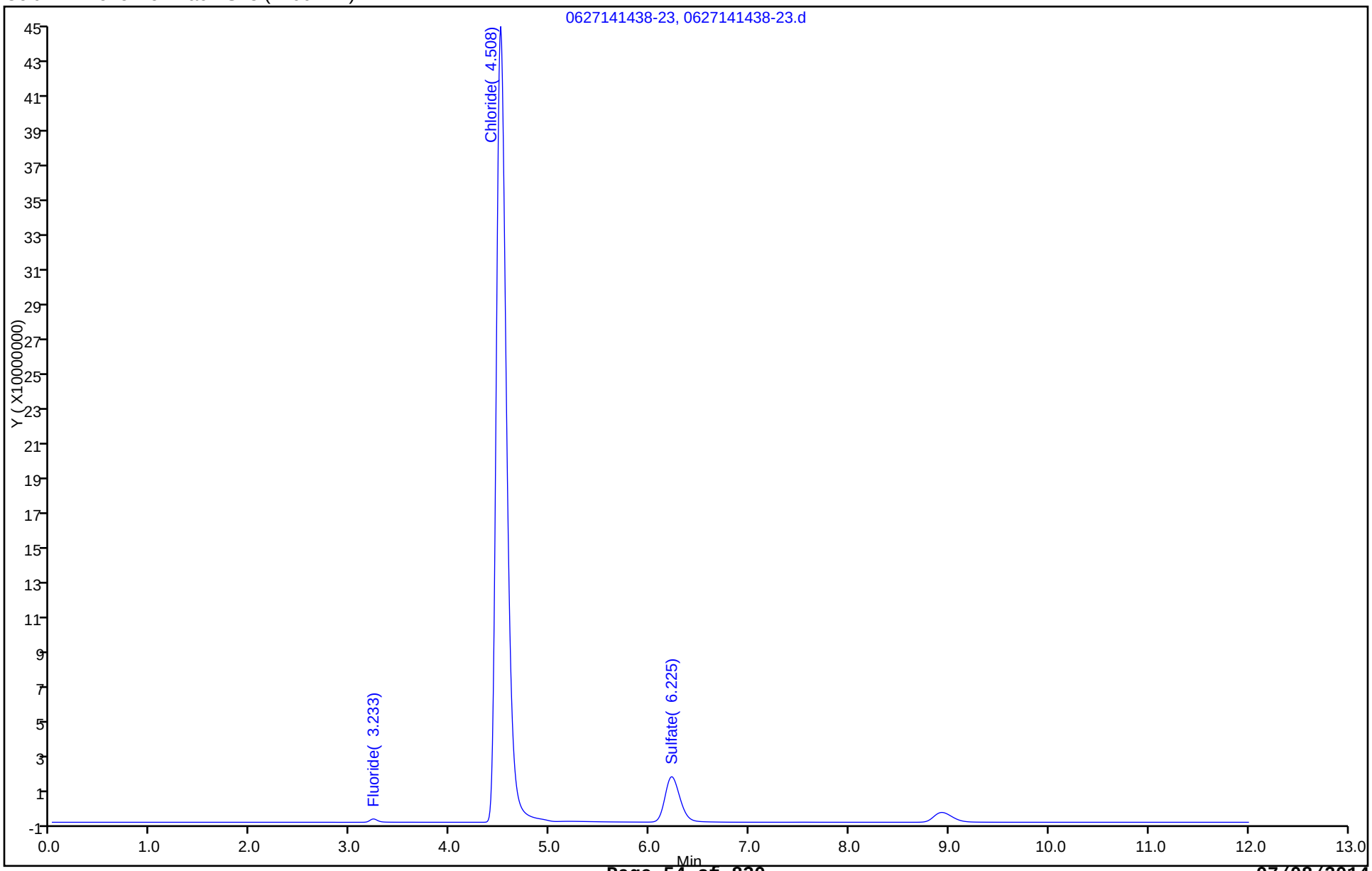
Report Date: 30-Jun-2014 10:10:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141438-23.d

Injection Date:	27-Jun-2014 14:38:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-1	Lab Sample ID:	680-102616-1	Worklist Smp#:	23
Client ID:	SMSSW13				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW13 Lab Sample ID: 680-102616-1

Matrix: Water Lab File ID: 0630141150-9.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 11:50

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	160		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141150-9.d				
Lims ID:	680-102616-F-1	Lab Sample ID:	680-102616-1		
Client ID:	SMSSW13				
Sample Type:	Client				
Inject. Date:	30-Jun-2014 11:50:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-102616-F-1 1L063014 connie				
Misc. Info.:	9 OF- CL				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	01-Jul-2014 10:31:57	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:	XAWRK012				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	2173623	0.0716	
2 Chloride	4.525	4.533	-0.008	813194538	39.5	
3 Sulfate	6.250	6.233	0.017	64886434	4.22	

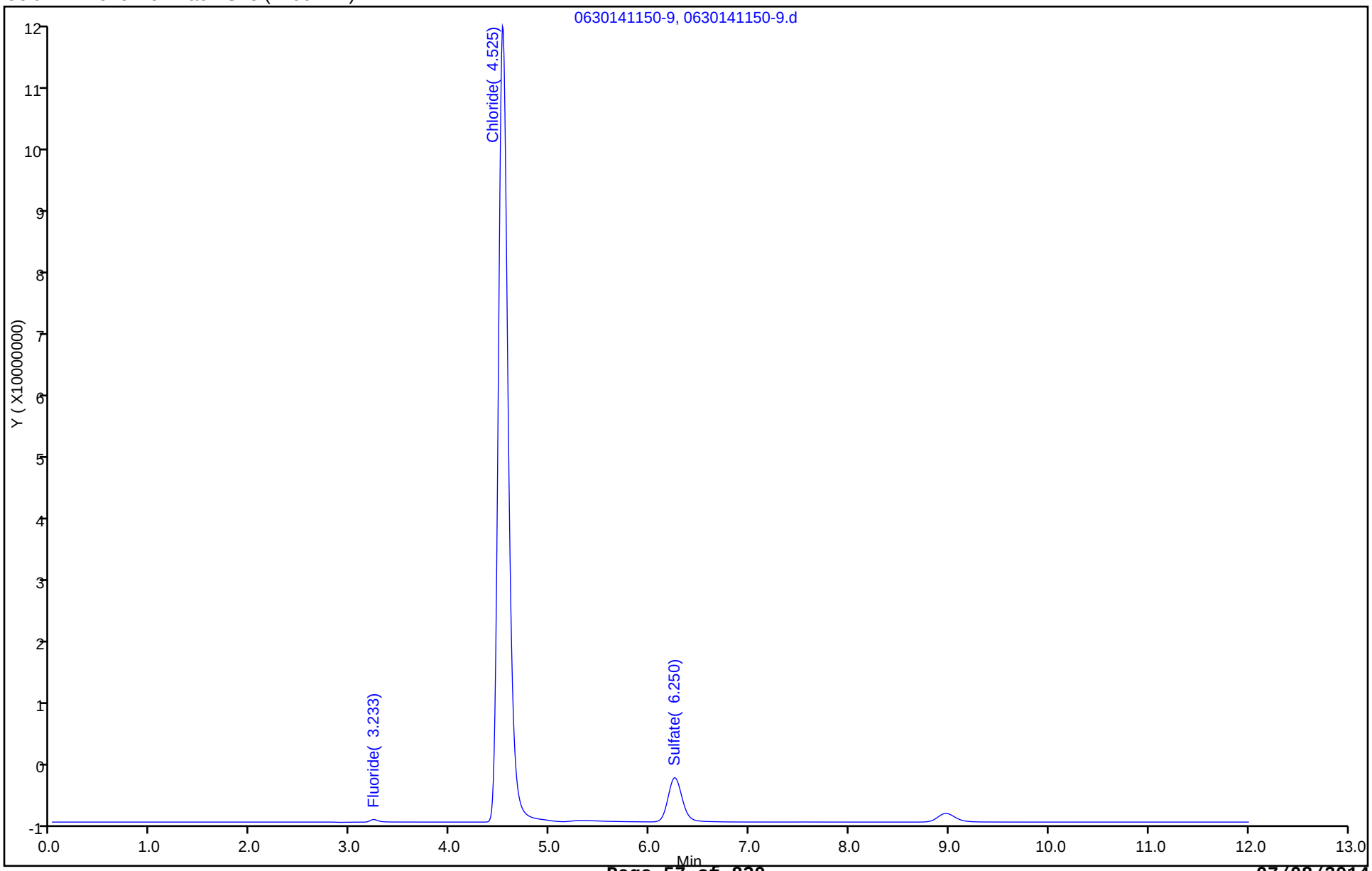
Report Date: 01-Jul-2014 10:32:00 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141150-9.d

Injection Date:	30-Jun-2014 11:50:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-1	Lab Sample ID:	680-102616-1	Worklist Smp#:	9
Client ID:	SMSSW13				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Matrix: Water Lab File ID: 0627141536-27.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 15:36

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	32		0.50	0.25
16984-48-8	Fluoride	0.68		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141536-27.d				
Lims ID:	680-102616-F-2	Lab Sample ID:	680-102616-2		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 15:36:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-2 1L062714 connie				
Misc. Info.:	16924 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 08:53:48	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	22359757	0.6774	
2 Chloride	4.492	4.542	-0.050	7298369999	353.9	E
3 Sulfate	6.200	6.233	-0.033	488388938	31.7	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

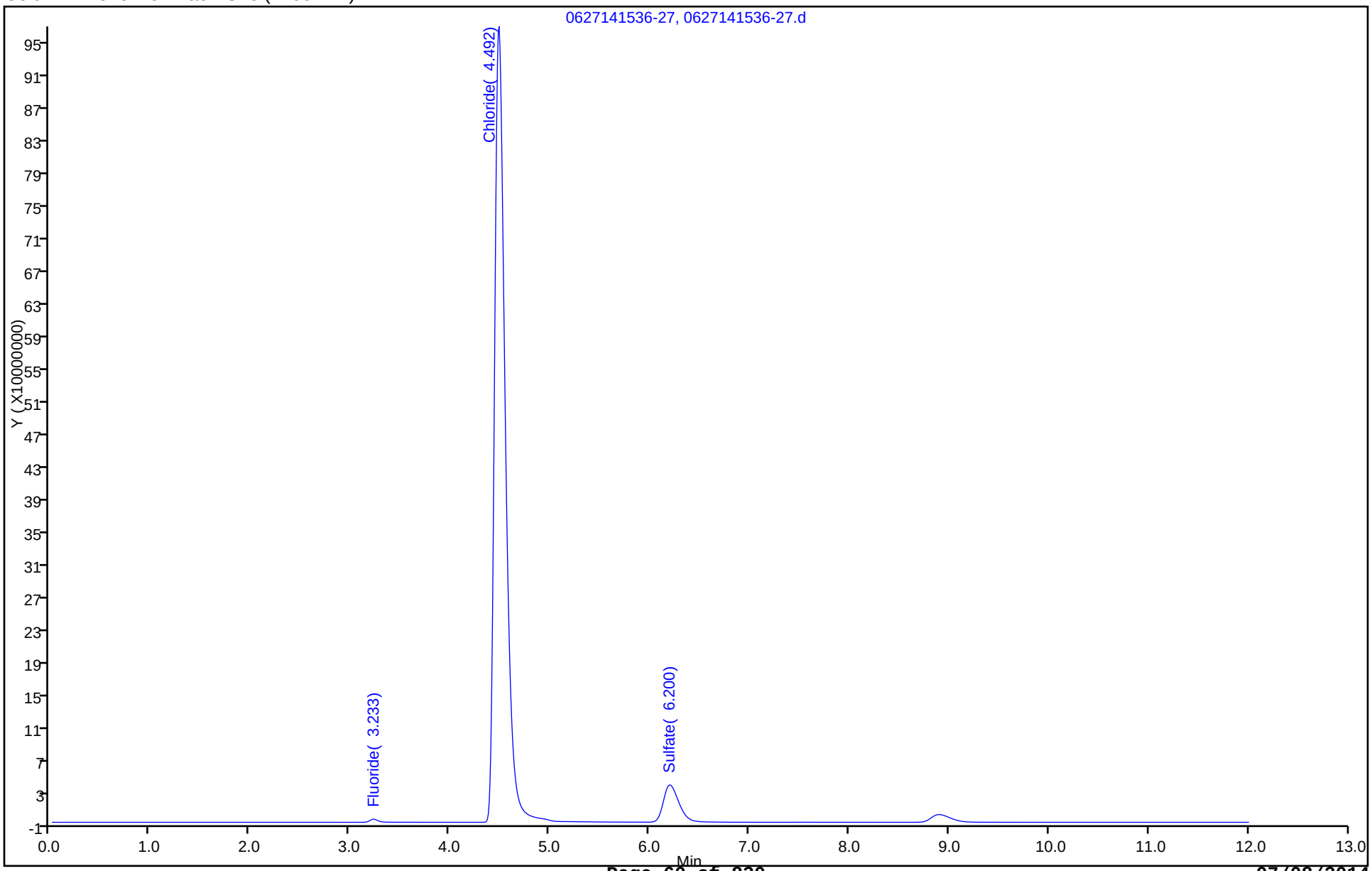
Report Date: 30-Jun-2014 10:10:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141536-27.d

Injection Date:	27-Jun-2014 15:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-2	Lab Sample ID:	680-102616-2	Worklist Smp#:	27
Client ID:	SMSSW09				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Matrix: Water Lab File ID: 0630141205-10.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 12:05

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	360		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141205-10.d				
Lims ID:	680-102616-F-2	Lab Sample ID:	680-102616-2		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	30-Jun-2014 12:05:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-102616-F-2 1L063014 connie				
Misc. Info.:	10 OF- CL				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	01-Jul-2014 10:31:57	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:	XAWRK012				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	1678826	0.0567	
2 Chloride	4.533	4.533	0.000	741660833	36.0	
3 Sulfate	6.250	6.233	0.017	46585816	3.03	

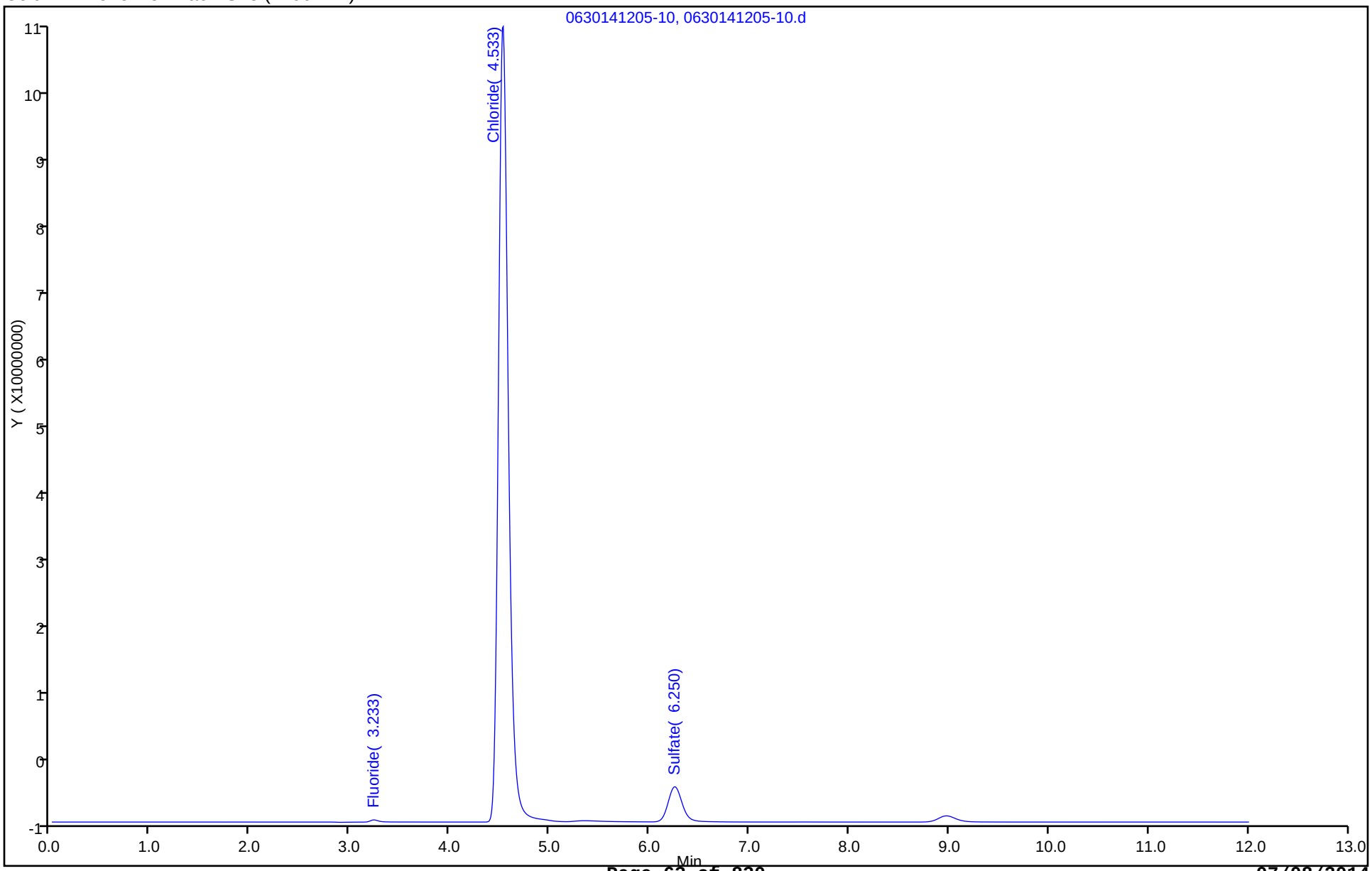
Report Date: 01-Jul-2014 10:32:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141205-10.d

Injection Date:	30-Jun-2014 12:05:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-2	Lab Sample ID:	680-102616-2	Worklist Smp#:	10
Client ID:	SMSSW09				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW14 Lab Sample ID: 680-102616-3

Matrix: Water Lab File ID: 0627141605-29.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 16:05

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	15		0.50	0.25
16984-48-8	Fluoride	0.24		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141605-29.d				
Lims ID:	680-102616-F-3	Lab Sample ID:	680-102616-3		
Client ID:	SMSSW14				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 16:05:00	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-3 1L062714 connie				
Misc. Info.:	17902 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 08:53:48	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	7857101	0.2422	
2 Chloride	4.508	4.542	-0.034	2727348152	132.3	E
3 Sulfate	6.225	6.233	-0.008	236452424	15.4	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

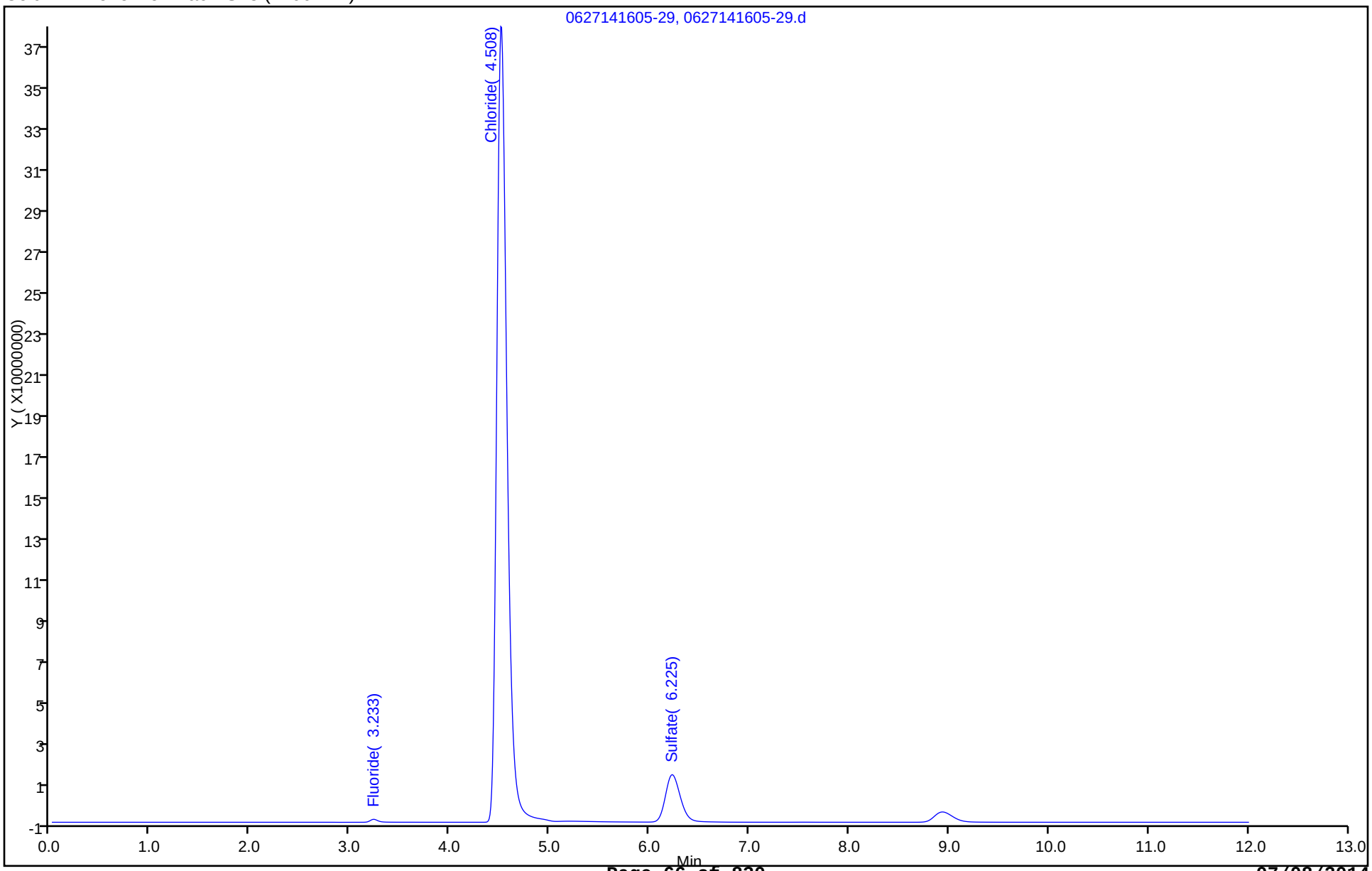
Report Date: 30-Jun-2014 10:10:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141605-29.d

Injection Date:	27-Jun-2014 16:05:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-3	Lab Sample ID:	680-102616-3	Worklist Smp#:	29
Client ID:	SMSSW14				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW14 Lab Sample ID: 680-102616-3

Matrix: Water Lab File ID: 0630141219-11.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 12:19

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	130		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141219-11.d
Lims ID: 680-102616-F-3 Lab Sample ID: 680-102616-3
Client ID: SMSSW14
Sample Type: Client
Inject. Date: 30-Jun-2014 12:19:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-F-3 1L063014 connie
Misc. Info.: 11 OF- CL
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	1638819	0.0555	
2 Chloride	4.525	4.533	-0.008	683023452	33.2	
3 Sulfate	6.250	6.233	0.017	56845696	3.70	

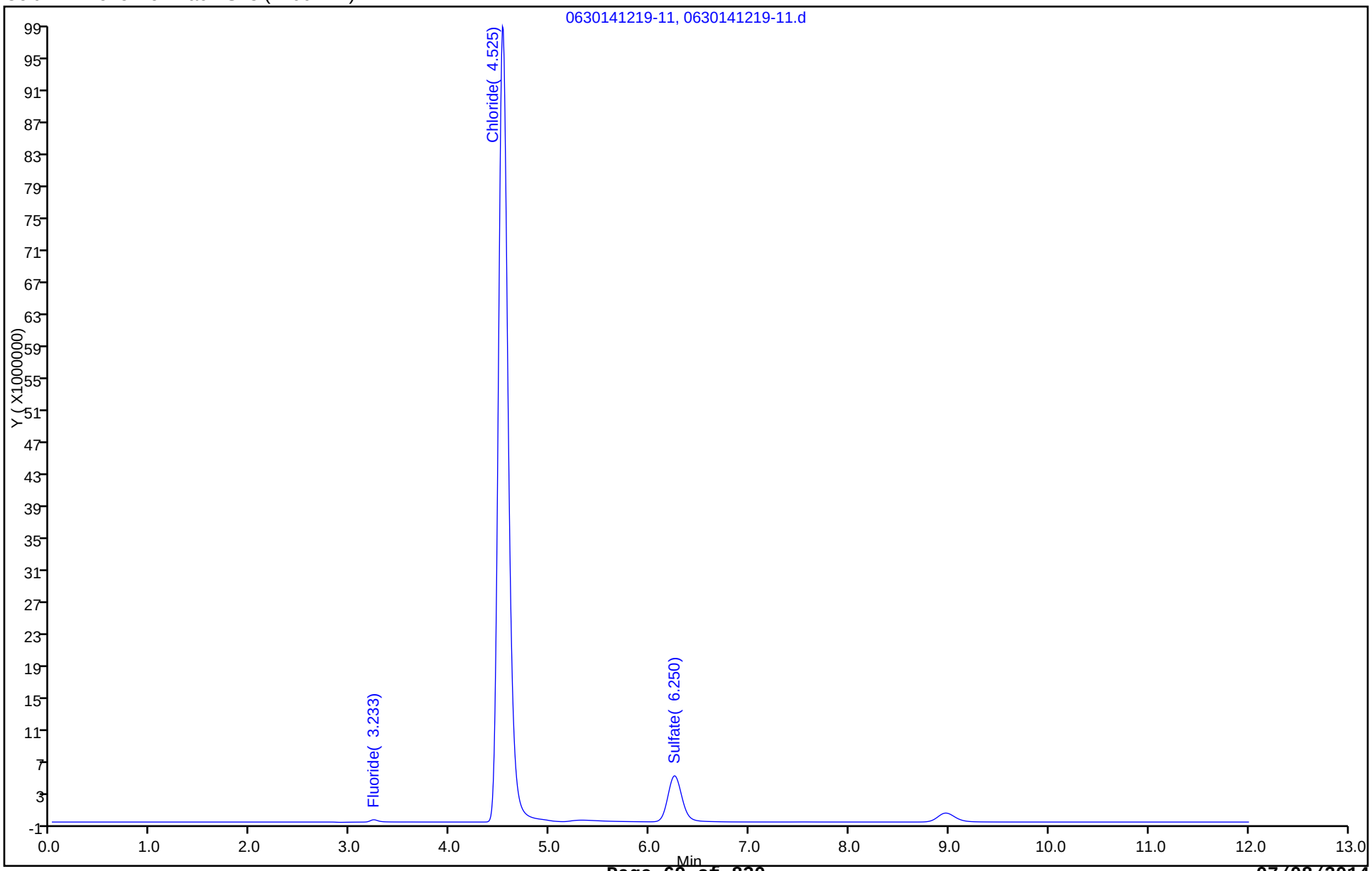
Report Date: 01-Jul-2014 10:32:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141219-11.d

Injection Date:	30-Jun-2014 12:19:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-3	Lab Sample ID:	680-102616-3	Worklist Smp#:	11
Client ID:	SMSSW14				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Spring Lab Sample ID: 680-102616-4

Matrix: Water Lab File ID: 0627141634-31.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 16:34

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	33		0.50	0.25
16984-48-8	Fluoride	0.71		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141634-31.d				
Lims ID:	680-102616-F-4	Lab Sample ID:	680-102616-4		
Client ID:	SMSSW09 Spring				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 16:34:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-4 1L062714 connie				
Misc. Info.:	15098 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 08:53:48	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	23450358	0.7102	
2 Chloride	4.492	4.542	-0.050	7603337881	368.7	E
3 Sulfate	6.200	6.233	-0.033	502705118	32.7	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

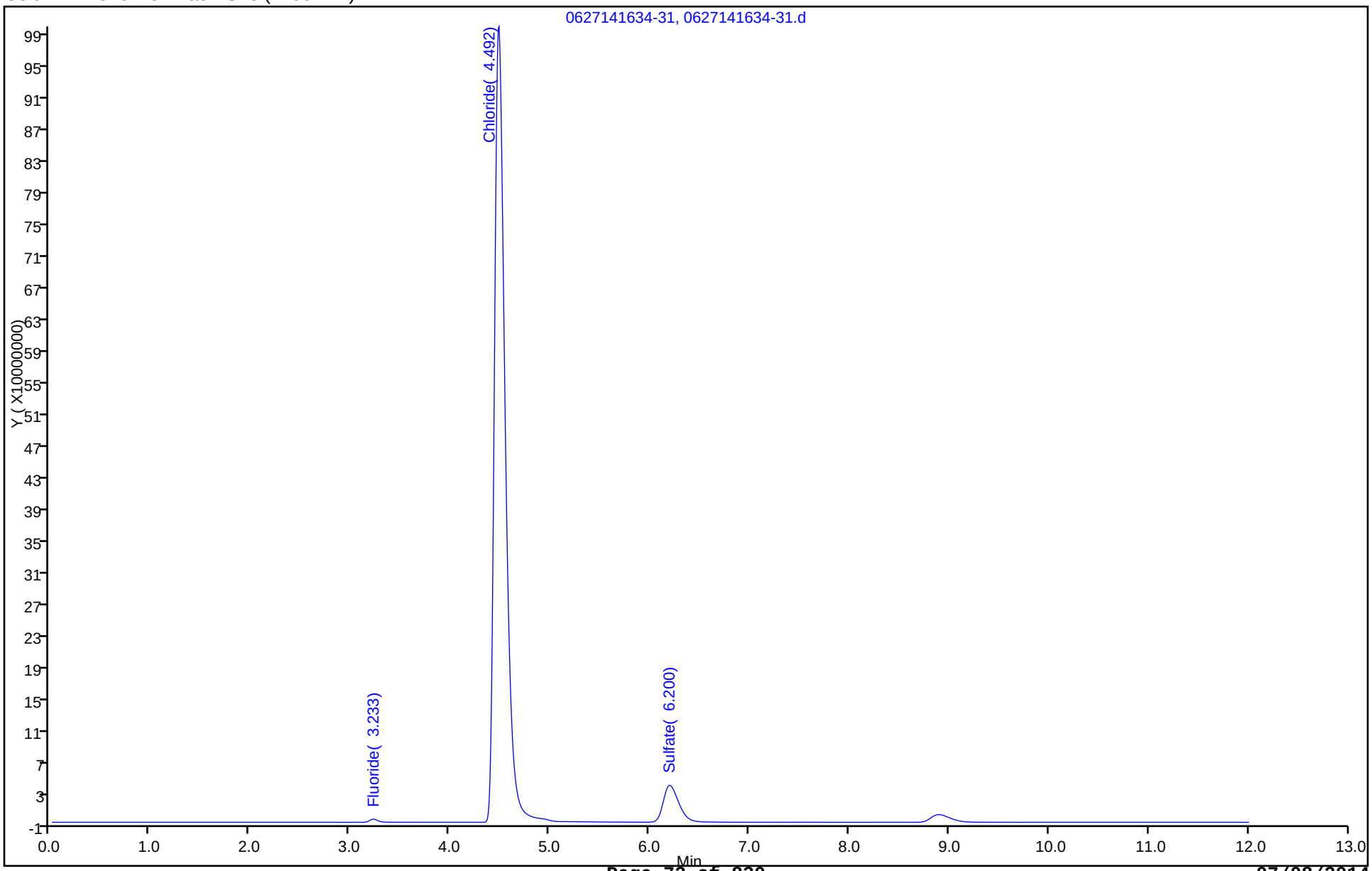
Report Date: 30-Jun-2014 10:10:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141634-31.d

Injection Date:	27-Jun-2014 16:34:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-4	Lab Sample ID:	680-102616-4	Worklist Smp#:	31
Client ID:	SMSSW09 Spring				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Spring Lab Sample ID: 680-102616-4

Matrix: Water Lab File ID: 0630141302-14.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 13:02

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	370		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141302-14.d
Lims ID: 680-102616-F-4 Lab Sample ID: 680-102616-4
Client ID: SMSSW09 Spring
Sample Type: Client
Inject. Date: 30-Jun-2014 13:02:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-4 1L063014 connie
Misc. Info.: 14 OF- CL
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

First Level Reviewer: thorntonp Date: 30-Jun-2014 13:35:06

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	1776977	0.0597	
2 Chloride	4.525	4.533	-0.008	770709923	37.4	
3 Sulfate	6.258	6.233	0.025	48079375	3.13	

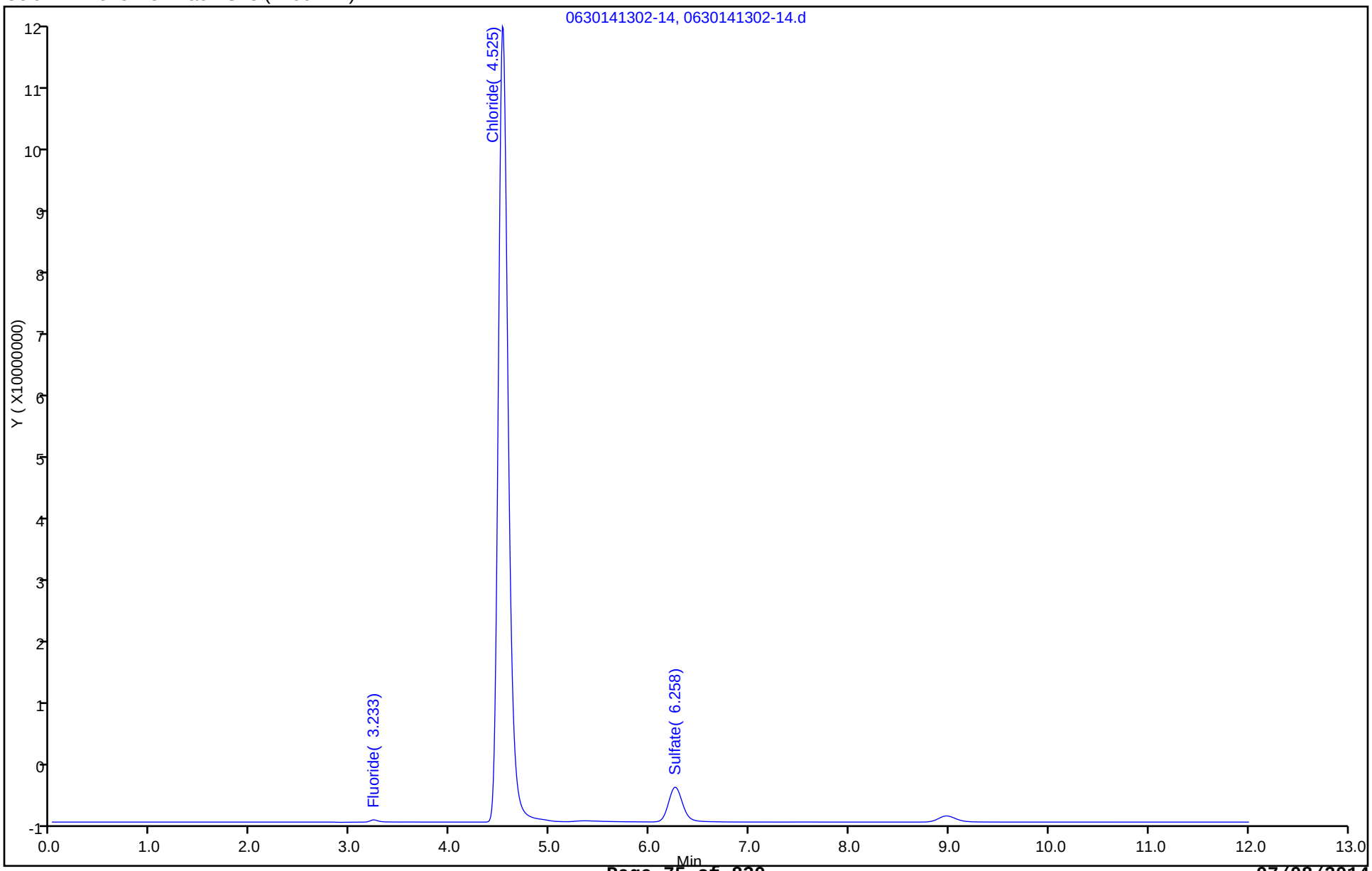
Report Date: 01-Jul-2014 10:32:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141302-14.d

Injection Date:	30-Jun-2014 13:02:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-4	Lab Sample ID:	680-102616-4	Worklist Smp#:	14
Client ID:	SMSSW09 Spring				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW01 Lab Sample ID: 680-102616-5

Matrix: Water Lab File ID: 0627141731-35.d

Analysis Method: 300.0 Date Collected: 06/22/2014 15:13

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 17:31

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

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

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

Analysis Batch No.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	3.8		0.50	0.25
16984-48-8	Fluoride	0.047	J	0.10	0.025
16887-00-6	Chloride	3.6		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141731-35.d				
Lims ID:	680-102616-F-5	Lab Sample ID:	680-102616-5		
Client ID:	SMSSW01				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 17:31:00	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-5 1L062714 connie				
Misc. Info.:	28009 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	1363440	0.0473	
2 Chloride	4.533	4.542	-0.009	73373599	3.64	
3 Sulfate	6.250	6.250	0.000	58028062	3.78	

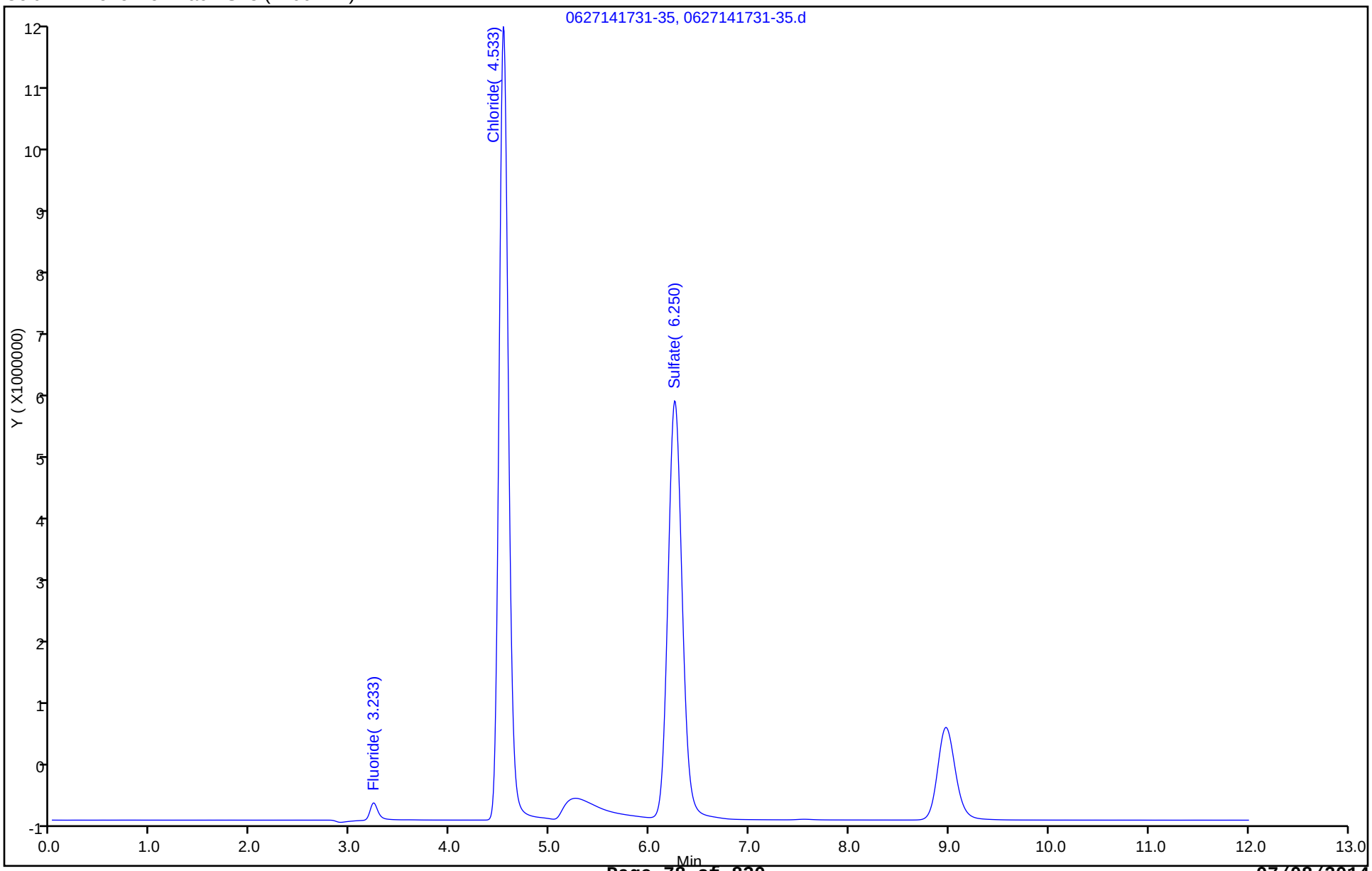
Report Date: 30-Jun-2014 10:10:56 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141731-35.d

Injection Date:	27-Jun-2014 17:31:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-5	Lab Sample ID:	680-102616-5	Worklist Smp#:	35
Client ID:	SMSSW01				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW11 Lab Sample ID: 680-102616-6

Matrix: Water Lab File ID: 0627141746-36.d

Analysis Method: 300.0 Date Collected: 06/22/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 17:46

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	7.1		0.50	0.25
16984-48-8	Fluoride	0.043	J	0.10	0.025
16887-00-6	Chloride	9.0		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141746-36.d				
Lims ID:	680-102616-F-6	Lab Sample ID:	680-102616-6		
Client ID:	SMSSW11				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 17:46:00	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-6 1L062714 connie				
Misc. Info.:	20502 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	1207120	0.0426	
2 Chloride	4.533	4.542	-0.009	183228883	8.96	
3 Sulfate	6.242	6.250	-0.008	109436188	7.12	

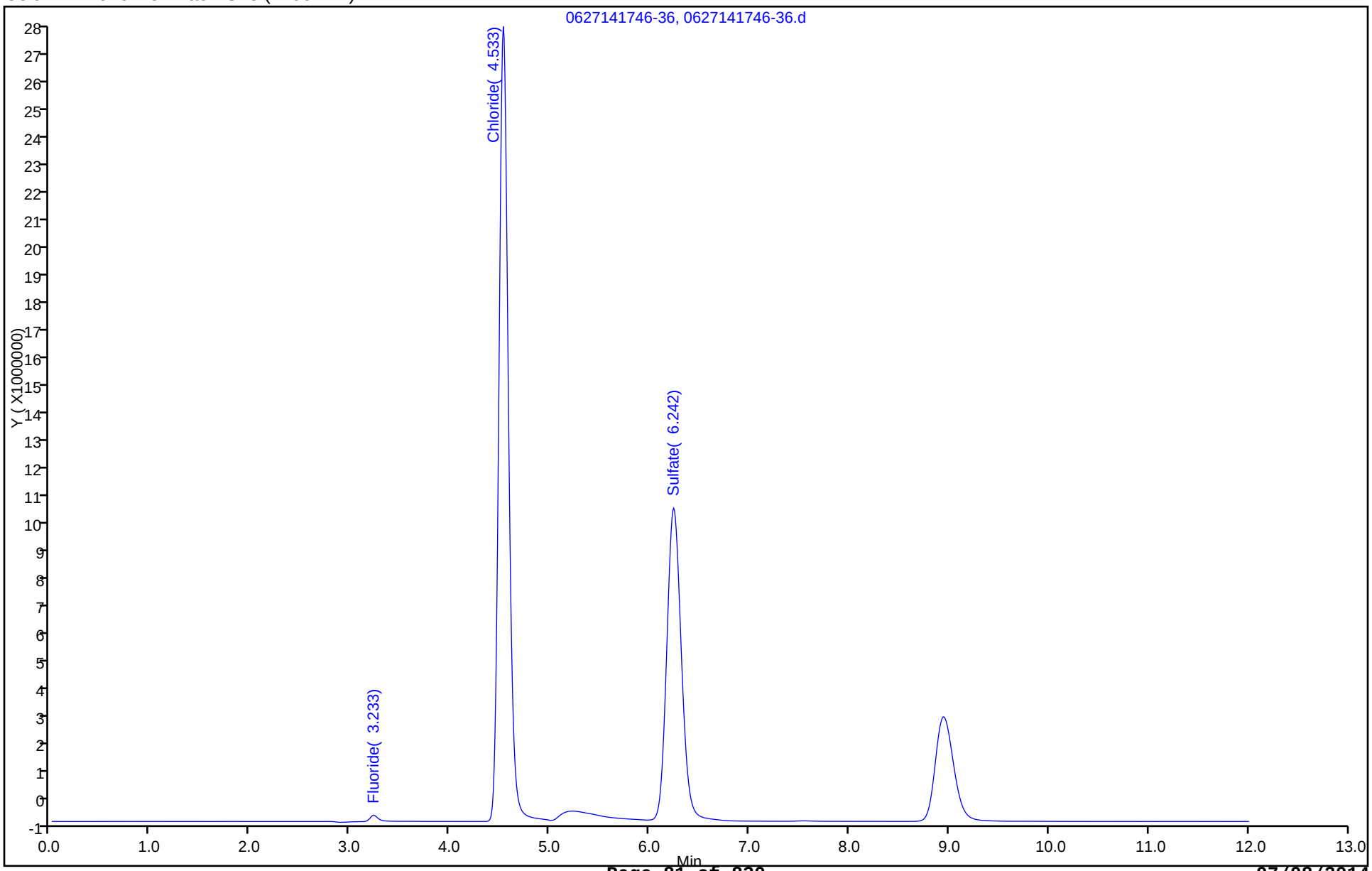
Report Date: 30-Jun-2014 10:10:56 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141746-36.d

Injection Date:	27-Jun-2014 17:46:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-6	Lab Sample ID:	680-102616-6	Worklist Smp#:	36
Client ID:	SMSSW11				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Spring Lab Sample ID: 680-102616-7

Matrix: Water Lab File ID: 0627141800-37.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 18:00

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	30		0.50	0.25
16984-48-8	Fluoride	0.42		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141800-37.d				
Lims ID:	680-102616-F-7	Lab Sample ID:	680-102616-7		
Client ID:	SMSSW08 Spring				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 18:00:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-7 1L062714 connie				
Misc. Info.:	12289 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	13751656	0.4191	
2 Chloride	4.492	4.542	-0.050	7190090693	348.6	E
3 Sulfate	6.208	6.250	-0.042	460827925	29.9	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

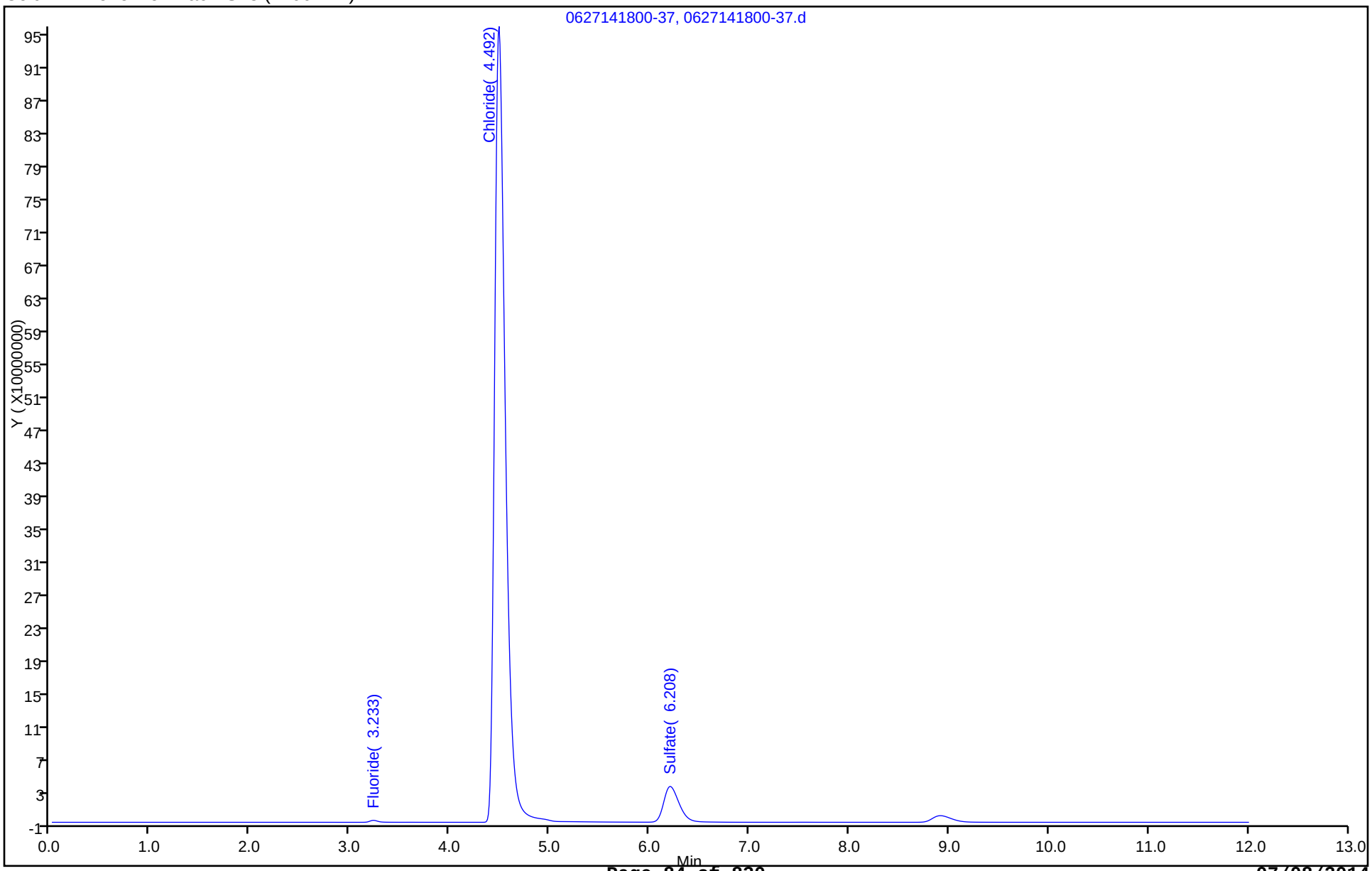
Report Date: 30-Jun-2014 10:10:56 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141800-37.d

Injection Date:	27-Jun-2014 18:00:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-7	Lab Sample ID:	680-102616-7	Worklist Smp#:	37
Client ID:	SMSSW08 Spring				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Spring Lab Sample ID: 680-102616-7

Matrix: Water Lab File ID: 0627141814-38.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 18:14

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	360		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141814-38.d
Lims ID: 680-102616-F-7 Lab Sample ID: 680-102616-7
Client ID: SMSSW08 Spring
Sample Type: Client
Inject. Date: 27-Jun-2014 18:14:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-7 1L062714 connie
Misc. Info.: 31194 OF
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:10:55 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	1045805	0.0377	
2 Chloride	4.533	4.542	-0.009	734282482	35.7	
3 Sulfate	6.267	6.250	0.017	43874954	2.86	

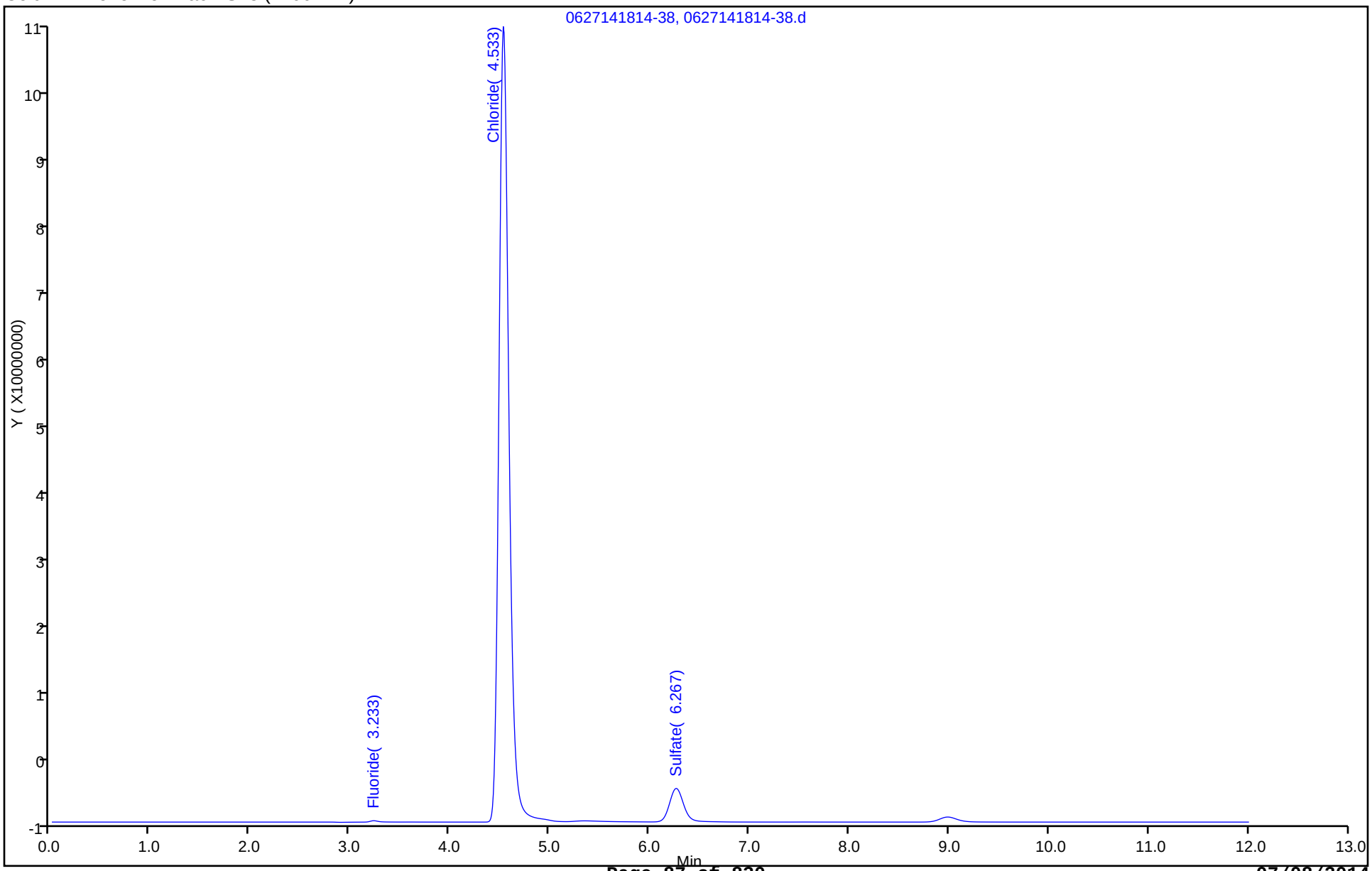
Report Date: 30-Jun-2014 10:10:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141814-38.d

Injection Date:	27-Jun-2014 18:14:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-7	Lab Sample ID:	680-102616-7	Worklist Smp#:	38
Client ID:	SMSSW08 Spring				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Lab Sample ID: 680-102616-8

Matrix: Water Lab File ID: 0627141829-39.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 18:29

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	33		0.50	0.25
16984-48-8	Fluoride	0.67		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141829-39.d				
Lims ID:	680-102616-F-8	Lab Sample ID:	680-102616-8		
Client ID:	SMSSW08				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 18:29:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-8 1L062714 connie				
Misc. Info.:	6958 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	21948239	0.6651	
2 Chloride	4.492	4.542	-0.050	7571232786	367.1	E
3 Sulfate	6.208	6.250	-0.042	500306205	32.5	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

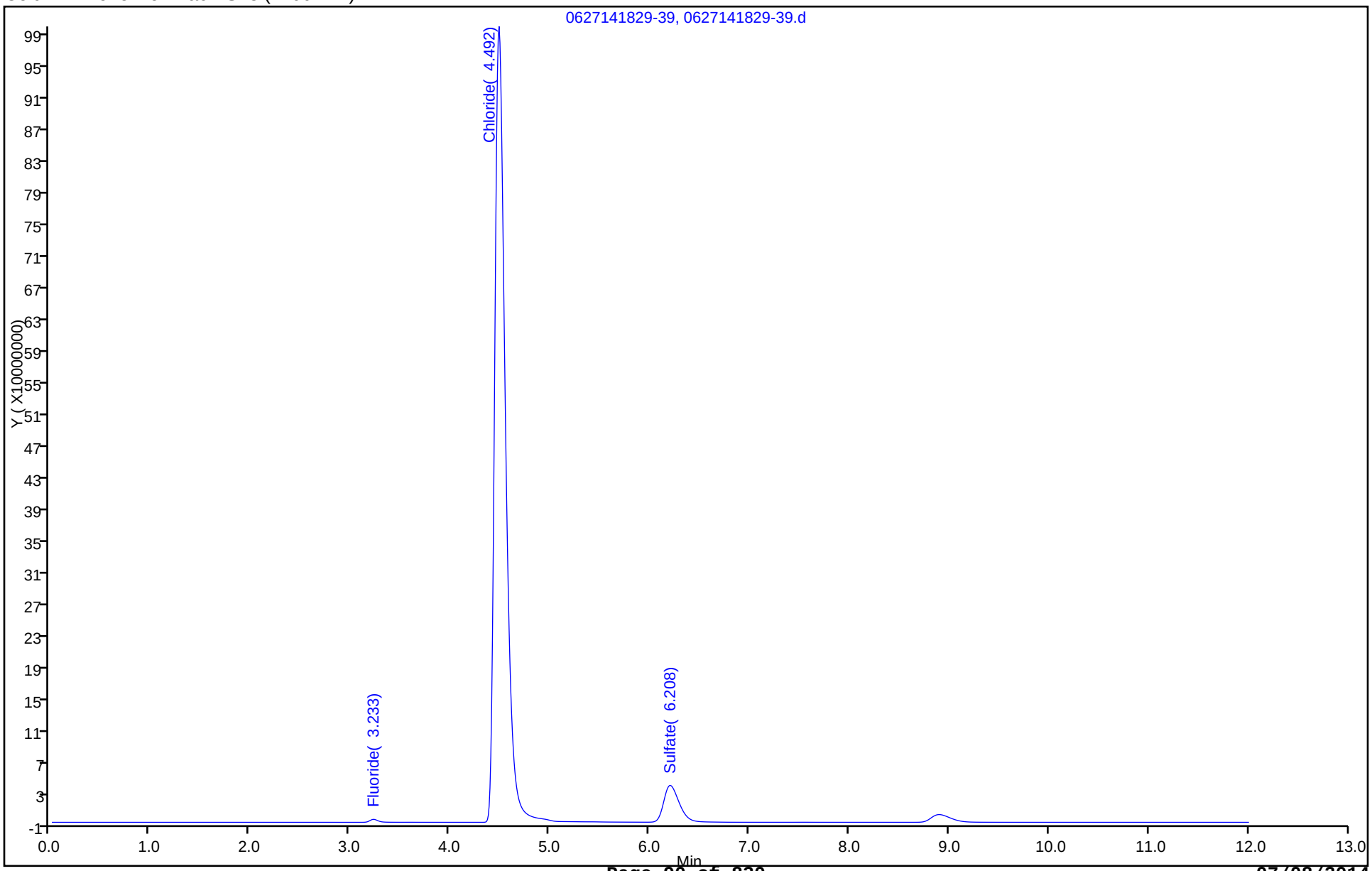
Report Date: 30-Jun-2014 10:10:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141829-39.d

Injection Date:	27-Jun-2014 18:29:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-8	Lab Sample ID:	680-102616-8	Worklist Smp#:	39
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Lab Sample ID: 680-102616-8

Matrix: Water Lab File ID: 0630141317-15.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 13:17

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	370		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141317-15.d
Lims ID: 680-102616-F-8 Lab Sample ID: 680-102616-8
Client ID: SMSSW08
Sample Type: Client
Inject. Date: 30-Jun-2014 13:17:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-8 1L063014 connie
Misc. Info.: 15 OF- CL
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

First Level Reviewer: thorntonp Date: 30-Jun-2014 14:17:30

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	1677372	0.0567	
2 Chloride	4.533	4.533	0.000	770959213	37.5	
3 Sulfate	6.258	6.233	0.025	47721405	3.11	

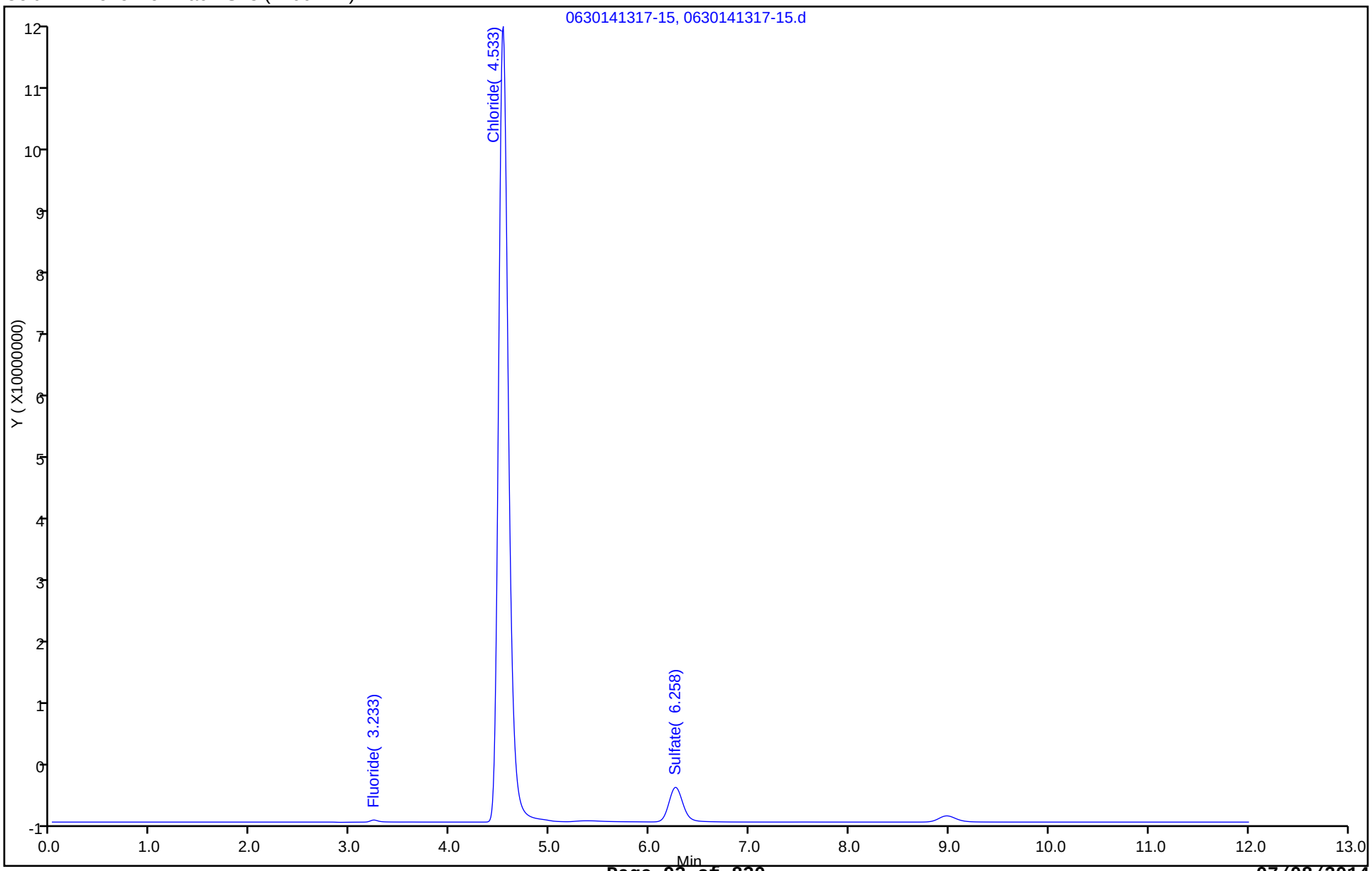
Report Date: 01-Jul-2014 10:32:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141317-15.d

Injection Date:	30-Jun-2014 13:17:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-8	Lab Sample ID:	680-102616-8	Worklist Smp#:	15
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Matrix: Water Lab File ID: 0627141926-43.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 19:26

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	4.2		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141926-43.d				
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 19:26:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-9 1L062714 connie				
Misc. Info.:	13596 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				
First Level Reviewer: thorntonp		Date:	30-Jun-2014 08:51:30		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.217	3.242	-0.025	140858131	4.23	M
2 Chloride	4.542	4.542	0.000	45054134705	2184.2	E
3 Sulfate	6.050	6.250	-0.200	2530993975	164.4	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

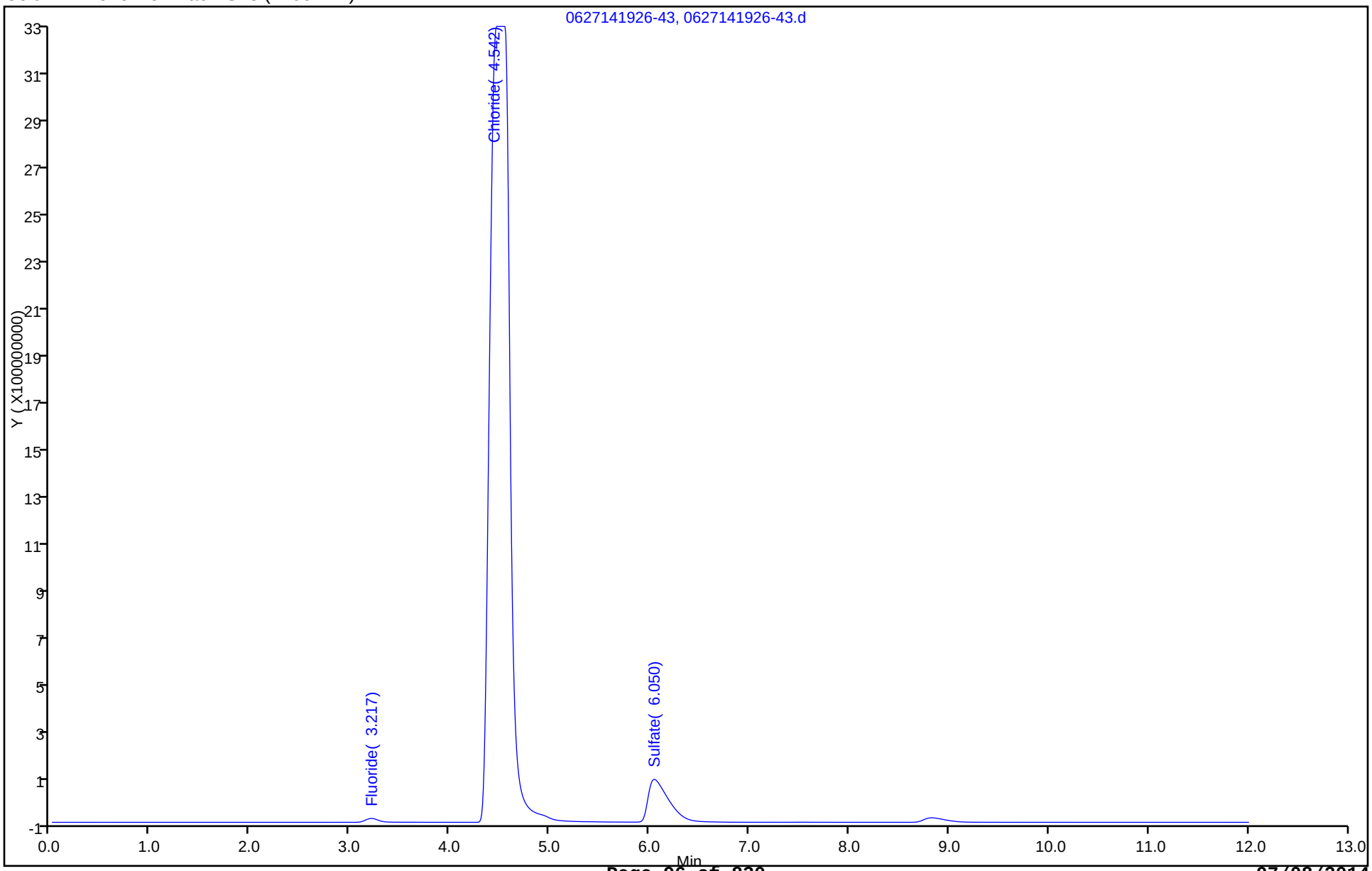
Report Date: 30-Jun-2014 10:10:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141926-43.d

Injection Date:	27-Jun-2014 19:26:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9	Worklist Smp#:	43
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



Manual Integration/User Assign Peak Report

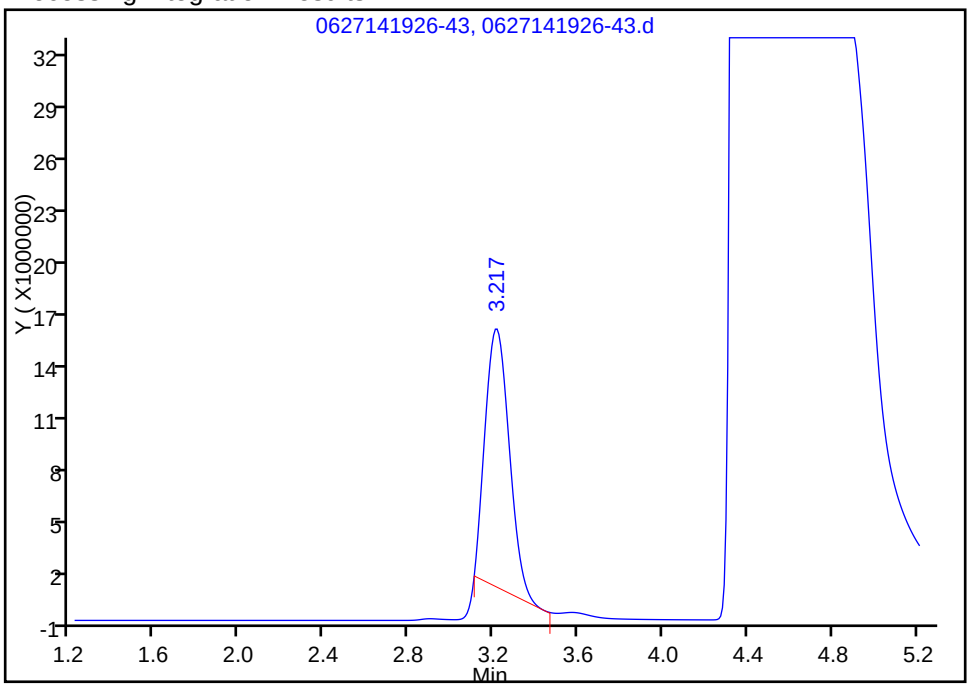
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141926-43.d				
Injection Date:	27-Jun-2014 19:26:00	Instrument ID:	CICL		
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9		
Client ID:	SMSSW04				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		
Column:	Dionex Ion Pac AS18 (4.00 mm)	Detector	0423131702-17		

1 Fluoride, CAS: 16984-48-8

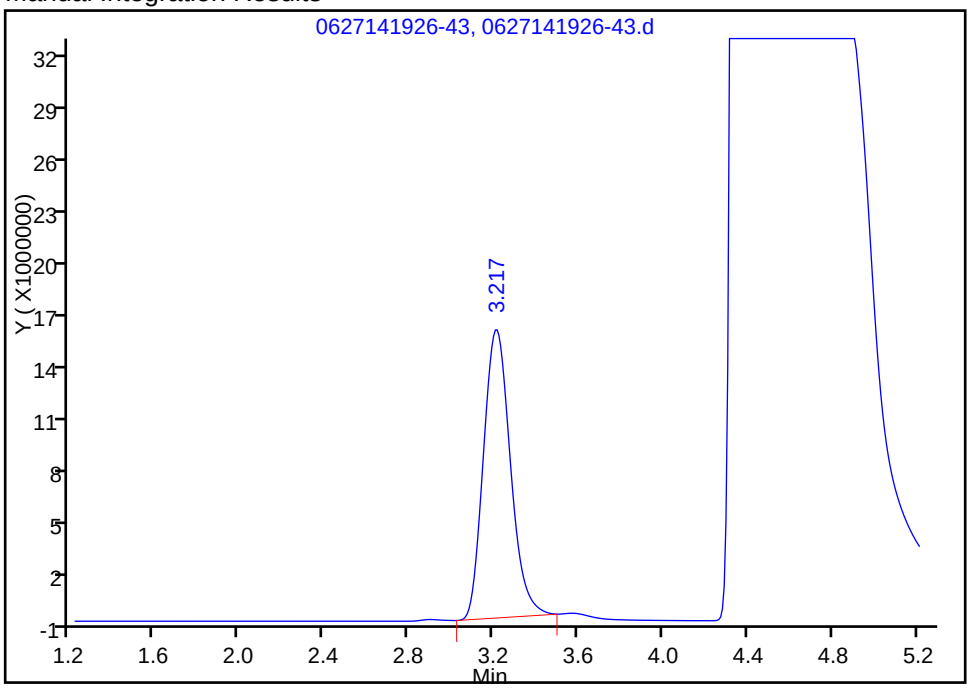
Processing Integration Results

RT: 3.22
Response: 112862882
Amount: 3.393763



Manual Integration Results

RT: 3.22
Response: 140858131
Amount: 4.234001



Reviewer: thorntonp, 30-Jun-2014 08:51:30
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Matrix: Water Lab File ID: 0627141941-44.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 19:41

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	170		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141941-44.d				
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 19:41:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-102616-F-9 1L062714 connie				
Misc. Info.:	22383 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	37558988	1.13	
2 Chloride	4.483	4.542	-0.059	13021126990	631.3	E
3 Sulfate	6.183	6.250	-0.067	648655427	42.2	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

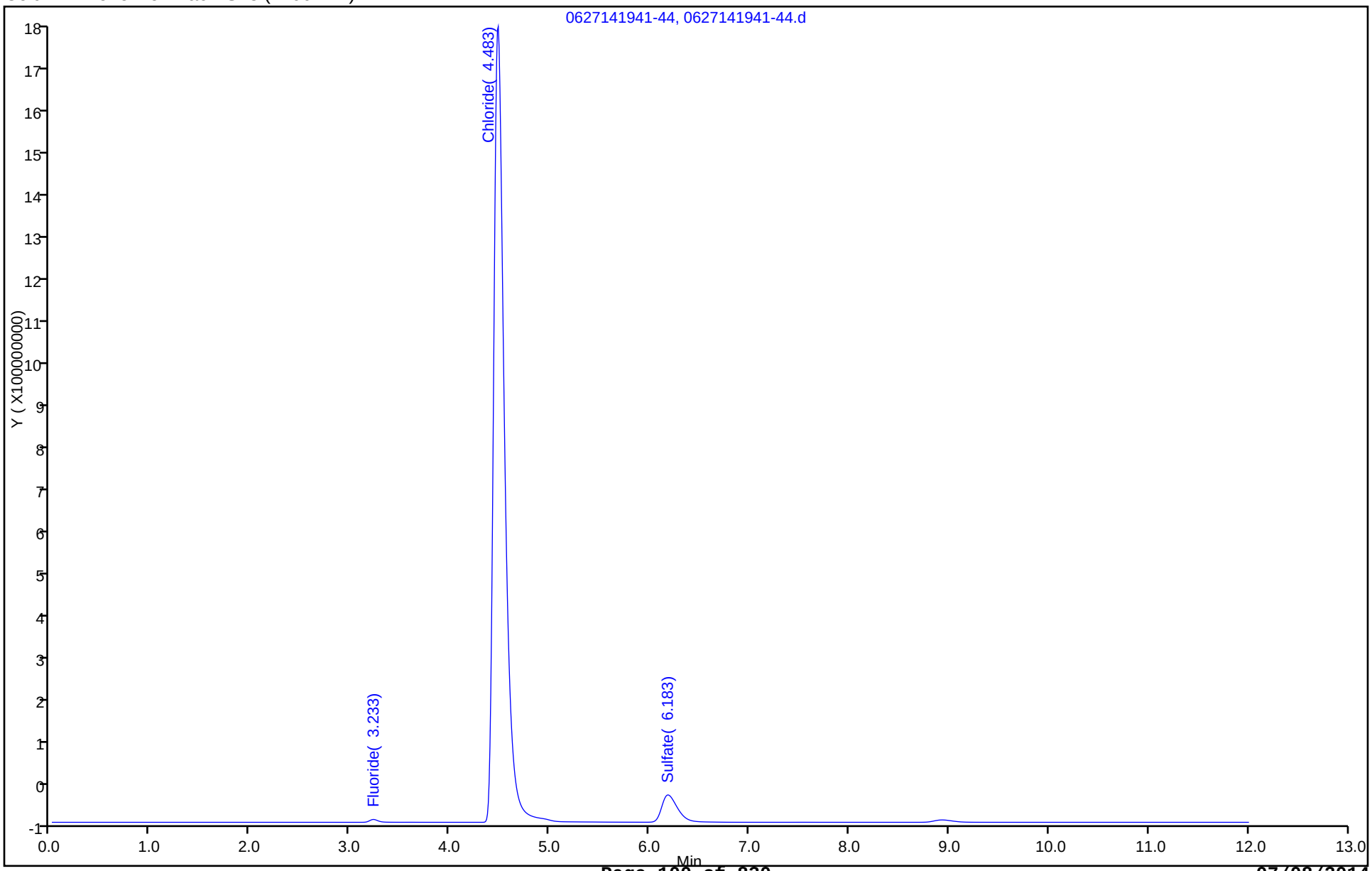
Report Date: 30-Jun-2014 10:10:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141941-44.d

Injection Date:	27-Jun-2014 19:41:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9	Worklist Smp#:	44
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Matrix: Water Lab File ID: 0701141222-14.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 12:22

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.: 337073 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	2700		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141222-14.d				
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	01-Jul-2014 12:22:00	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-102616-F-9~1L070114 connie				
Misc. Info.:	14 OF- CL				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:03	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:	XAWRK022				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	1137339	0.0405	
2 Chloride	4.542	4.542	0.000	554741931	27.0	
3 Sulfate	6.275	6.242	0.033	25018824	1.63	

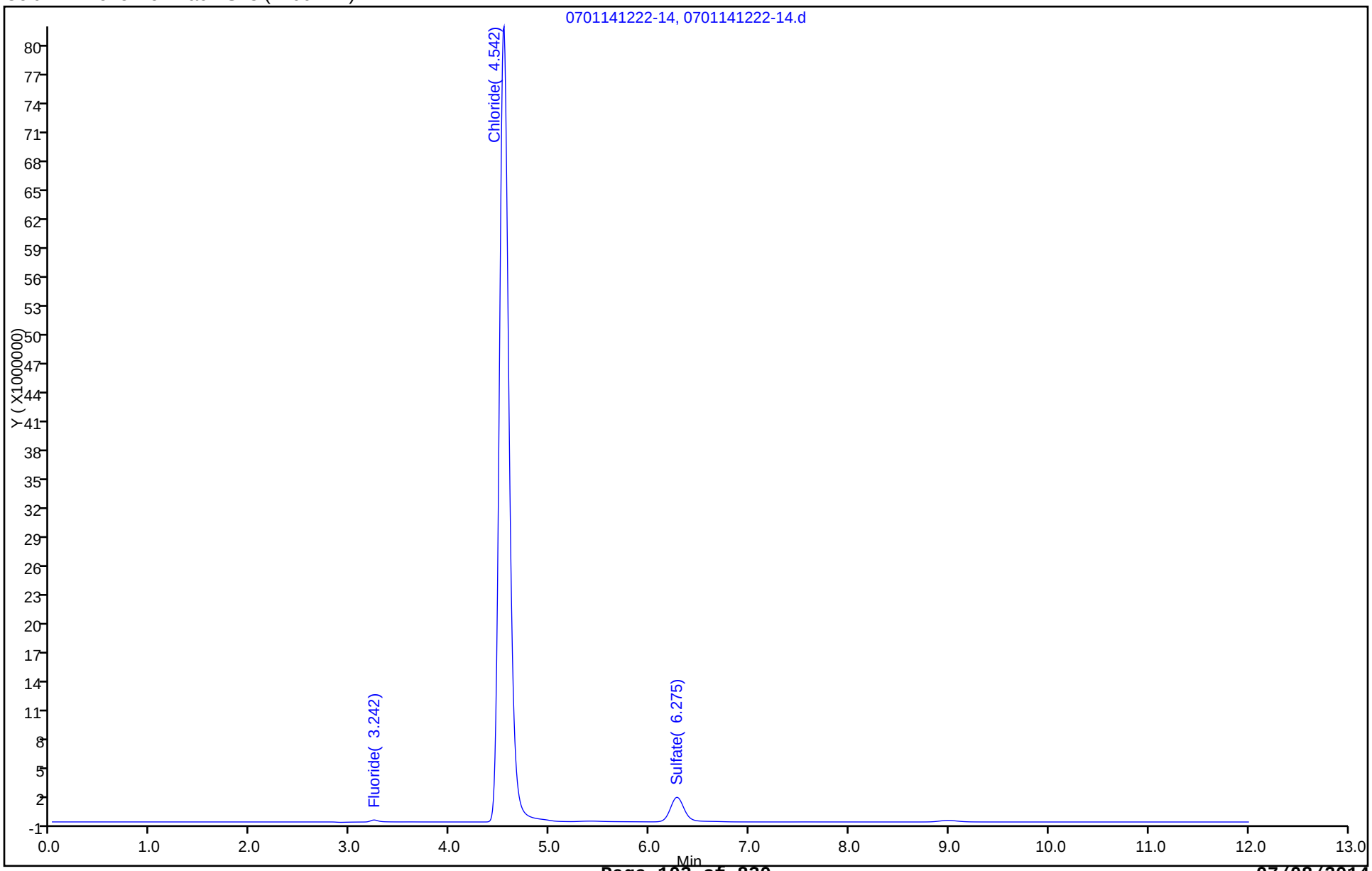
Report Date: 02-Jul-2014 08:53:07 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141222-14.d

Injection Date:	01-Jul-2014 12:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-9	Lab Sample ID:	680-102616-9	Worklist Smp#:	14
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Matrix: Water Lab File ID: 0627142024-47.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 20:24

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	4.2		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142024-47.d				
Lims ID:	680-102616-F-10	Lab Sample ID:	680-102616-10		
Client ID:	SMSSW94				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 20:24:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-10 1L062714 connie				
Misc. Info.:	10801 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:58	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:	XAWRK003				
First Level Reviewer: thorntonp		Date:	30-Jun-2014 08:53:48		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.217	3.242	-0.025	141188602	4.24	M
2 Chloride	4.467	4.542	-0.075	44885847734	2176.0	E
3 Sulfate	6.042	6.242	-0.200	2529153293	164.3	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

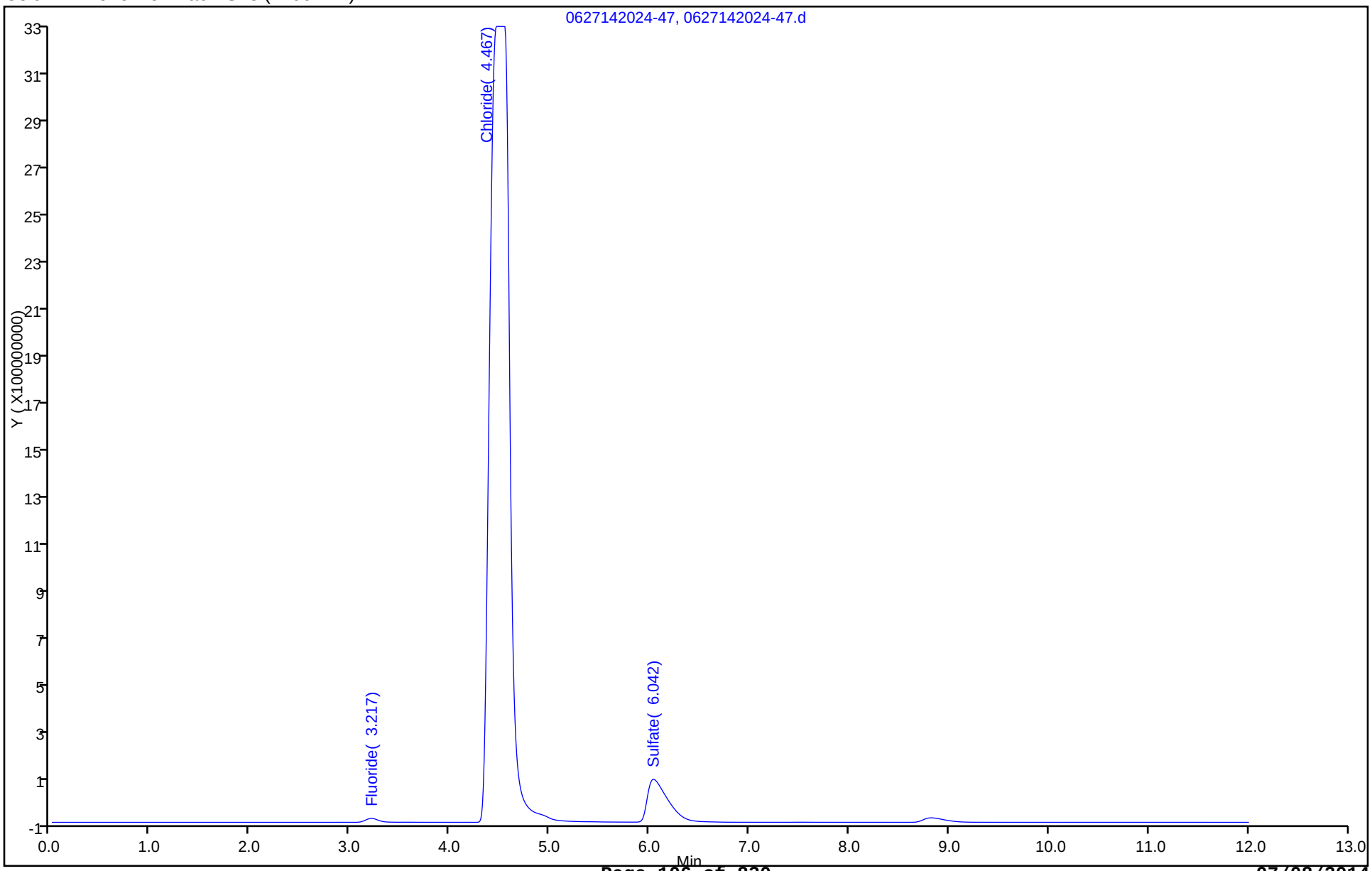
Report Date: 30-Jun-2014 10:10:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142024-47.d

Injection Date:	27-Jun-2014 20:24:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-10	Lab Sample ID:	680-102616-10	Worklist Smp#:	47
Client ID:	SMSSW94				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



Manual Integration/User Assign Peak Report

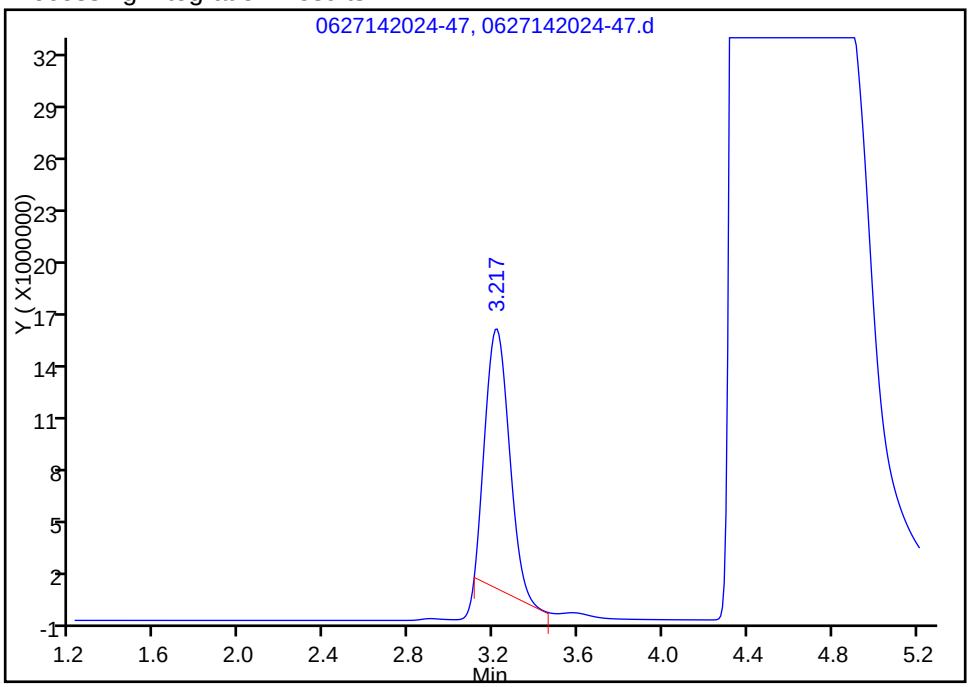
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142024-47.d				
Injection Date:	27-Jun-2014 20:24:00	Instrument ID:	CICL		
Lims ID:	680-102616-F-10	Lab Sample ID:	680-102616-10		
Client ID:	SMSSW94				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		
Column:	Dionex Ion Pac AS18 (4.00 mm)	Detector	0423131702-17		

1 Fluoride, CAS: 16984-48-8

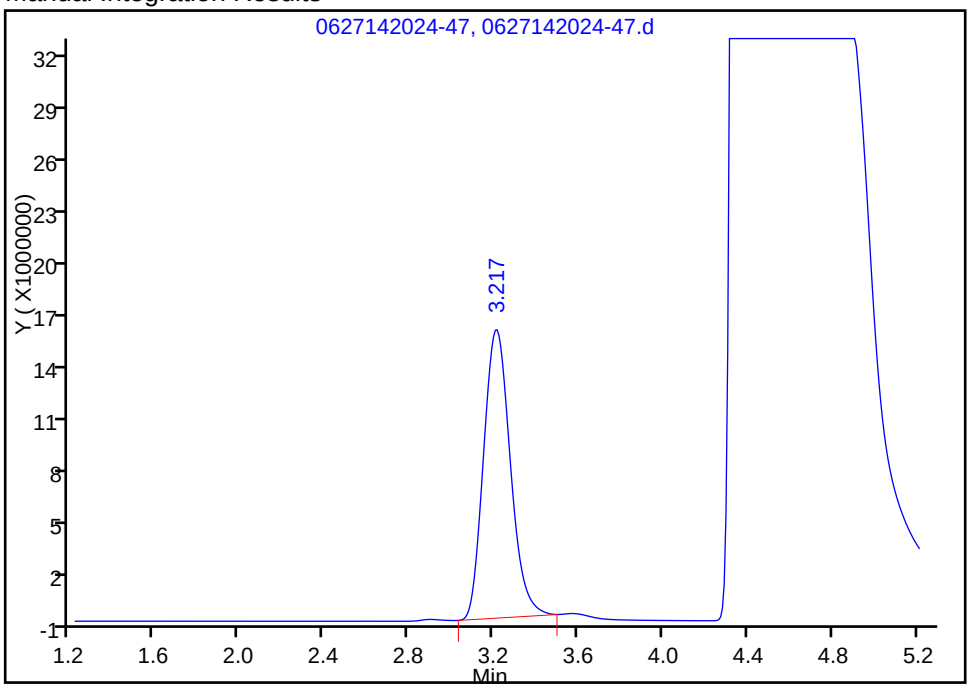
Processing Integration Results

RT: 3.22
Response: 114383941
Amount: 3.439415



Manual Integration Results

RT: 3.22
Response: 141188602
Amount: 4.243920



Reviewer: thorntonp, 30-Jun-2014 08:53:48
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Matrix: Water Lab File ID: 0630141346-17.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 13:46

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	170		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141346-17.d
Lims ID: 680-102616-F-10 Lab Sample ID: 680-102616-10
Client ID: SMSSW94
Sample Type: Client
Inject. Date: 30-Jun-2014 13:46:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-10 1L063014 connie
Misc. Info.: 17 OF- SO4
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

First Level Reviewer: thorntonp Date: 30-Jun-2014 14:44:27

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.250	-0.017	13683507	0.4170	
2 Chloride	4.500	4.533	-0.033	5223831147	253.3	E
3 Sulfate	6.233	6.233	0.000	257289137	16.7	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

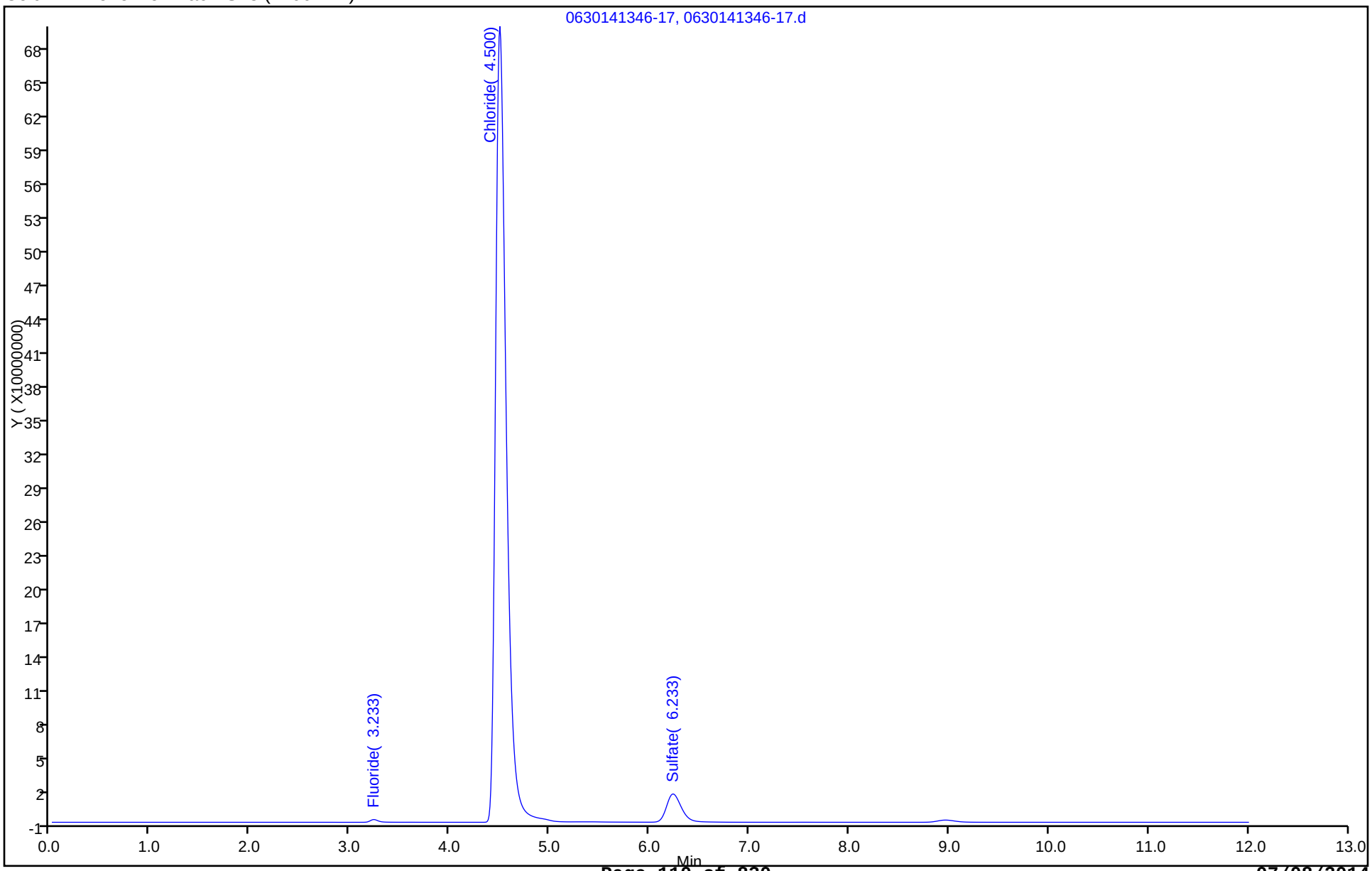
Report Date: 01-Jul-2014 10:32:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141346-17.d

Injection Date:	30-Jun-2014 13:46:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-10	Lab Sample ID:	680-102616-10	Worklist Smp#:	17
Client ID:	SMSSW94				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Matrix: Water Lab File ID: 0701141236-15.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 12:36

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.: 337073 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	2600		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141236-15.d
Lims ID: 680-102616-F-10 Lab Sample ID: 680-102616-10
Client ID: SMSSW94
Sample Type: Client
Inject. Date: 01-Jul-2014 12:36:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 25.0 ul Dil. Factor: 100.0000
Sample Info: 680-102616-F-10 1L070114 connie
Misc. Info.: 15 OF- CL
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:03 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: XAWRK022

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	1095034	0.0392	
2 Chloride	4.533	4.542	-0.009	534846823	26.0	
3 Sulfate	6.275	6.242	0.033	23612893	1.54	

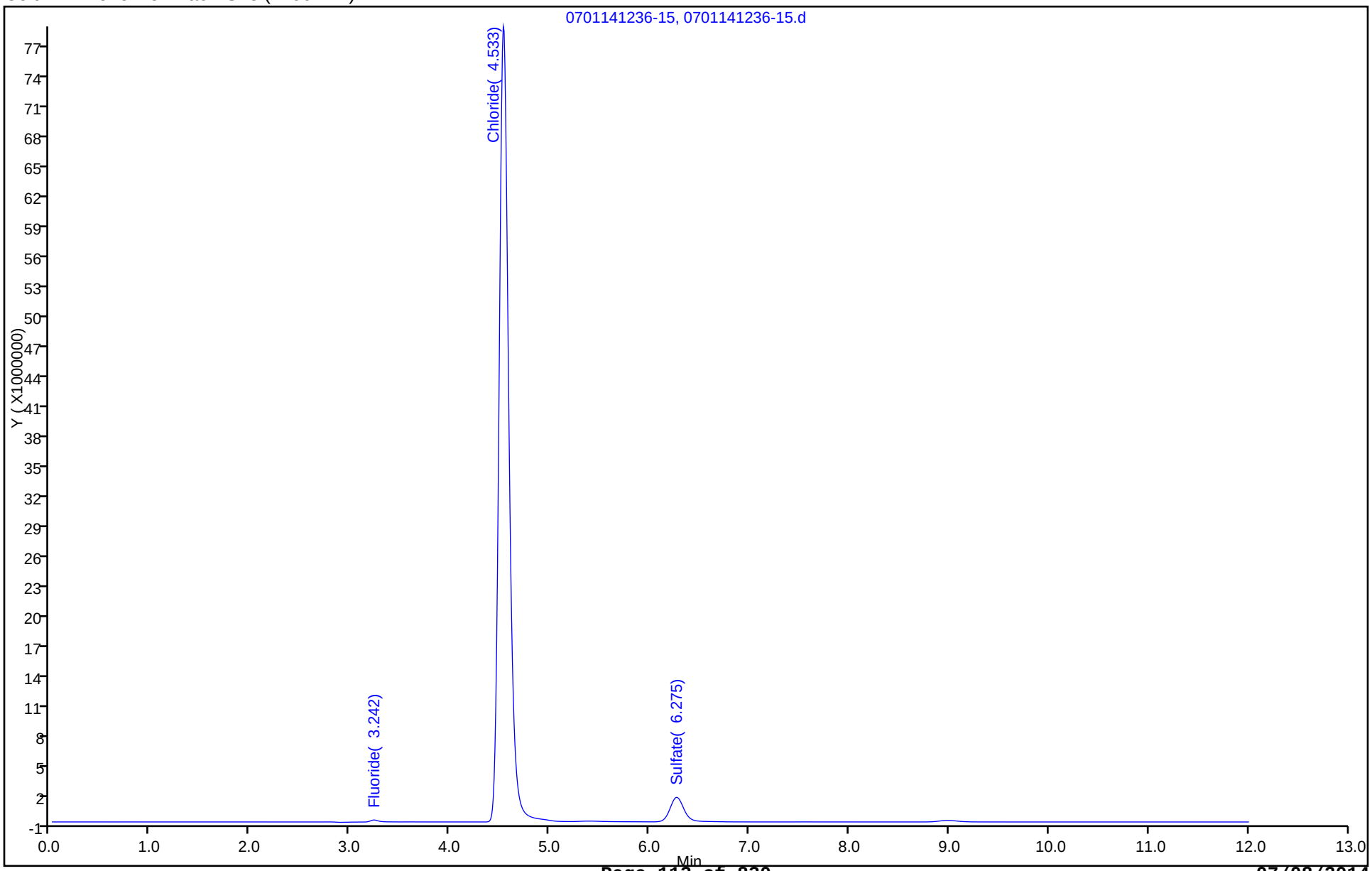
Report Date: 02-Jul-2014 08:53:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141236-15.d

Injection Date:	01-Jul-2014 12:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-10	Lab Sample ID:	680-102616-10	Worklist Smp#:	15
Client ID:	SMSSW94				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07A Lab Sample ID: 680-102616-11

Matrix: Water Lab File ID: 0627142038-48.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 20:38

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1100		25	13
16984-48-8	Fluoride	12		5.0	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142038-48.d				
Lims ID:	680-102616-F-11	Lab Sample ID:	680-102616-11		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 20:38:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	25.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-102616-F-11 1L062714 connie				
Misc. Info.:	3618 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:58	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	7609735	0.2347	
2 Chloride	4.492	4.542	-0.050	8332036742	404.0	E
3 Sulfate	6.217	6.242	-0.025	340018475	22.1	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

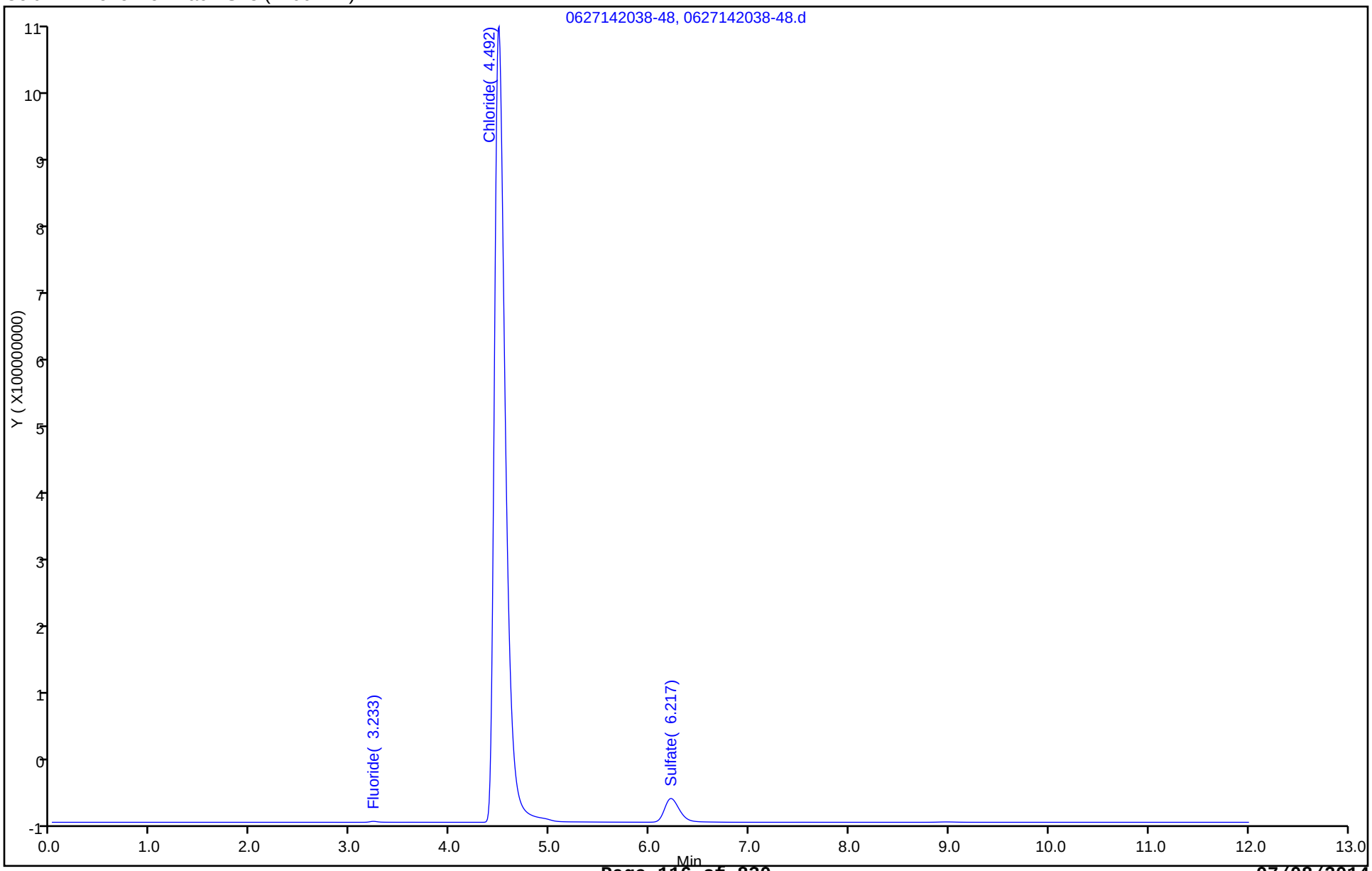
Report Date: 30-Jun-2014 10:10:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142038-48.d

Injection Date:	27-Jun-2014 20:38:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-11	Lab Sample ID:	680-102616-11	Worklist Smp#:	48
Client ID:	SMSMW07A				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07A Lab Sample ID: 680-102616-11

Matrix: Water Lab File ID: 0627142107-50.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 21:07

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	20000		250	130

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142107-50.d				
Lims ID:	680-102616-F-11	Lab Sample ID:	680-102616-11		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 21:07:00	ALS Bottle#:	0	Worklist Smp#:	50
Injection Vol:	25.0 ul	Dil. Factor:	500.0000		
Sample Info:	680-102616-F-11 1L062714 connie				
Misc. Info.:	13174 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:58	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	550836	0.0229	
2 Chloride	4.533	4.542	-0.009	835160076	40.6	
3 Sulfate	6.250	6.242	0.008	30716015	2.00	

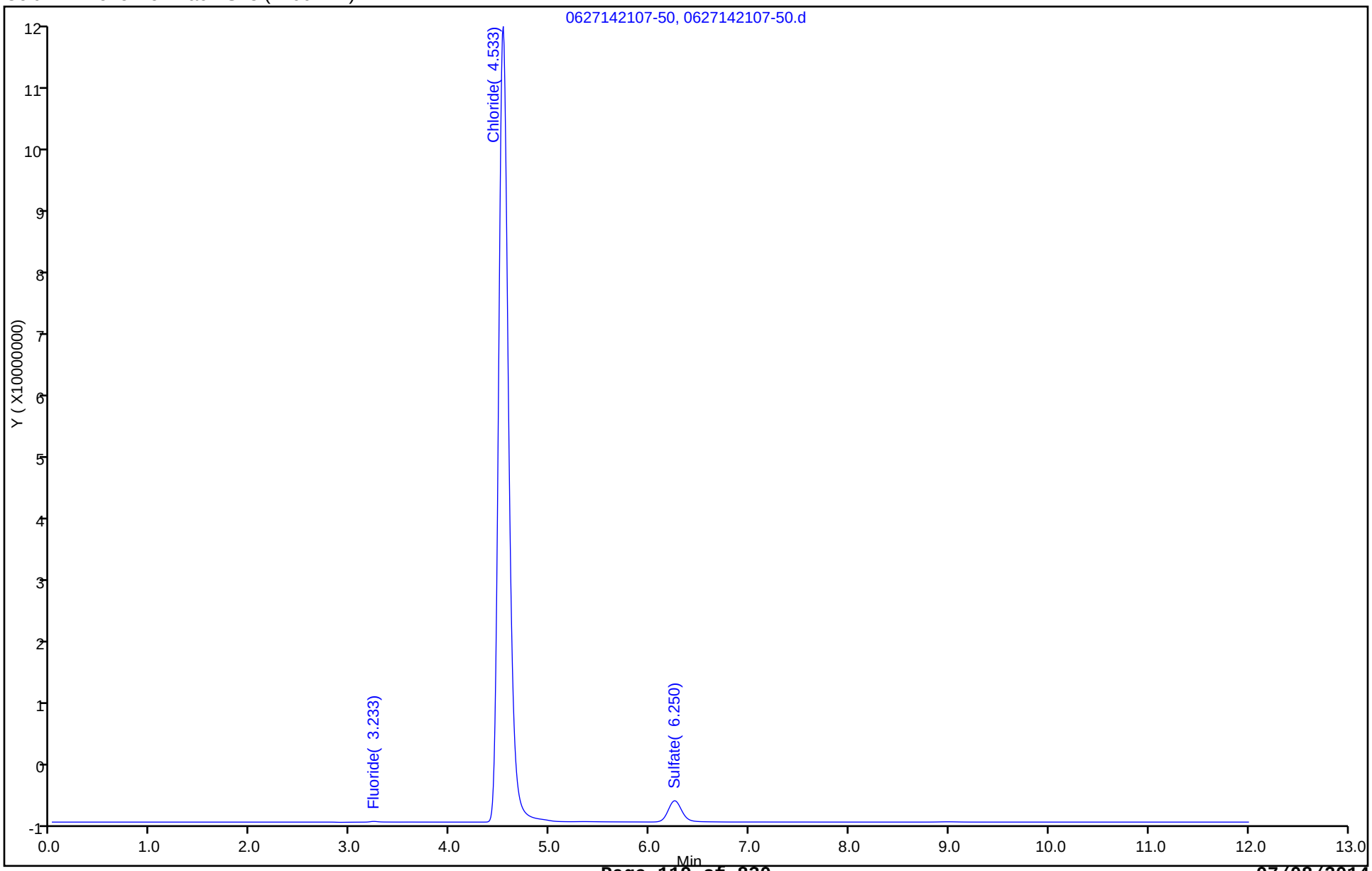
Report Date: 30-Jun-2014 10:11:00 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142107-50.d

Injection Date:	27-Jun-2014 21:07:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-11	Lab Sample ID:	680-102616-11	Worklist Smp#:	50
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	500.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12A Lab Sample ID: 680-102616-12

Matrix: Water Lab File ID: 0627142234-56.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 22:34

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.075	J	0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142234-56.d				
Lims ID:	680-102616-F-12	Lab Sample ID:	680-102616-12		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 22:34:00	ALS Bottle#:	0	Worklist Smp#:	56
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-12 1L062714 connie				
Misc. Info.:	31525 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.225	3.242	-0.017	2295548	0.0752	
2 Chloride	4.492	4.542	-0.050	5188723996	251.6	E
3 Sulfate	6.017	6.242	-0.225	3132835554	203.6	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

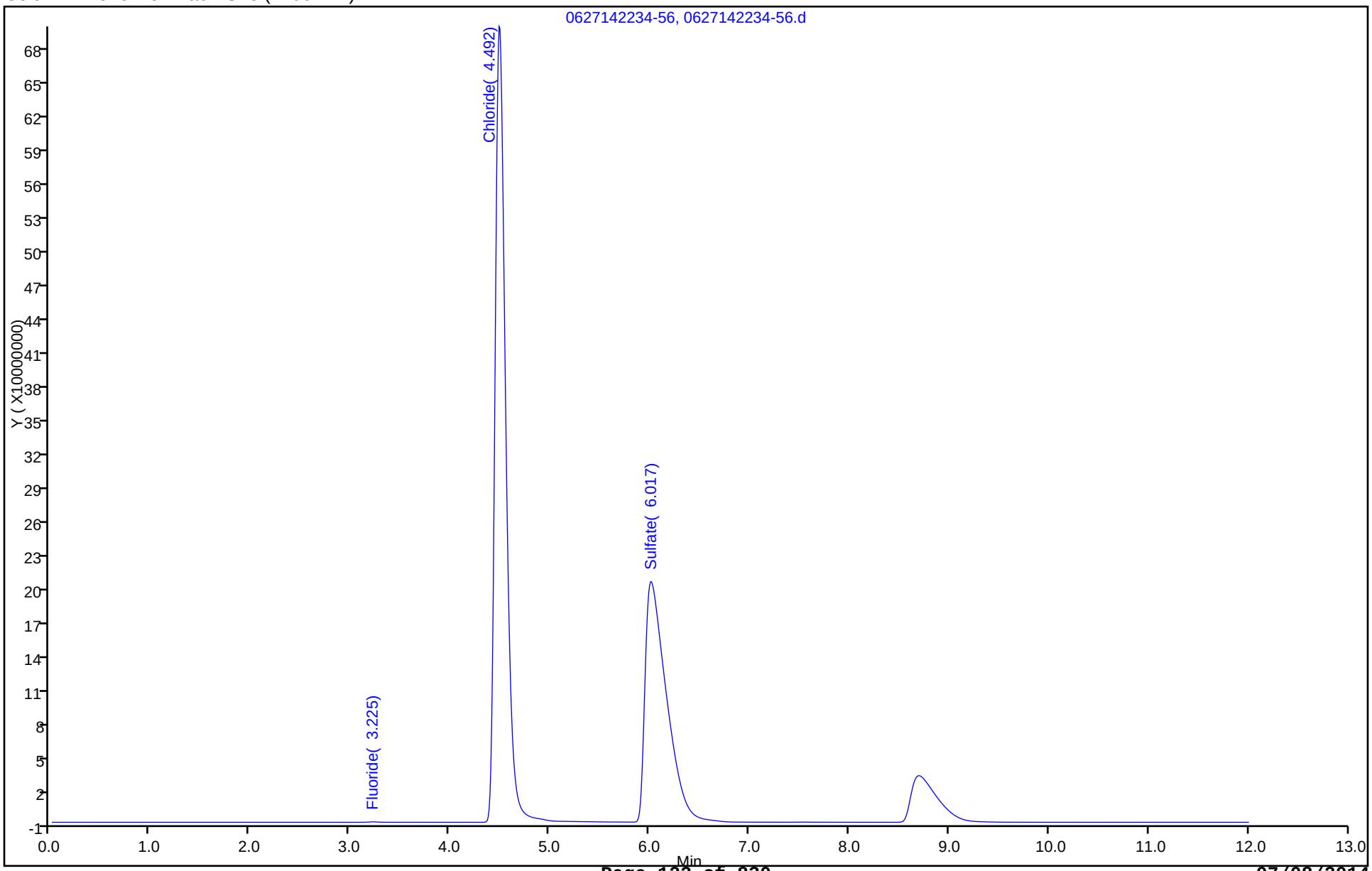
Report Date: 30-Jun-2014 10:11:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142234-56.d

Injection Date:	27-Jun-2014 22:34:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-12	Lab Sample ID:	680-102616-12	Worklist Smp#:	56
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12A Lab Sample ID: 680-102616-12

Matrix: Water Lab File ID: 0627142248-57.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 22:48

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	210		5.0	2.5
16887-00-6	Chloride	260		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142248-57.d				
Lims ID:	680-102616-F-12	Lab Sample ID:	680-102616-12		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 22:48:00	ALS Bottle#:	0	Worklist Smp#:	57
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-102616-F-12 1L062714 connie				
Misc. Info.:	16059 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	176423	0.0116	
2 Chloride	4.533	4.542	-0.009	526167584	25.6	
3 Sulfate	6.217	6.242	-0.025	322278379	20.9	

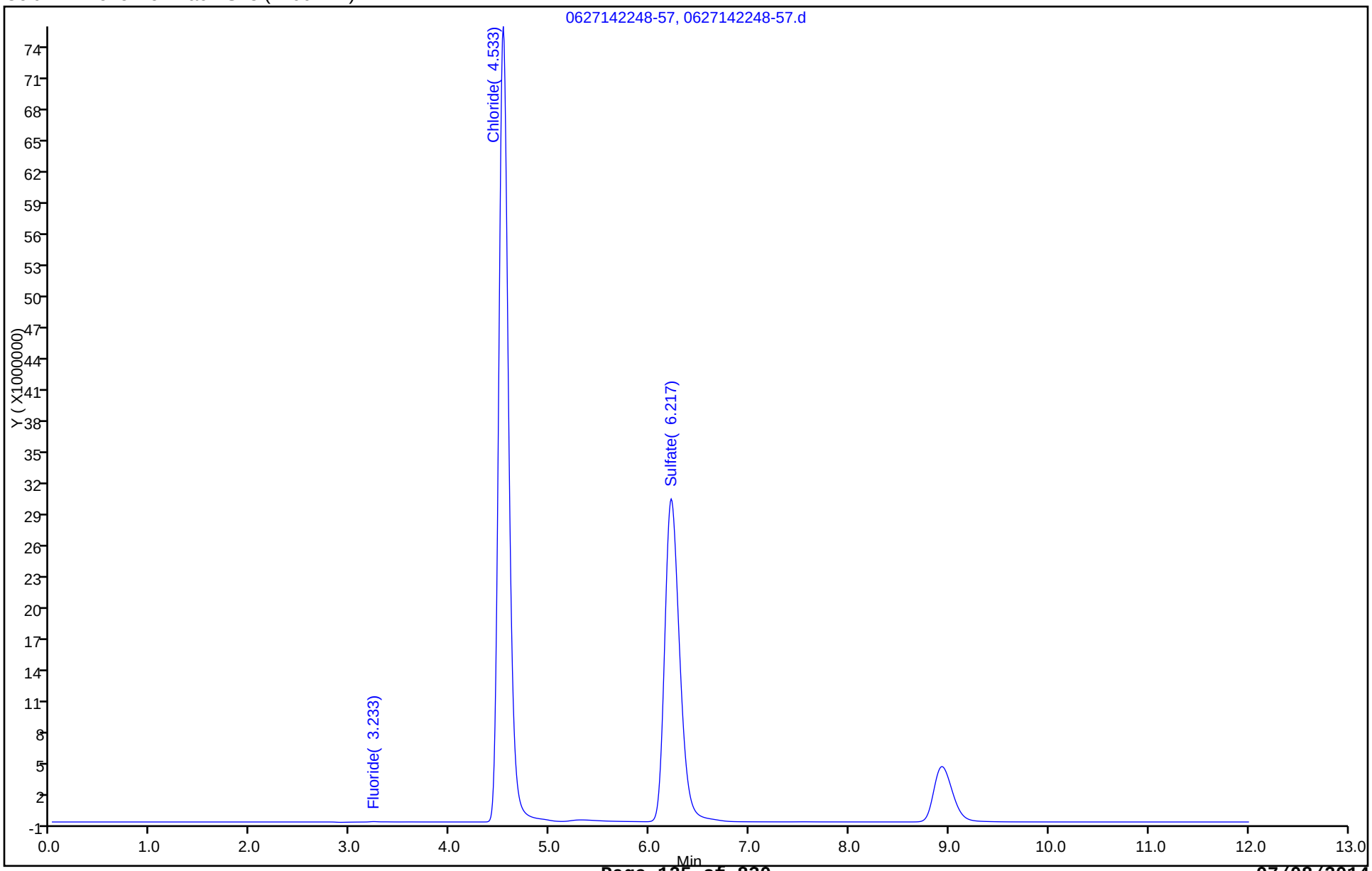
Report Date: 30-Jun-2014 10:11:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142248-57.d

Injection Date:	27-Jun-2014 22:48:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-12	Lab Sample ID:	680-102616-12	Worklist Smp#:	57
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12B Lab Sample ID: 680-102616-13

Matrix: Water Lab File ID: 0627142331-60.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 23:31

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

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

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

Analysis Batch No.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.085	J	0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142331-60.d				
Lims ID:	680-102616-F-13	Lab Sample ID:	680-102616-13		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 23:31:00	ALS Bottle#:	0	Worklist Smp#:	60
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-F-13 1L062714 connie				
Misc. Info.:	760 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.225	3.242	-0.017	2627891	0.0852	
2 Chloride	4.492	4.542	-0.050	5124025797	248.5	E
3 Sulfate	6.017	6.242	-0.225	3087536135	200.6	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

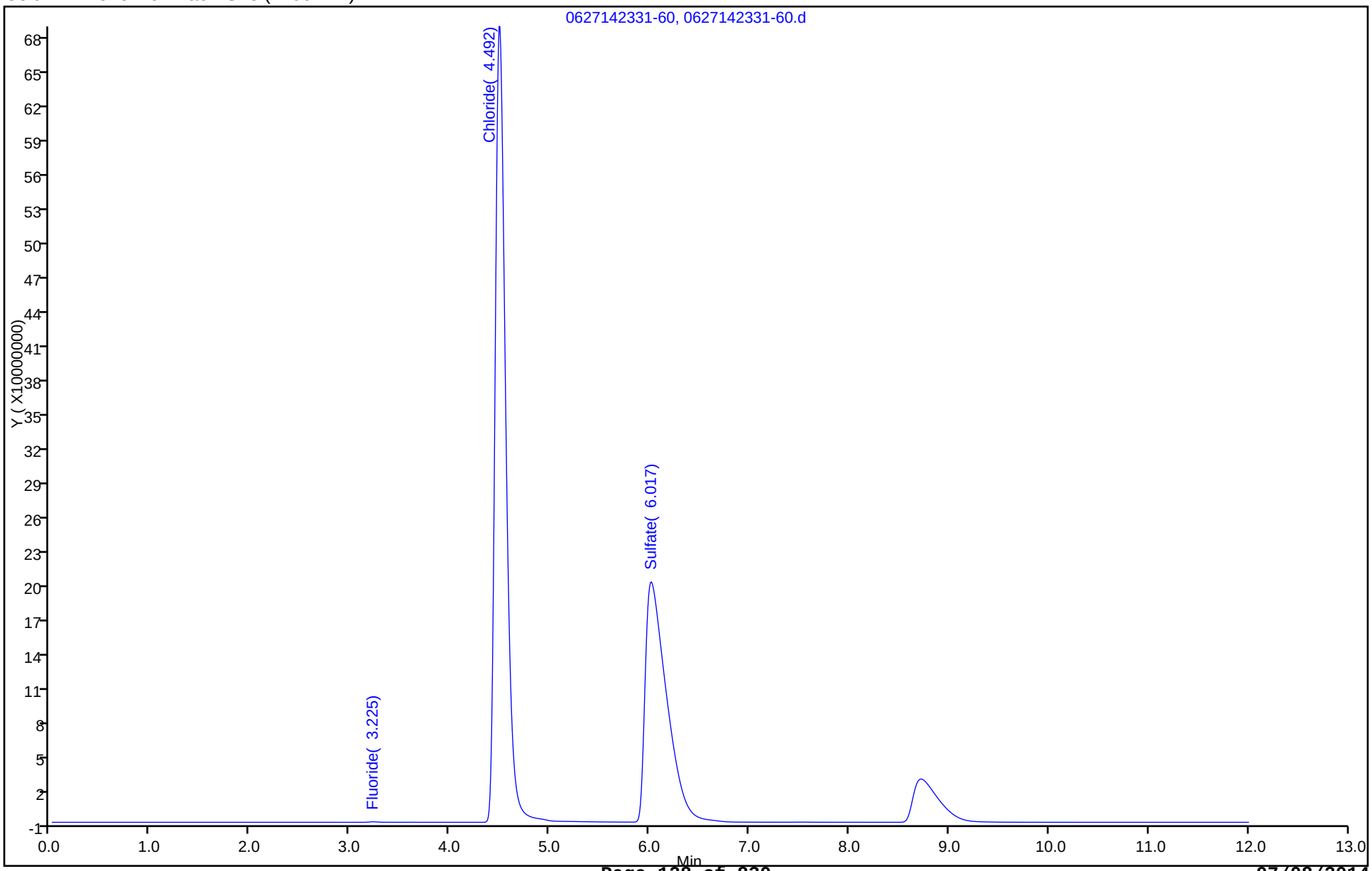
Report Date: 30-Jun-2014 10:11:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142331-60.d

Injection Date:	27-Jun-2014 23:31:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-13	Lab Sample ID:	680-102616-13	Worklist Smp#:	60
Client ID:	SMSMW12B				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12B Lab Sample ID: 680-102616-13

Matrix: Water Lab File ID: 0627142346-61.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 23:46

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	210		10	5.0
16887-00-6	Chloride	250		10	5.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142346-61.d				
Lims ID:	680-102616-F-13	Lab Sample ID:	680-102616-13		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	27-Jun-2014 23:46:00	ALS Bottle#:	0	Worklist Smp#:	61
Injection Vol:	25.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-102616-F-13 1L062714 connie				
Misc. Info.:	20938 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.233	3.242	-0.009	134800	0.0104	
2 Chloride	4.533	4.542	-0.009	258724783	12.6	
3 Sulfate	6.233	6.242	-0.009	159680544	10.4	

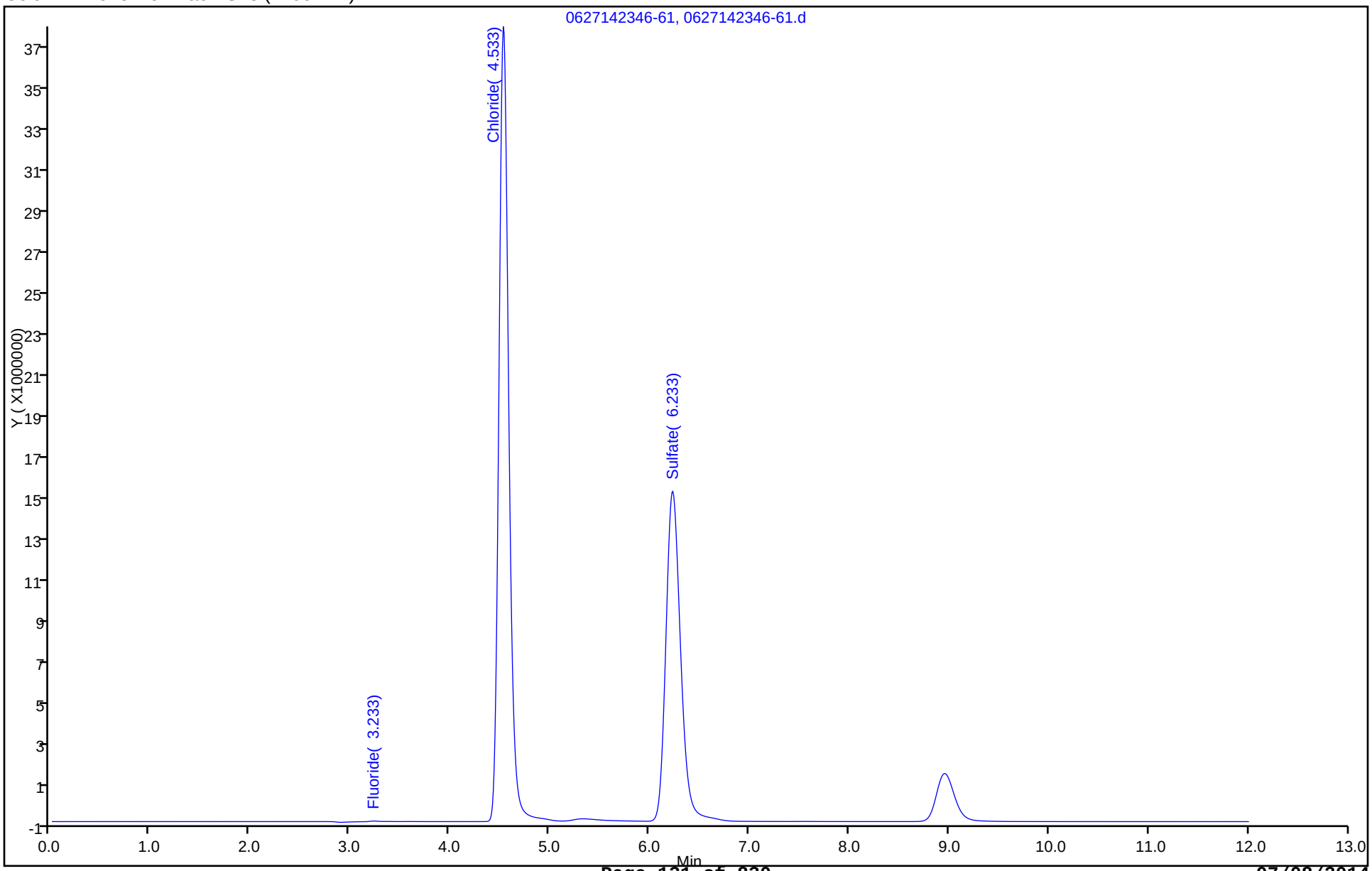
Report Date: 30-Jun-2014 10:11:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142346-61.d

Injection Date:	27-Jun-2014 23:46:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-13	Lab Sample ID:	680-102616-13	Worklist Smp#:	61
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	20.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07B Lab Sample ID: 680-102616-14

Matrix: Water Lab File ID: 0628140000-62.d

Analysis Method: 300.0 Date Collected: 06/23/2014 12:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 00:00

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1000		50	25
16984-48-8	Fluoride	<2.5		10	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140000-62.d				
Lims ID:	680-102616-F-14	Lab Sample ID:	680-102616-14		
Client ID:	SMSMW07B				
Sample Type:	Client				
Inject. Date:	28-Jun-2014 00:00:00	ALS Bottle#:	0	Worklist Smp#:	62
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-102616-F-14 1L062714 connie				
Misc. Info.:	14193 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.225	3.242	-0.017	323194	0.0160	
2 Chloride	4.492	4.542	-0.050	7763620902	376.4	E
3 Sulfate	6.242	6.242	0.000	156922545	10.2	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

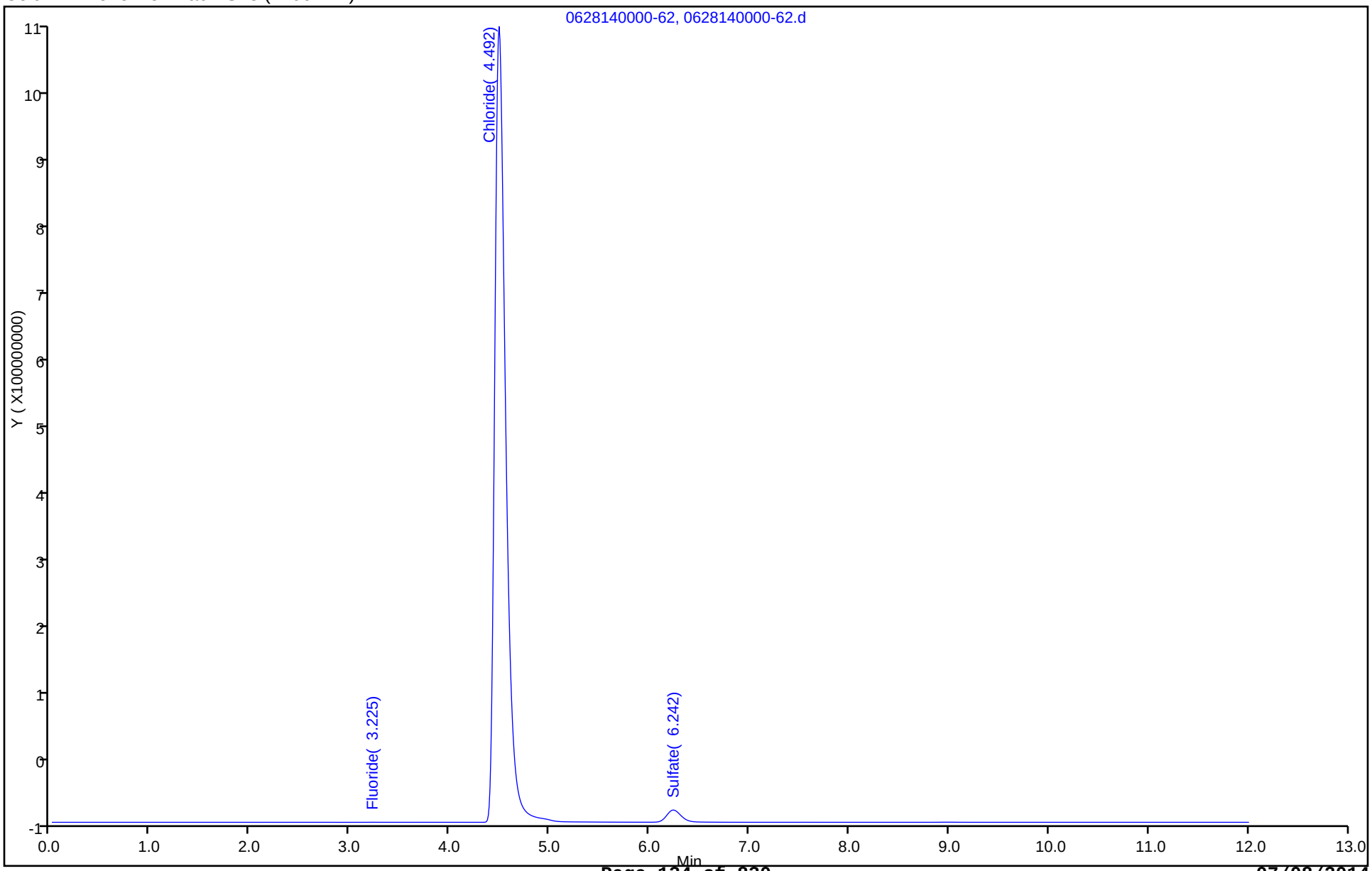
Report Date: 30-Jun-2014 10:11:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140000-62.d

Injection Date:	28-Jun-2014 00:00:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-14	Lab Sample ID:	680-102616-14	Worklist Smp#:	62
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07B Lab Sample ID: 680-102616-14

Matrix: Water Lab File ID: 0628140029-64.d

Analysis Method: 300.0 Date Collected: 06/23/2014 12:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 00:29

Con. Extract Vol.: 5(mL) Dilution Factor: 2000

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

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

Analysis Batch No.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	38000		1000	500

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140029-64.d				
Lims ID:	680-102616-F-14	Lab Sample ID:	680-102616-14		
Client ID:	SMSMW07B				
Sample Type:	Client				
Inject. Date:	28-Jun-2014 00:29:00	ALS Bottle#:	0	Worklist Smp#:	64
Injection Vol:	25.0 ul	Dil. Factor:	2000.0000		
Sample Info:	680-102616-F-14 1L062714 connie				
Misc. Info.:	5001 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
2 Chloride	4.533	4.542	-0.009	390781406	19.0	
3 Sulfate	6.250	6.242	0.008	5977300	0.3961	

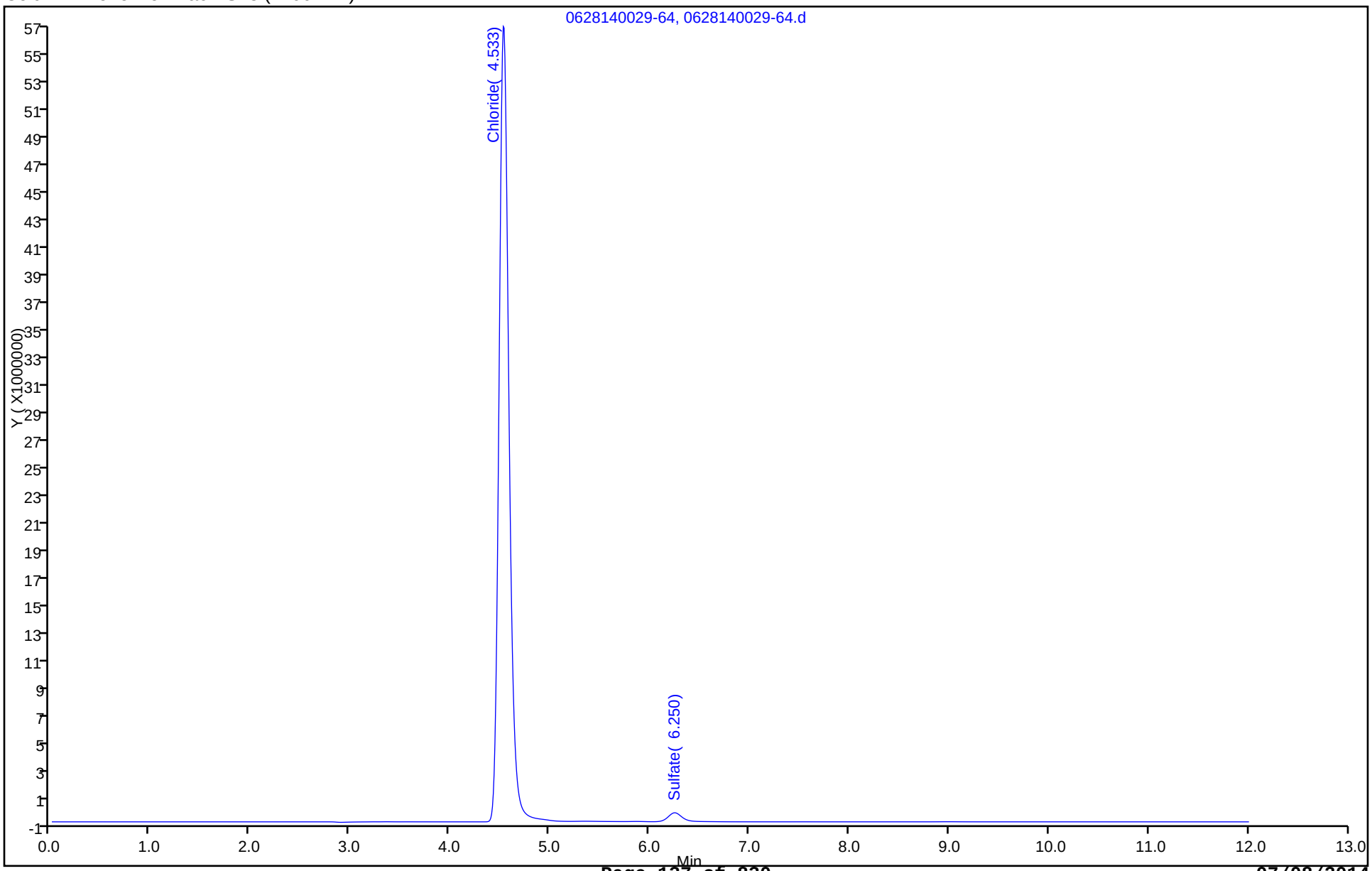
Report Date: 30-Jun-2014 10:11:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140029-64.d

Injection Date:	28-Jun-2014 00:29:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-14	Lab Sample ID:	680-102616-14	Worklist Smp#:	64
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	2000.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B Lab Sample ID: 680-102616-15

Matrix: Water Lab File ID: 0628140127-68.d

Analysis Method: 300.0 Date Collected: 06/23/2014 15:05

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 01:27

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	120		13	6.3
16984-48-8	Fluoride	150		2.5	0.63

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140127-68.d				
Lims ID:	680-102616-F-15	Lab Sample ID:	680-102616-15		
Client ID:	SMSMW11B				
Sample Type:	Client				
Inject. Date:	28-Jun-2014 01:27:00	ALS Bottle#:	0	Worklist Smp#:	68
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-102616-F-15 1L062714 connie				
Misc. Info.:	23919 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:06	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.242	0.008	193845146	5.82	
2 Chloride	4.508	4.542	-0.034	3251669439	157.7	E
3 Sulfate	6.242	6.233	0.009	74475456	4.85	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

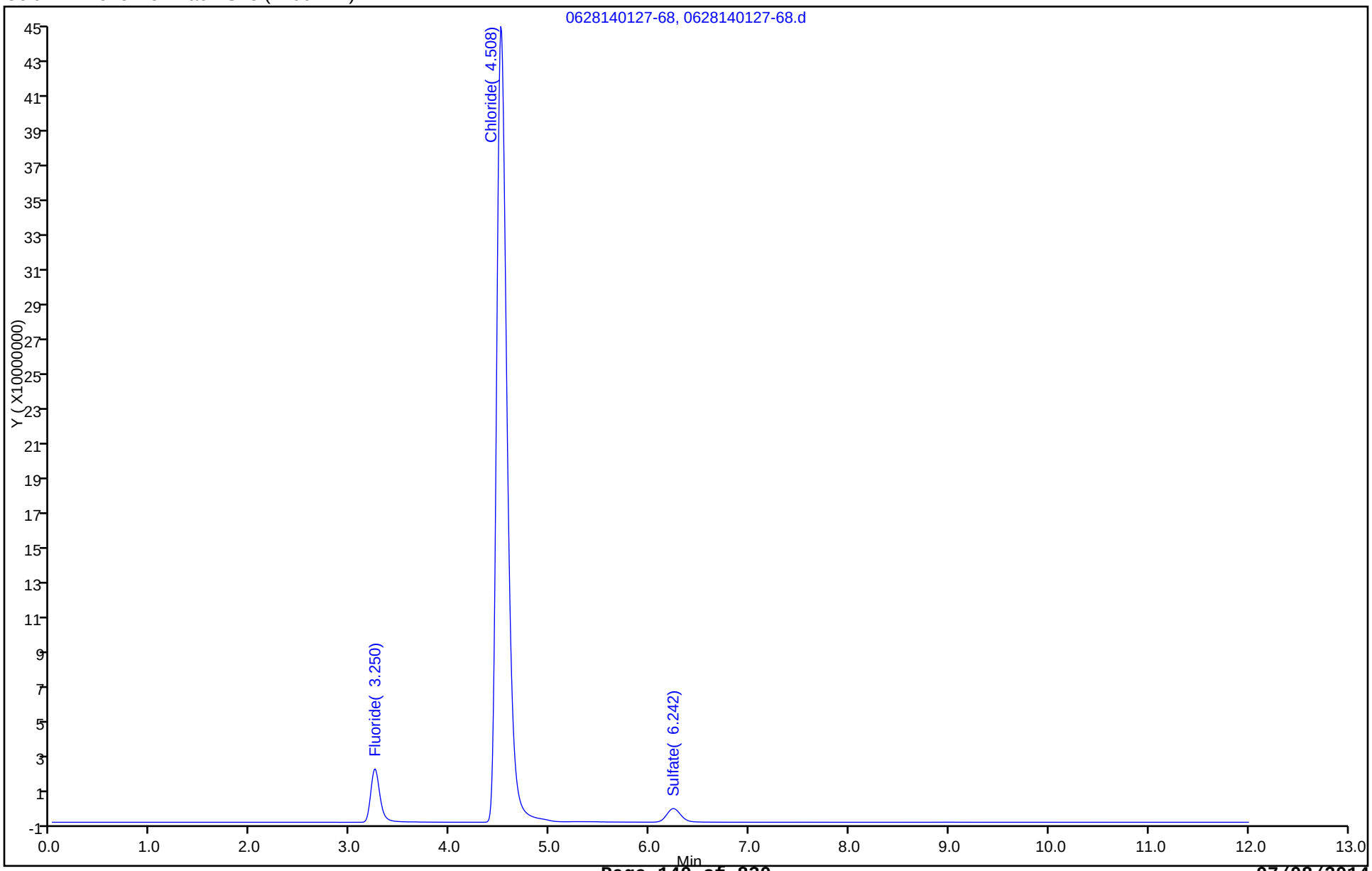
Report Date: 30-Jun-2014 10:11:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140127-68.d

Injection Date:	28-Jun-2014 01:27:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-15	Lab Sample ID:	680-102616-15	Worklist Smp#:	68
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B Lab Sample ID: 680-102616-15

Matrix: Water Lab File ID: 0628140141-69.d

Analysis Method: 300.0 Date Collected: 06/23/2014 15:05

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 01:41

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	3900		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140141-69.d				
Lims ID:	680-102616-F-15	Lab Sample ID:	680-102616-15		
Client ID:	SMSMW11B				
Sample Type:	Client				
Inject. Date:	28-Jun-2014 01:41:00	ALS Bottle#:	0	Worklist Smp#:	69
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-102616-F-15 1L062714 connie				
Misc. Info.:	5724 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:06	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	48028680	1.45	
2 Chloride	4.533	4.542	-0.009	801461229	38.9	
3 Sulfate	6.250	6.233	0.017	15896388	1.04	

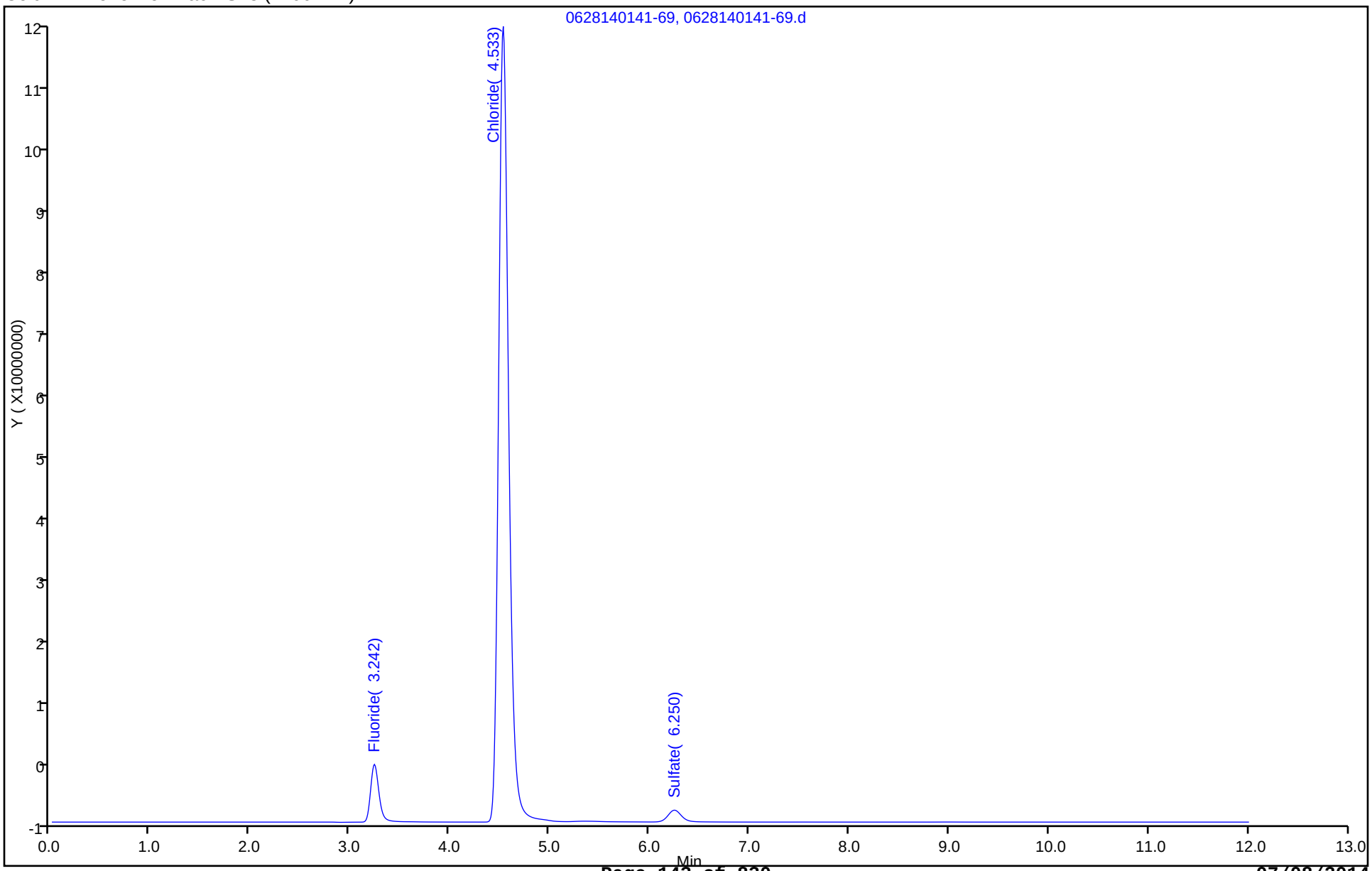
Report Date: 30-Jun-2014 10:11:07 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140141-69.d

Injection Date:	28-Jun-2014 01:41:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-15	Lab Sample ID:	680-102616-15	Worklist Smp#:	69
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



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

Lab Name: TestAmerica Savannah Job No.: 680-102616-1 Analy Batch No.: 330350

SDG No.:

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.: 680-102616-1 Analy Batch No.: 330350

SDG No.:

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.: 680-102616-1 Analy Batch No.: 330350

SDG No.:

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	

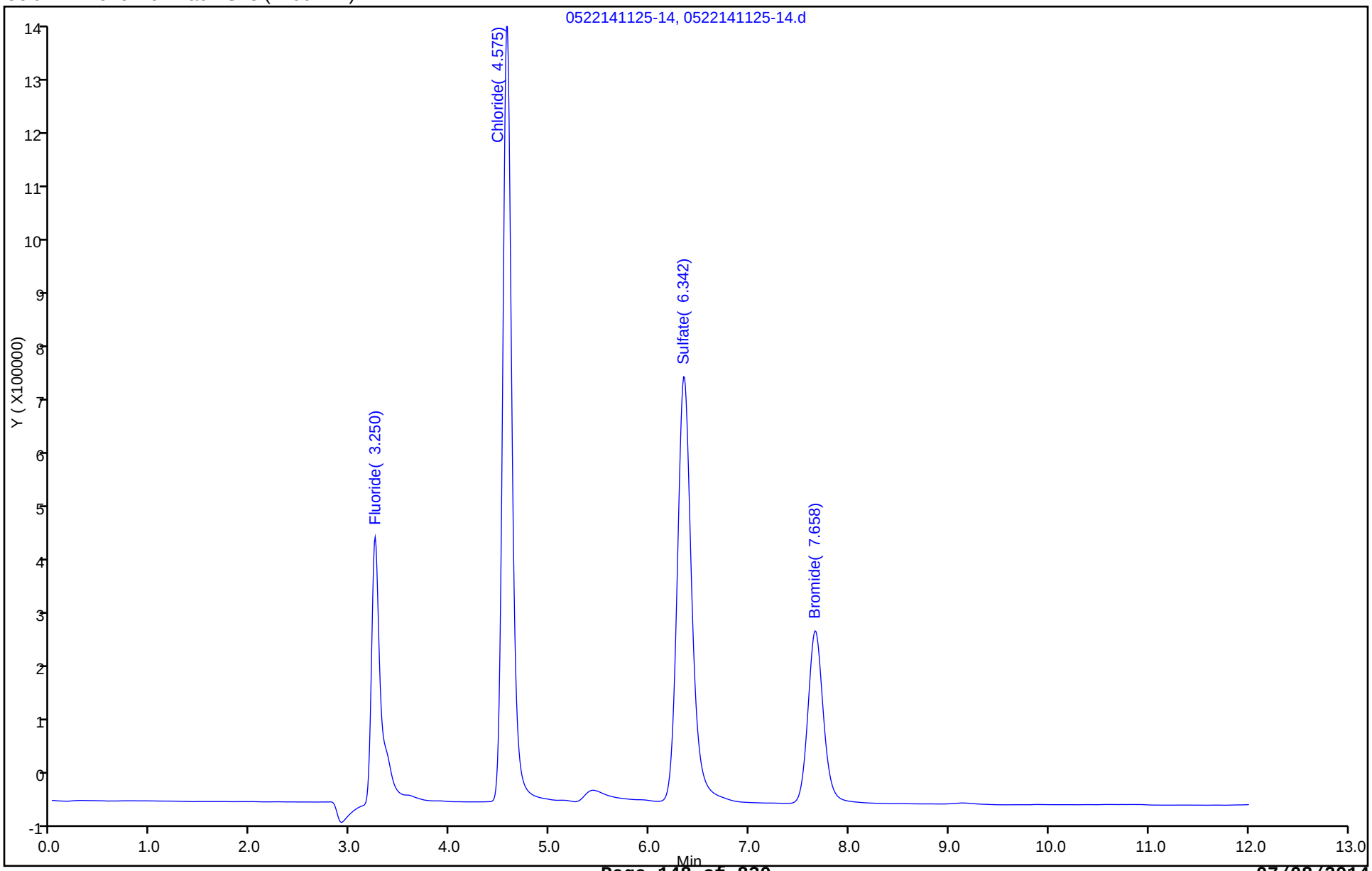
Report Date: 22-May-2014 14:01:01 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

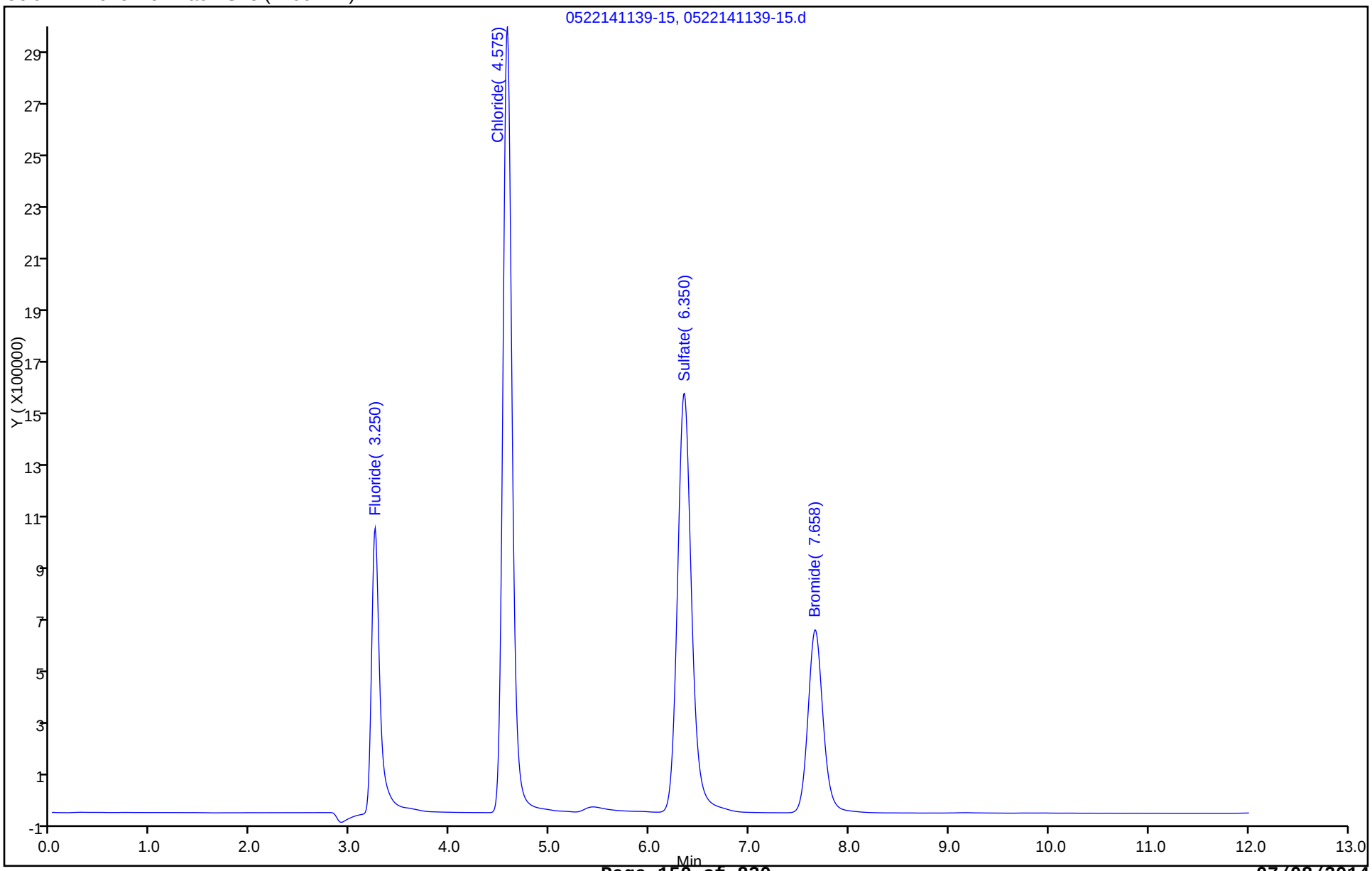
Report Date: 22-May-2014 14:01:02 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

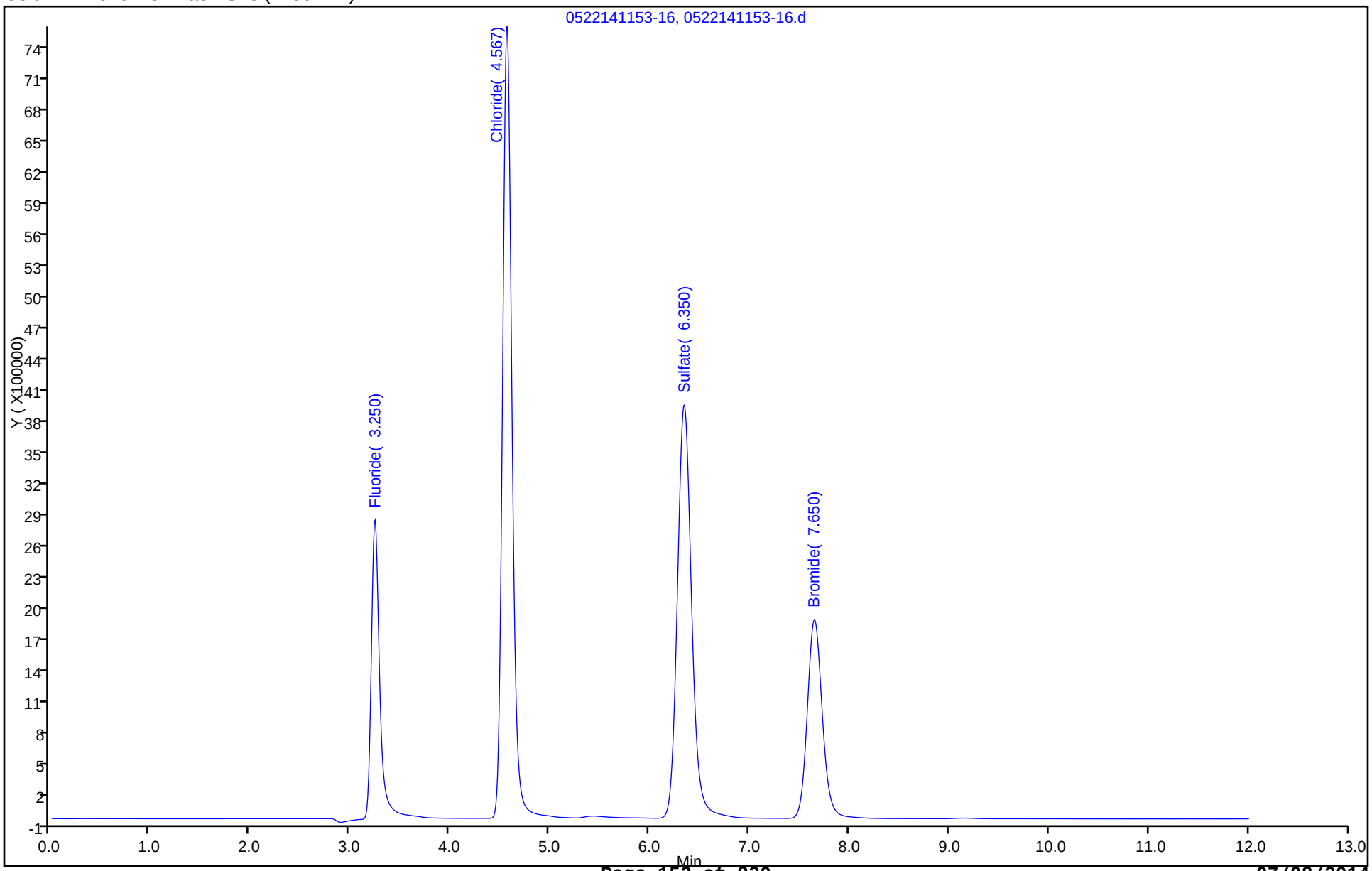
Report Date: 22-May-2014 14:01:02 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

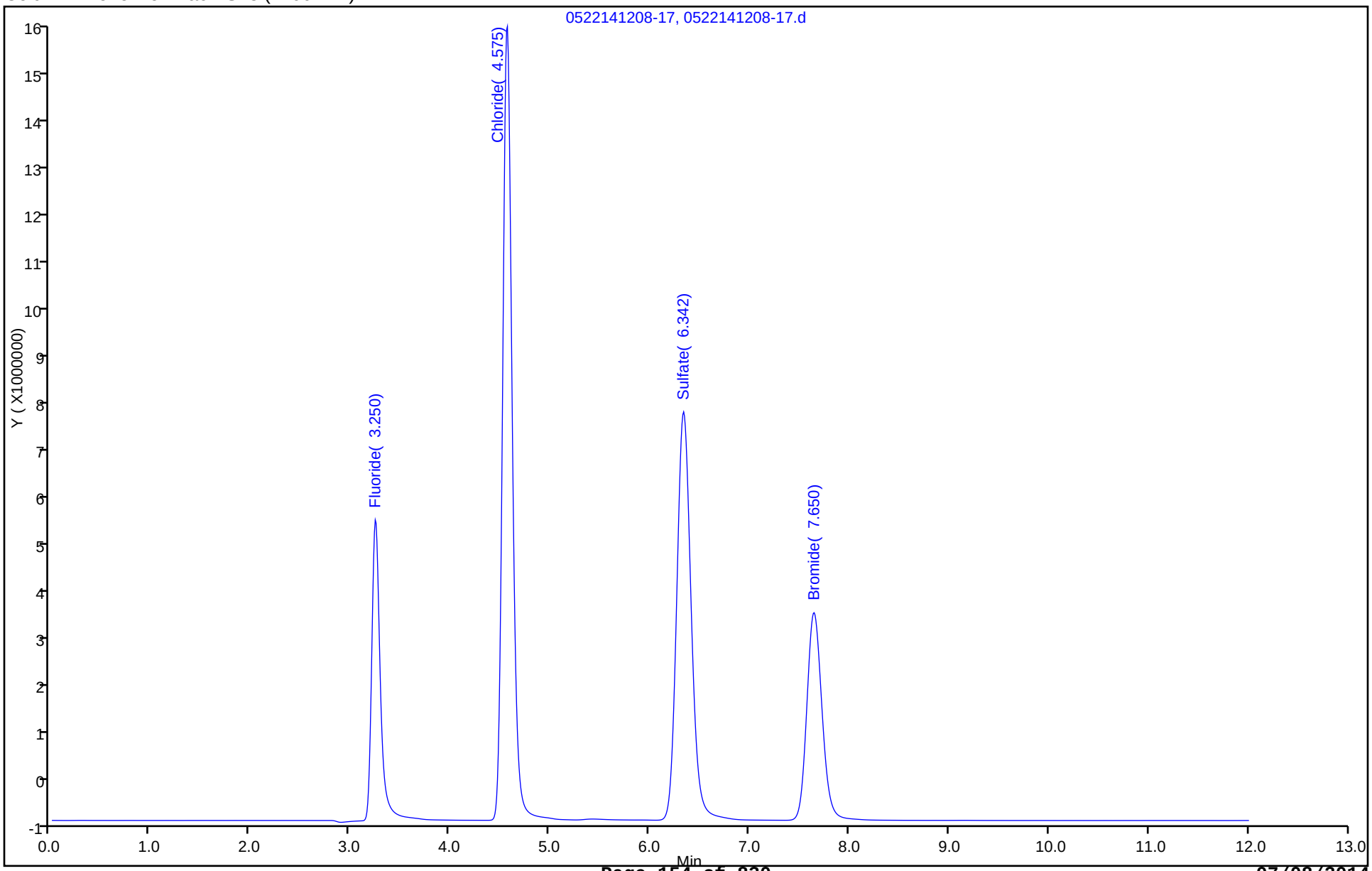
Report Date: 22-May-2014 14:01:03 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

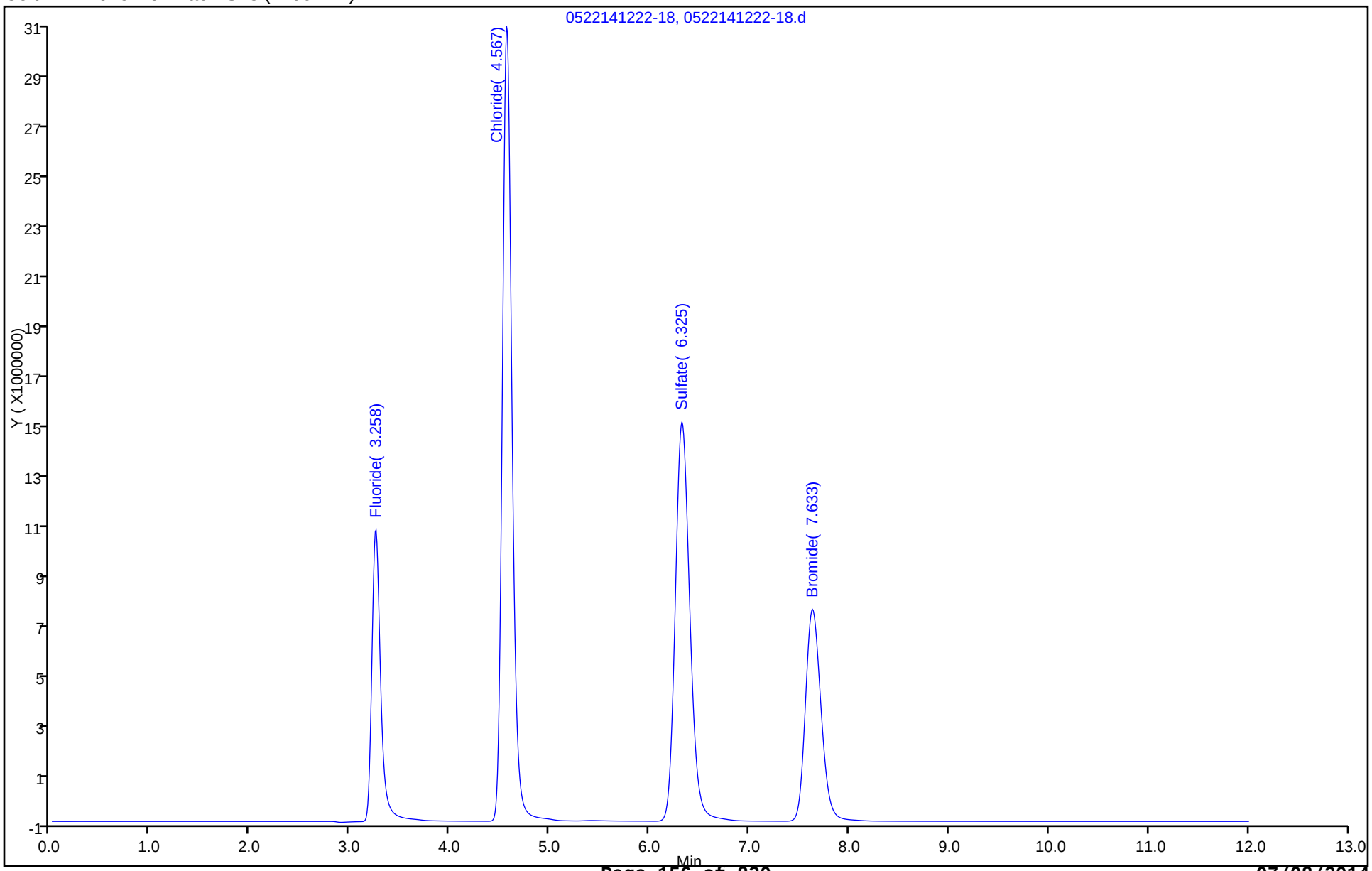
Report Date: 22-May-2014 14:01:03 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

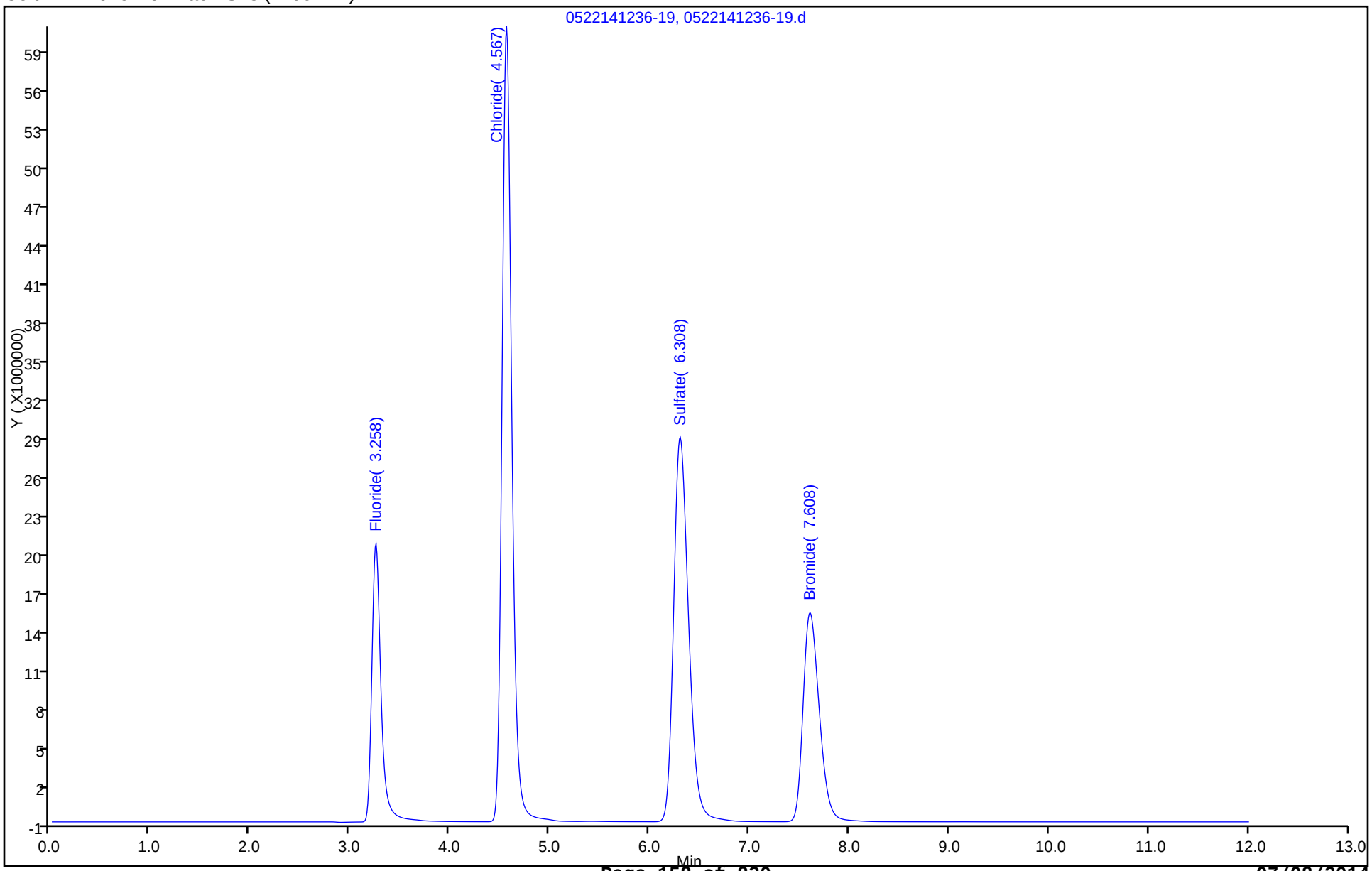
Report Date: 22-May-2014 14:01:04 Chrom Revision: 2.2 16-May-2014 10:46:48

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	

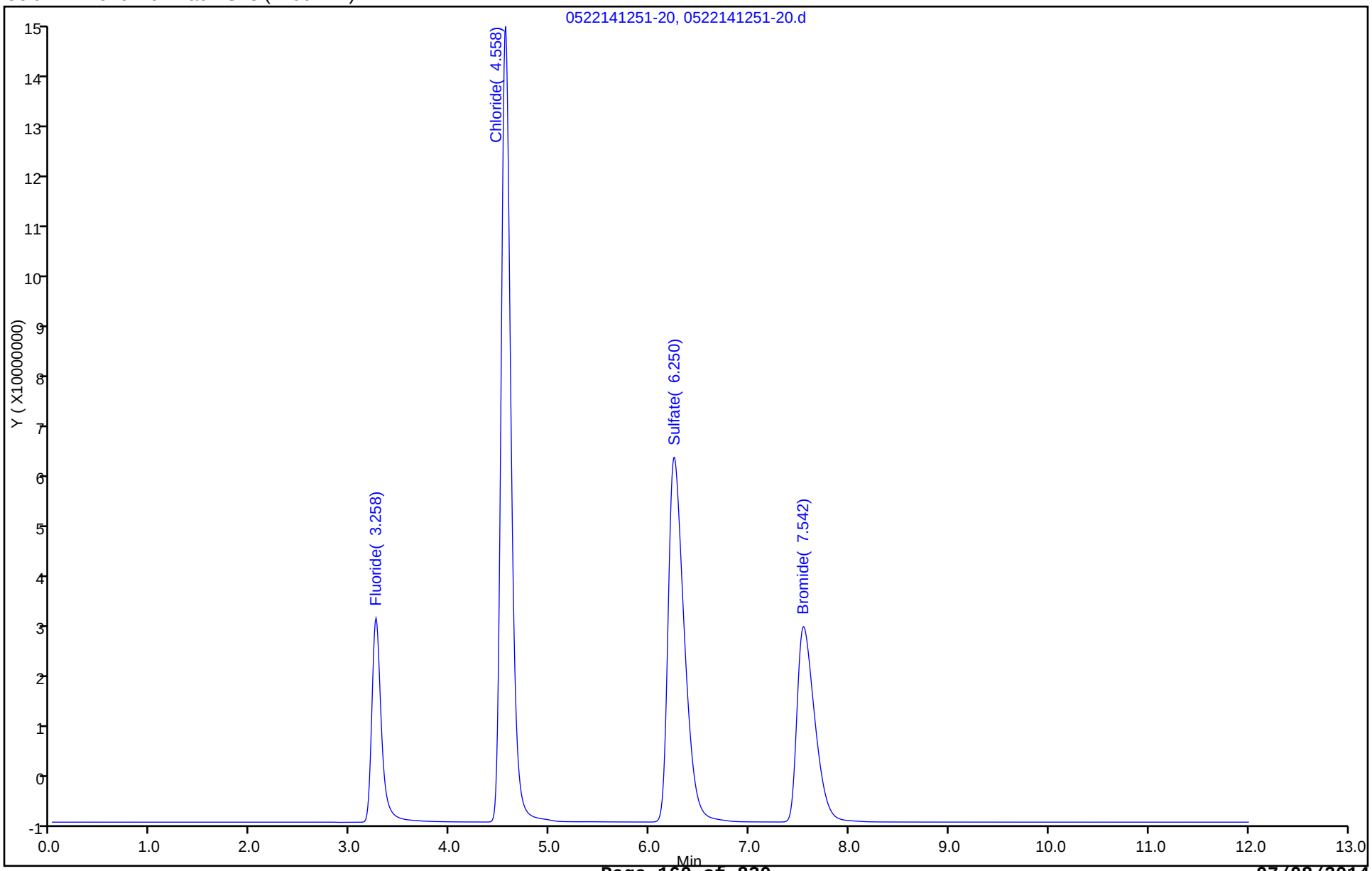
Report Date: 22-May-2014 14:01:04 Chrom Revision: 2.2 16-May-2014 10:46:48

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.: 680-102616-1

SDG No.:

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.: 680-102616-1

SDG No.:

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	

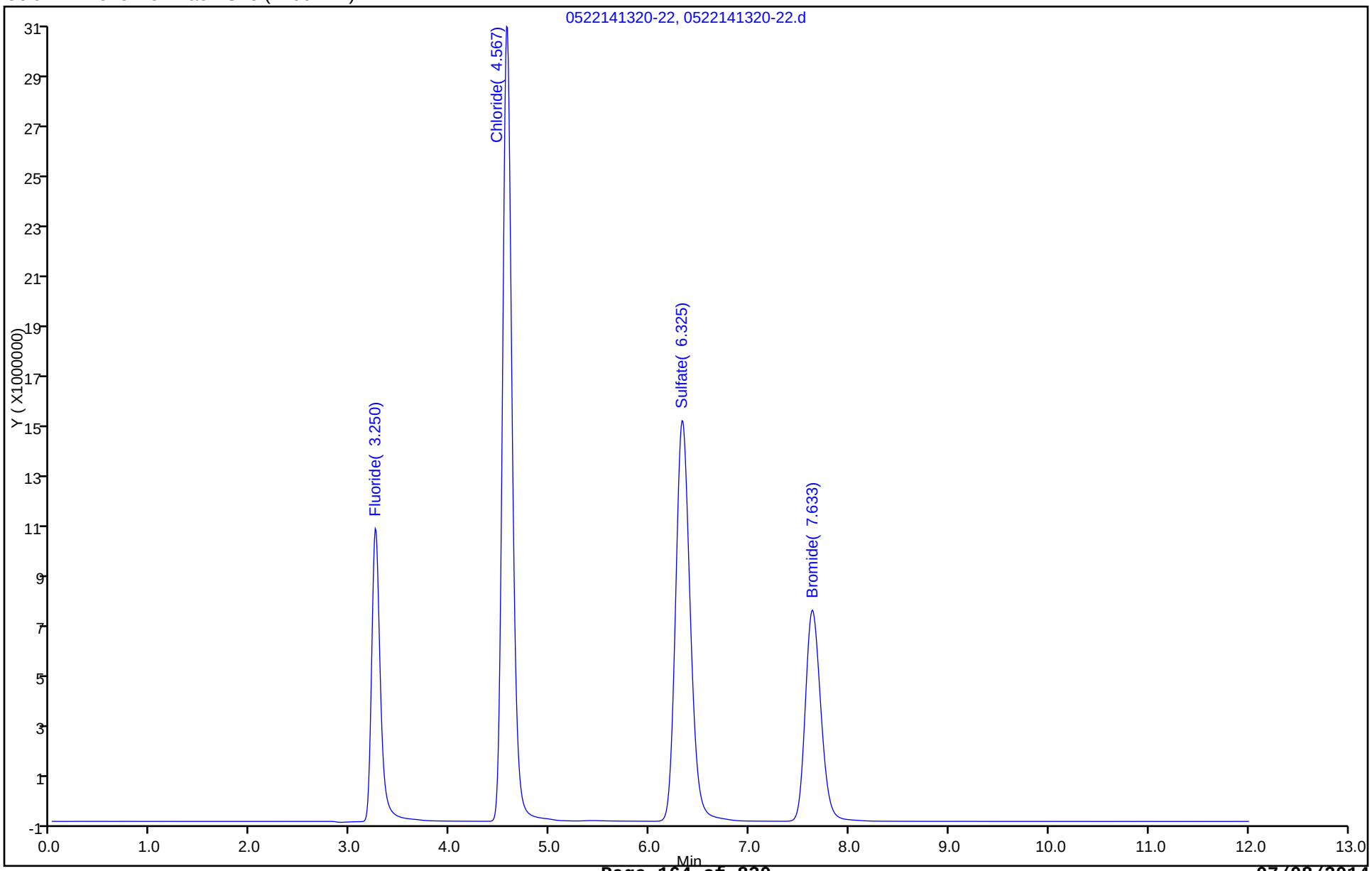
Report Date: 22-May-2014 14:01:05 Chrom Revision: 2.2 16-May-2014 10:46:48

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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/19 Calibration Date: 06/27/2014 13:41

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: 0627141341-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33810051		2.04	2.00	1.8	10.0
Chloride	Lin2		20456516		10.0	10.0	-0.0	10.0
Sulfate	Lin1		15129425		9.84	10.0	-1.6	10.0
Bromide	Lin2		8547635		9.97	10.0	-0.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/19 Calibration Date: 06/27/2014 13:41

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: 0627141341-19.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.53	4.28	4.78
Sulfate	6.24	5.99	6.49
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141341-19.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 13:41:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 5865 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 27-Jun-2014 14:35:29 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: XAWRK009

First Level Reviewer: thorntonp Date: 27-Jun-2014 14:28:42

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	67620101	2.00	2.04	
2 Chloride	4.533	4.533	0.000	204565157	10.0	10.0	
3 Sulfate	6.242	6.242	0.000	151294245	10.0	9.84	
4 Bromide	7.525	7.525	0.000	85476354	10.0	9.97	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

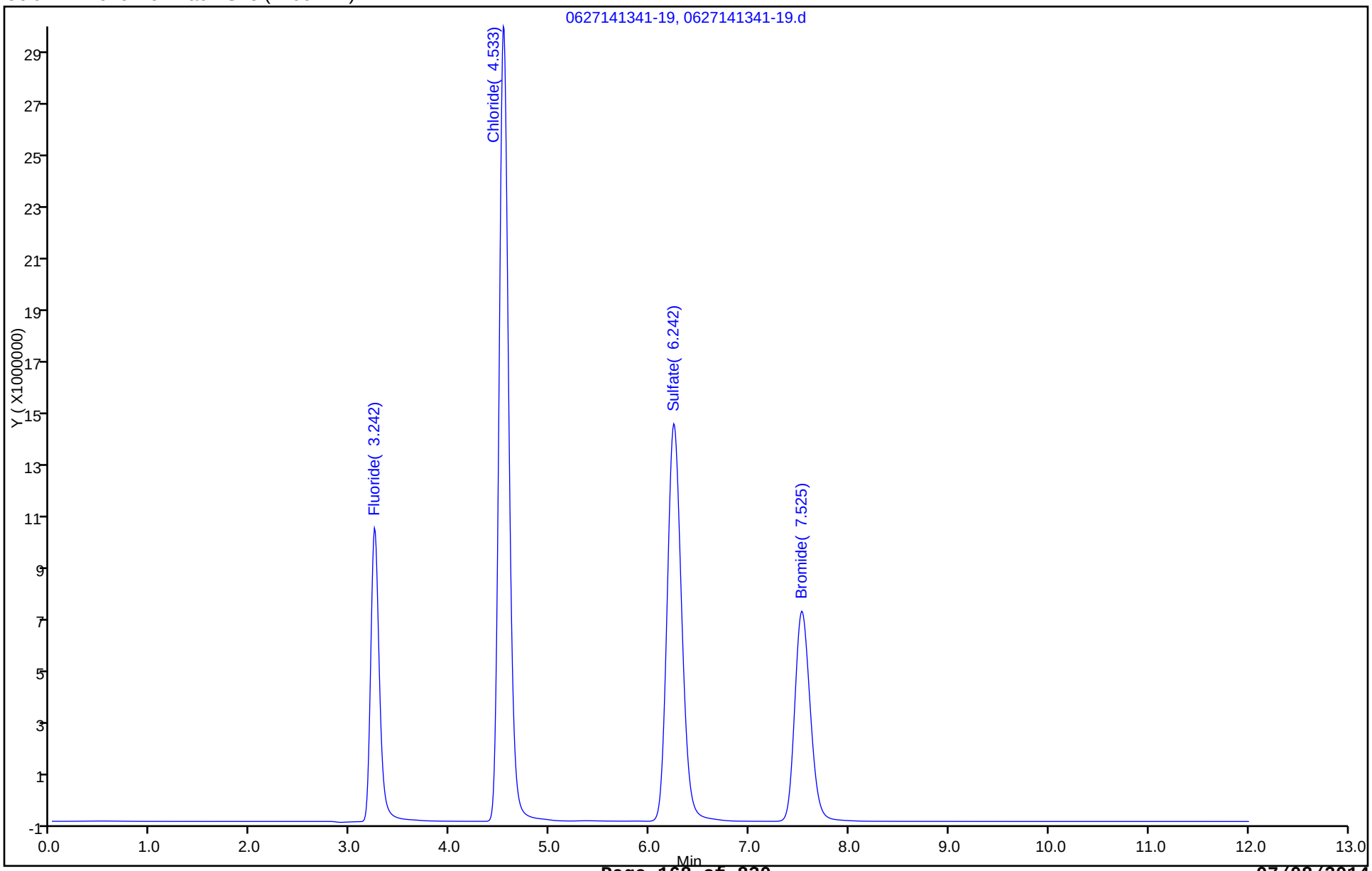
Report Date: 27-Jun-2014 14:35:29 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141341-19.d

Injection Date:	27-Jun-2014 13:41:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/33 Calibration Date: 06/27/2014 17:02

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: 0627141702-33.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33603714		2.02	2.00	1.2	10.0
Chloride	Lin2		20460859		10.0	10.0	-0.0	10.0
Sulfate	Lin1		15164851		9.86	10.0	-1.4	10.0
Bromide	Lin2		8547475		9.97	10.0	-0.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/33 Calibration Date: 06/27/2014 17:02

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: 0627141702-33.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
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\20140627-10526.b\0627141702-33.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 17:02:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 30533 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:10:55 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	67207428	2.00	2.02	
2 Chloride	4.542	4.542	0.000	204608586	10.0	10.0	
3 Sulfate	6.250	6.250	0.000	151648506	10.0	9.86	
4 Bromide	7.533	7.533	0.000	85474753	10.0	9.97	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

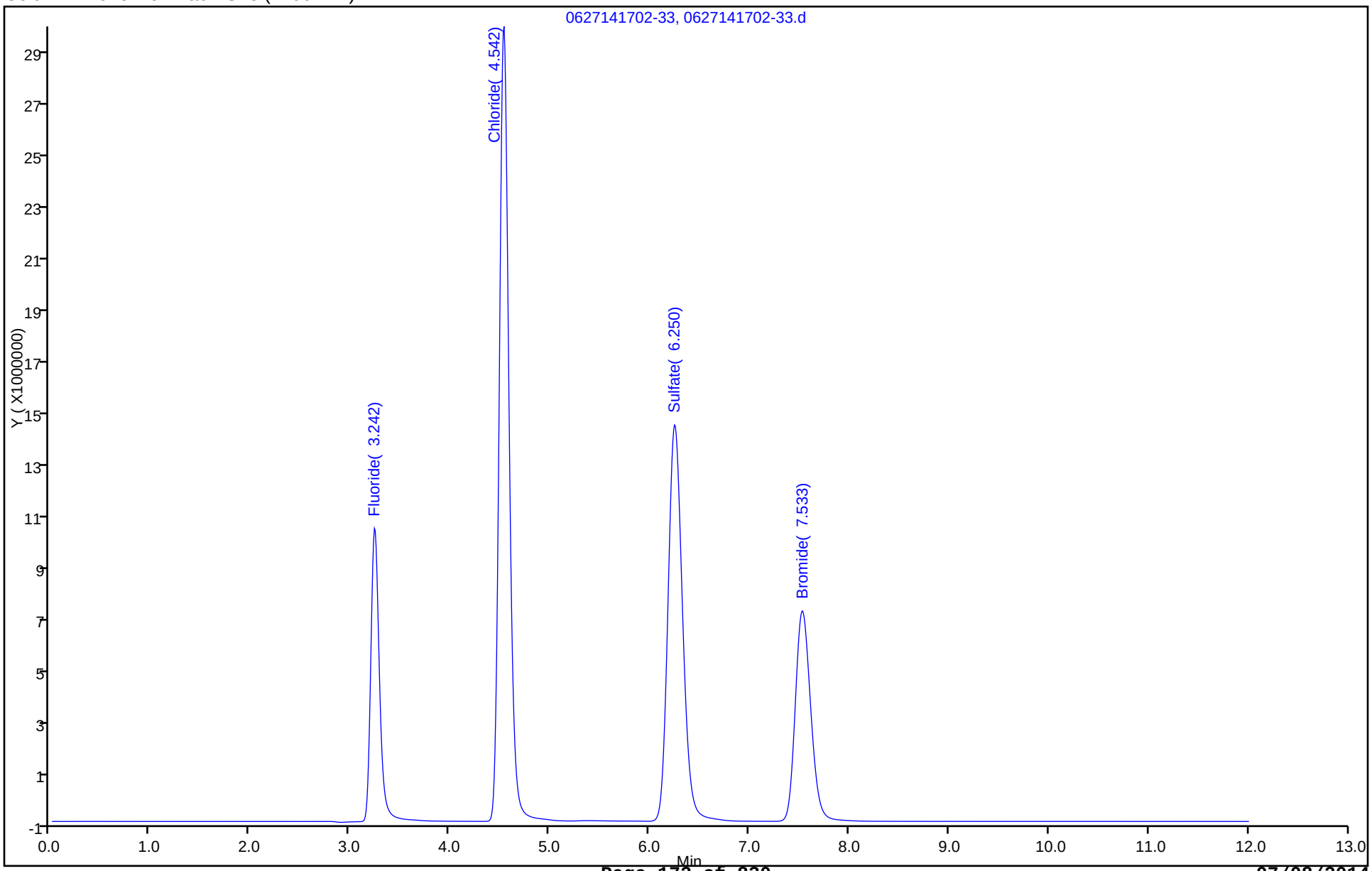
Report Date: 30-Jun-2014 10:10:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141702-33.d

Injection Date:	27-Jun-2014 17:02:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/45 Calibration Date: 06/27/2014 19:55

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: 0627141955-45.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33654464		2.03	2.00	1.3	10.0
Chloride	Lin2		20596457		10.1	10.0	0.6	10.0
Sulfate	Lin1		15215140		9.89	10.0	-1.1	10.0
Bromide	Lin2		8539117		9.96	10.0	-0.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/45 Calibration Date: 06/27/2014 19:55

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: 0627141955-45.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.54	4.29	4.79
Sulfate	6.24	5.99	6.49
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141955-45.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 19:55:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 27972 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:10:58 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	67308927	2.00	2.03	
2 Chloride	4.542	4.542	0.000	205964570	10.0	10.1	
3 Sulfate	6.242	6.242	0.000	152151397	10.0	9.89	
4 Bromide	7.525	7.525	0.000	85391169	10.0	9.96	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

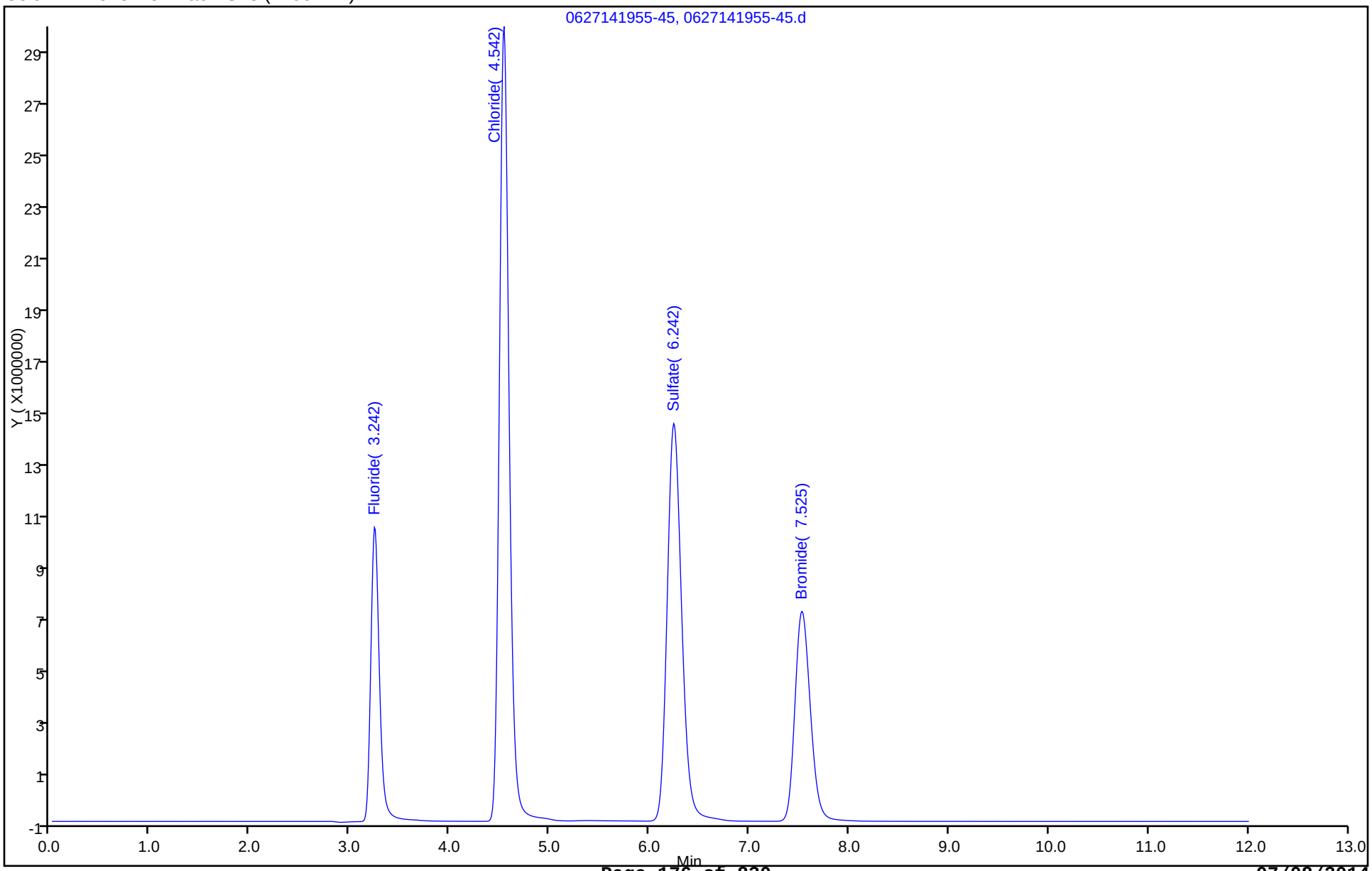
Report Date: 30-Jun-2014 10:10:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141955-45.d

Injection Date:	27-Jun-2014 19:55:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	45
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/52 Calibration Date: 06/27/2014 21:36

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: 0627142136-52.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33935492		2.04	2.00	2.2	10.0
Chloride	Lin2		20397333		9.97	10.0	-0.3	10.0
Sulfate	Lin1		15464583		10.1	10.0	0.6	10.0
Bromide	Lin2		8522012		9.94	10.0	-0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/52 Calibration Date: 06/27/2014 21:36

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: 0627142136-52.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33935492		2.04	2.00	2.2	10.0
Chloride	Lin2		20397333		9.97	10.0	-0.3	10.0
Sulfate	Lin1		15464583		10.1	10.0	0.6	10.0
Bromide	Lin2		8522012		9.94	10.0	-0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336664/52 Calibration Date: 06/27/2014 21:36

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: 0627142136-52.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.54	4.29	4.79
Sulfate	6.24	5.99	6.49
Bromide	7.53	7.28	7.78

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/52 Calibration Date: 06/27/2014 21:36

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: 0627142136-52.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.54	4.29	4.79
Sulfate	6.24	5.99	6.49
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142136-52.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 21:36:00 ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 24677 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:00 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	67870983	2.00	2.04	
2 Chloride	4.542	4.542	0.000	203973328	10.0	9.97	
3 Sulfate	6.242	6.242	0.000	154645826	10.0	10.1	
4 Bromide	7.533	7.533	0.000	85220122	10.0	9.94	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142136-52.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	27-Jun-2014 21:36:00	ALS Bottle#:	0	Worklist Smp#:	52
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L062714 connie				
Misc. Info.:	24677 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	67870983	2.00	2.04	
2 Chloride	4.542	4.542	0.000	203973328	10.0	9.97	
3 Sulfate	6.242	6.242	0.000	154645826	10.0	10.1	
4 Bromide	7.533	7.533	0.000	85220122	10.0	9.94	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

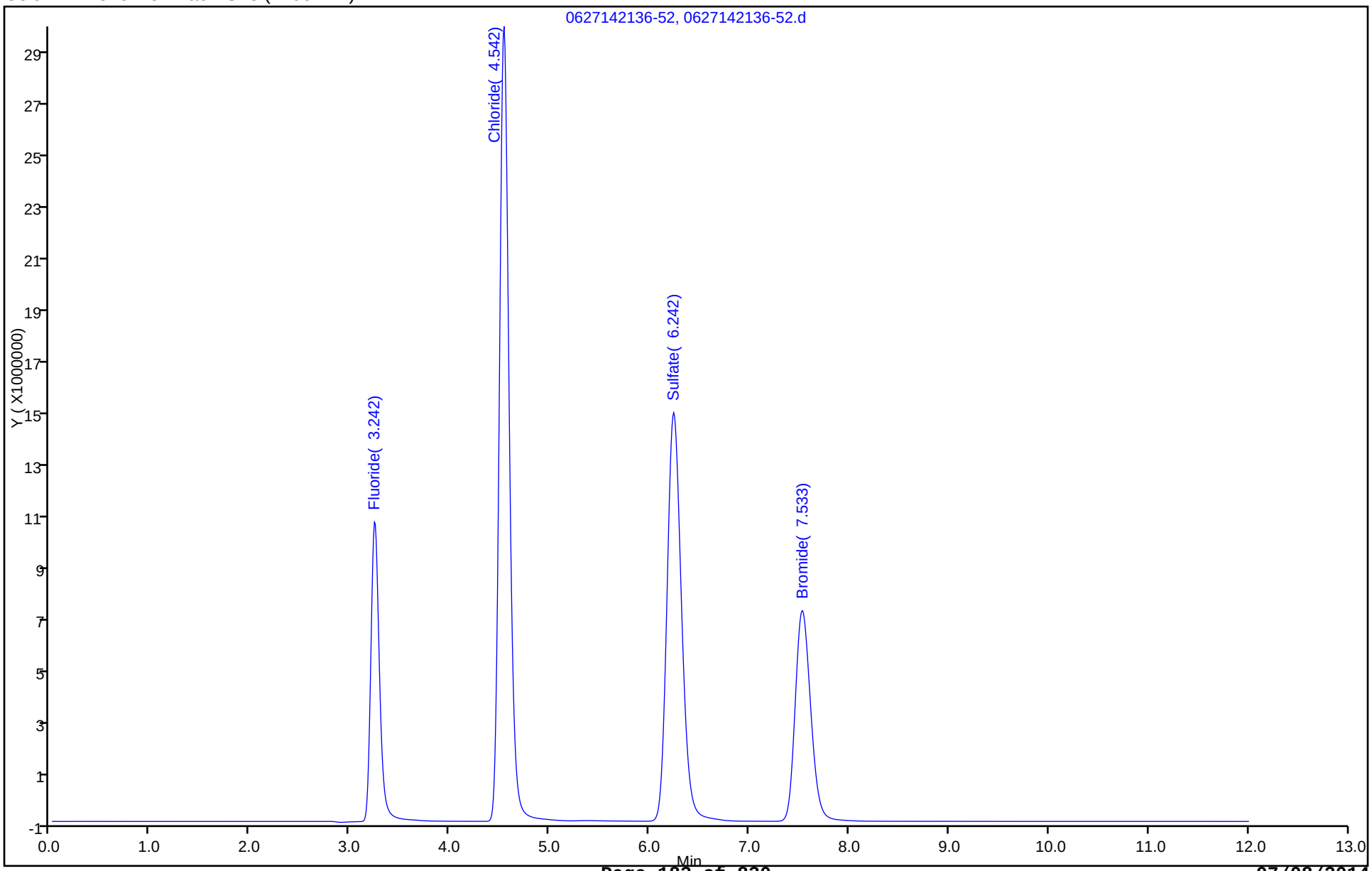
Report Date: 30-Jun-2014 10:11:00 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142136-52.d

Injection Date:	27-Jun-2014 21:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	52
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



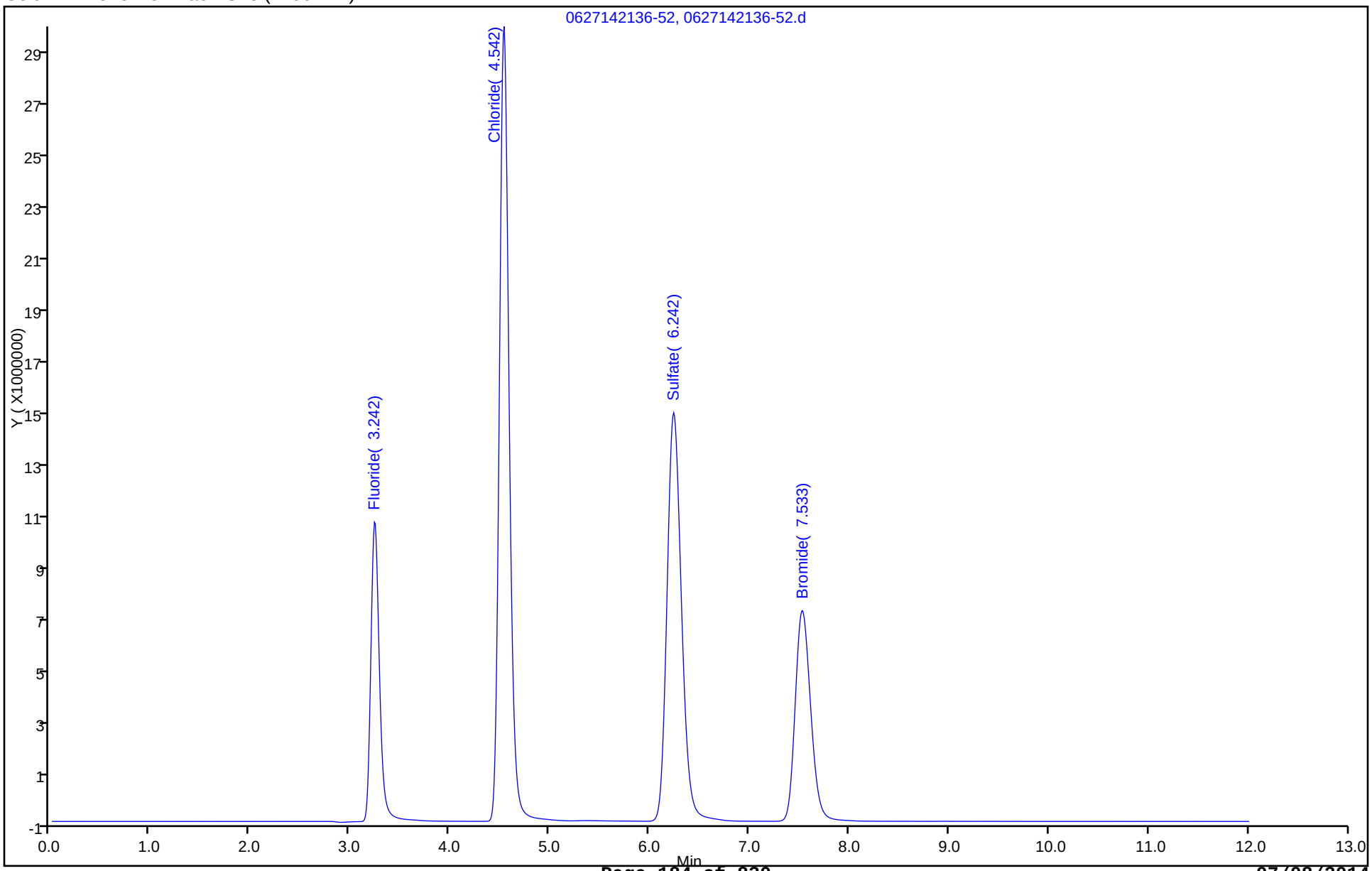
Report Date: 30-Jun-2014 10:11:00 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142136-52.d

Injection Date:	27-Jun-2014 21:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	52
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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/66 Calibration Date: 06/28/2014 00:58

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: 0628140058-66.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34012289		2.05	2.00	2.4	10.0
Chloride	Lin2		20414579		9.98	10.0	-0.2	10.0
Sulfate	Lin1		15577781		10.1	10.0	1.3	10.0
Bromide	Lin2		8509984		9.93	10.0	-0.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/66 Calibration Date: 06/28/2014 00:58

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: 0628140058-66.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.54	4.29	4.79
Sulfate	6.23	5.98	6.48
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140058-66.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 28-Jun-2014 00:58:00 ALS Bottle#: 0 Worklist Smp#: 66
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 5219 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:06 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68024577	2.00	2.05	
2 Chloride	4.542	4.542	0.000	204145791	10.0	9.98	
3 Sulfate	6.233	6.233	0.000	155777805	10.0	10.1	
4 Bromide	7.525	7.525	0.000	85099838	10.0	9.93	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

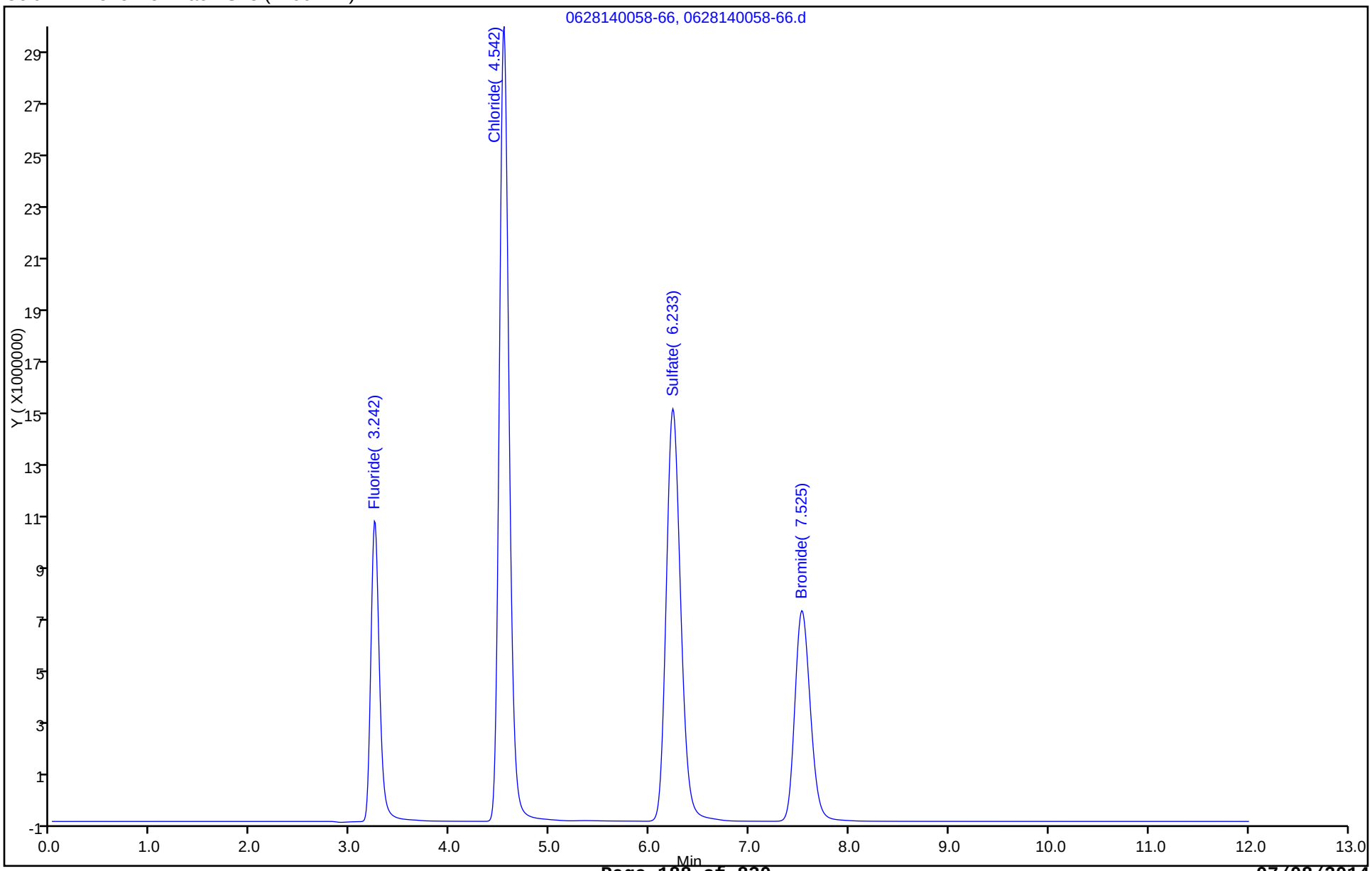
Report Date: 30-Jun-2014 10:11:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140058-66.d

Injection Date:	28-Jun-2014 00:58:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	66
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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/70 Calibration Date: 06/28/2014 01:55

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: 0628140155-70.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34095806		2.05	2.00	2.7	10.0
Chloride	Lin2		20371140		9.96	10.0	-0.4	10.0
Sulfate	Lin1		15610775		10.2	10.0	1.5	10.0
Bromide	Lin2		8498704		9.92	10.0	-0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336665/70 Calibration Date: 06/28/2014 01:55

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: 0628140155-70.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.24	2.99	3.49
Chloride	4.54	4.29	4.79
Sulfate	6.23	5.98	6.48
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140155-70.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 28-Jun-2014 01:55:00 ALS Bottle#: 0 Worklist Smp#: 70
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L062714 connie
Misc. Info.: 9139 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:07 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68191612	2.00	2.05	
2 Chloride	4.542	4.542	0.000	203711401	10.0	9.96	
3 Sulfate	6.233	6.233	0.000	156107745	10.0	10.2	
4 Bromide	7.525	7.525	0.000	84987036	10.0	9.92	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

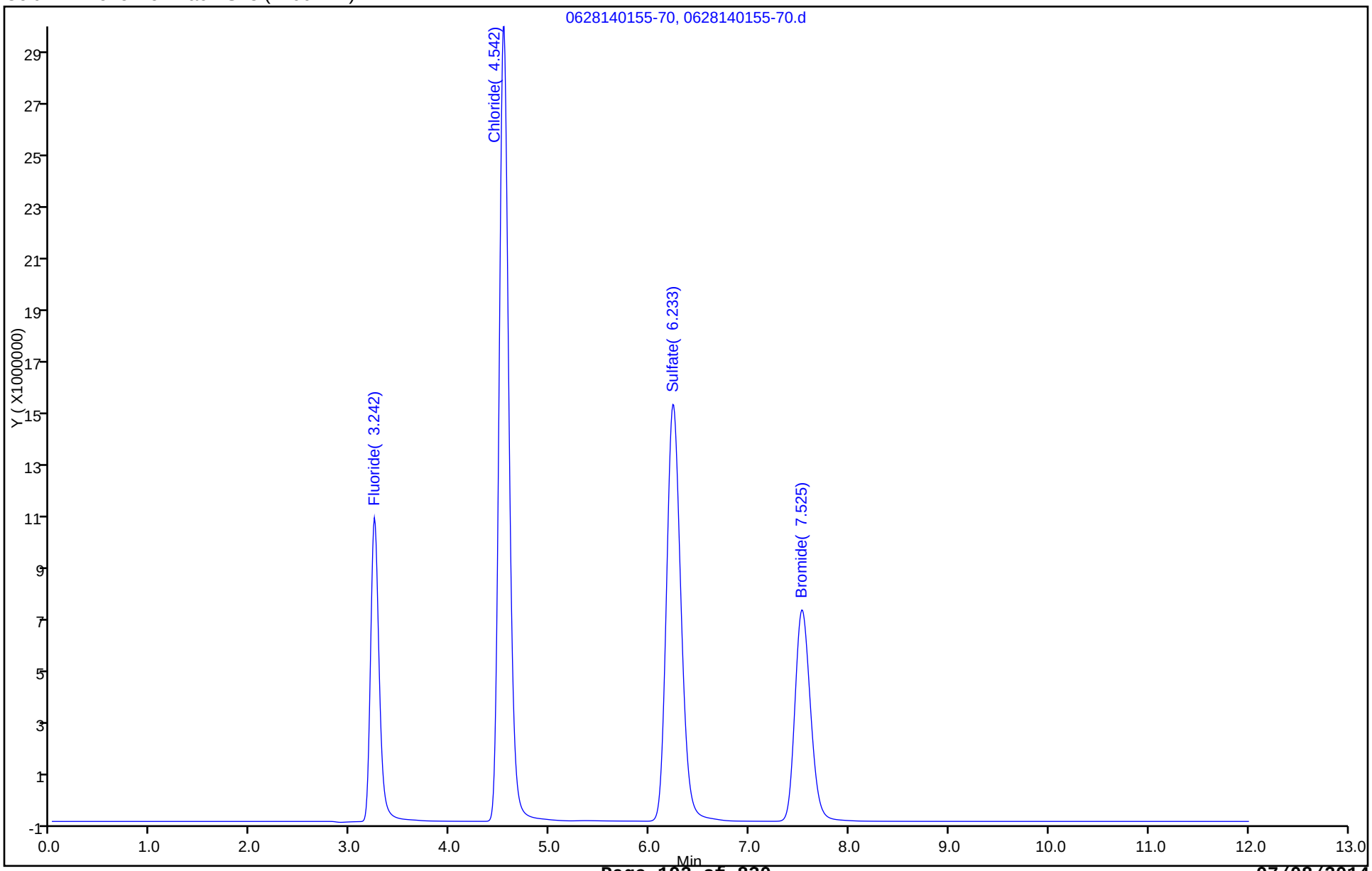
Report Date: 30-Jun-2014 10:11:07 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140155-70.d

Injection Date:	28-Jun-2014 01:55:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	70
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336877/4 Calibration Date: 06/30/2014 10:38

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: 0630141038-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34164779		2.06	2.00	2.9	10.0
Chloride	Lin2		20578890		10.1	10.0	0.6	10.0
Sulfate	Lin1		15941605		10.4	10.0	3.7	10.0
Bromide	Lin2		8616140		10.1	10.0	0.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336877/4 Calibration Date: 06/30/2014 10:38

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: 0630141038-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.53	4.28	4.78
Sulfate	6.23	5.98	6.48
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141038-4.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	30-Jun-2014 10:38:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L063014 connie				
Misc. Info.:	4 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	01-Jul-2014 10:31:57	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:	XAWRK012				

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	68329558	2.00	2.06	
2 Chloride	4.533	4.533	0.000	205788901	10.0	10.1	
3 Sulfate	6.233	6.233	0.000	159416045	10.0	10.4	
4 Bromide	7.525	7.525	0.000	86161395	10.0	10.1	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

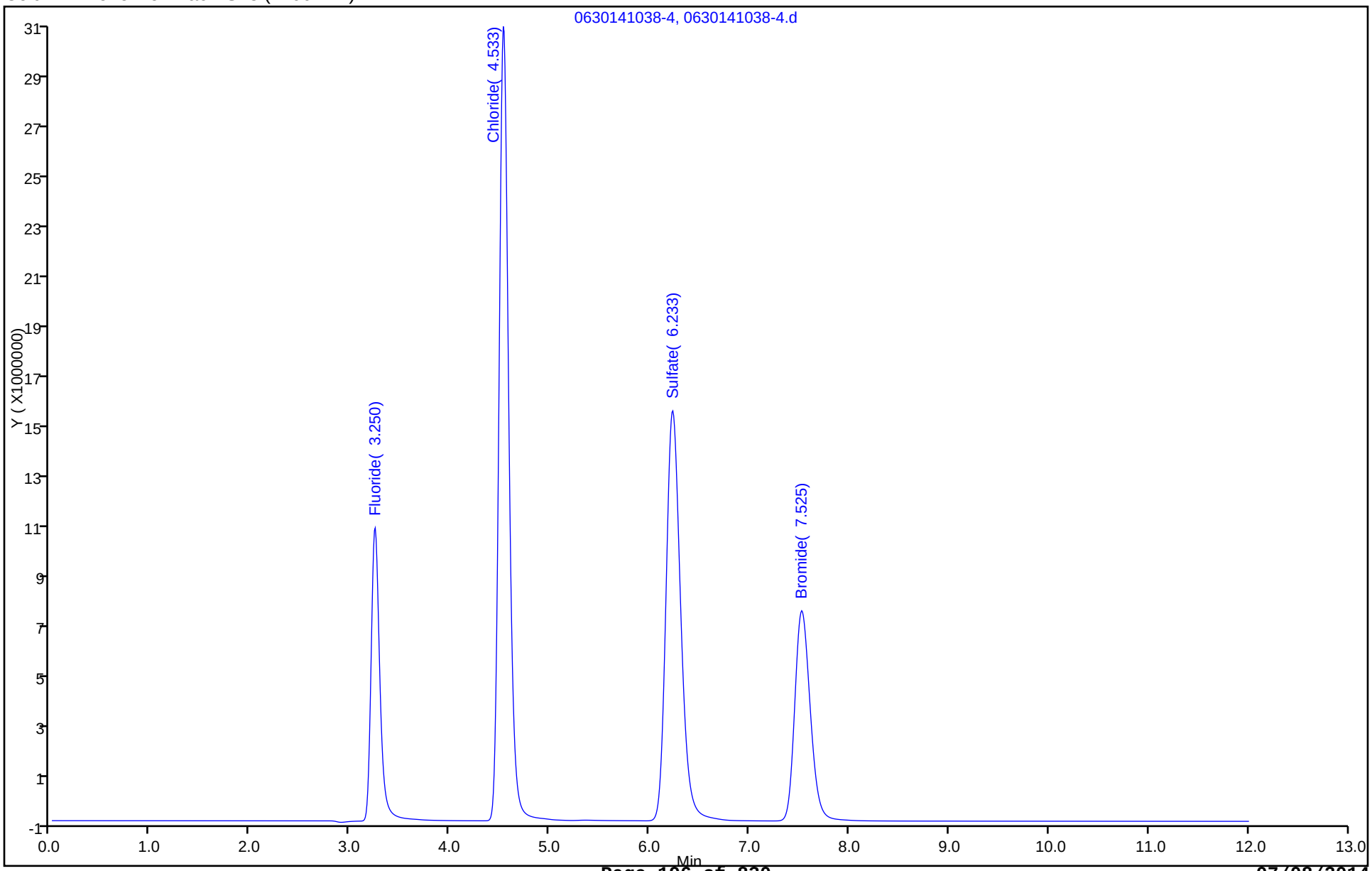
Report Date: 01-Jul-2014 10:31:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141038-4.d

Injection Date:	30-Jun-2014 10:38:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336877/19 Calibration Date: 06/30/2014 14:14

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: 0630141414-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33939643		2.04	2.00	2.2	10.0
Chloride	Lin2		20501689		10.0	10.0	0.2	10.0
Sulfate	Lin1		15695607		10.2	10.0	2.1	10.0
Bromide	Lin2		8561858		9.99	10.0	-0.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336877/19 Calibration Date: 06/30/2014 14:14

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: 0630141414-19.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.53	4.28	4.78
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\20140630-10585.b\0630141414-19.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 30-Jun-2014 14:14:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L063014 connie
Misc. Info.: 19 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:32:05 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: XAWRK012

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	67879285	2.00	2.04	
2 Chloride	4.533	4.533	0.000	205016889	10.0	10.0	
3 Sulfate	6.250	6.250	0.000	156956070	10.0	10.2	
4 Bromide	7.533	7.533	0.000	85618576	10.0	9.99	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

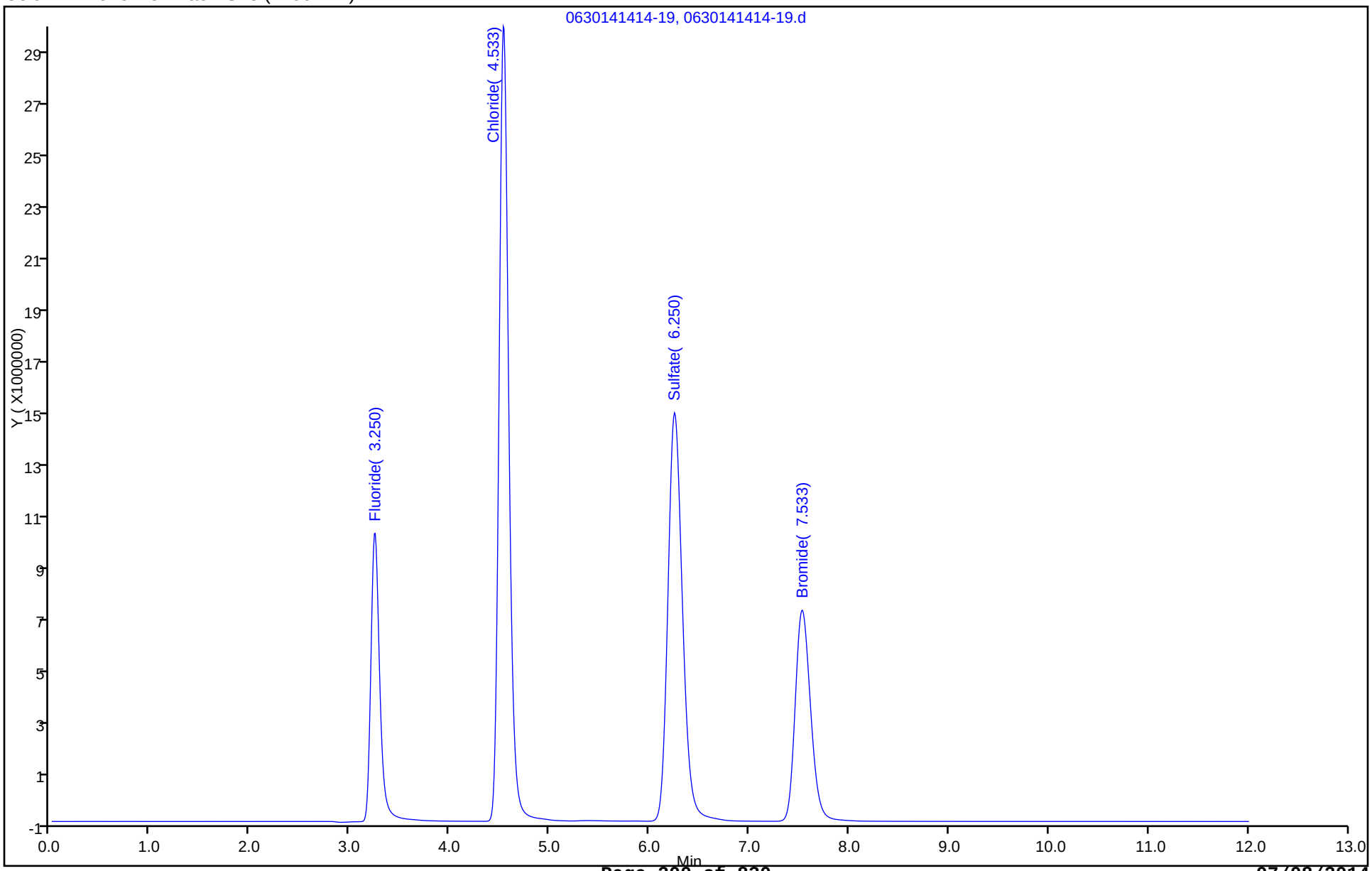
Report Date: 01-Jul-2014 10:32:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141414-19.d

Injection Date:	30-Jun-2014 14:14:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/4 Calibration Date: 07/01/2014 09:58

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: 0701140958-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34601259		2.08	2.00	4.2	10.0
Chloride	Lin2		20532195		10.0	10.0	0.3	10.0
Sulfate	Lin1		15963160		10.4	10.0	3.8	10.0
Bromide	Lin2		8601057		10.0	10.0	0.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/4 Calibration Date: 07/01/2014 09:58

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: 0701140958-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.24	5.99	6.49
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701140958-4.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 01-Jul-2014 09:58:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L070114 connie
Misc. Info.: 4 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:03 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: XAWRK022

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	69202517	2.00	2.08	
2 Chloride	4.542	4.542	0.000	205321952	10.0	10.0	
3 Sulfate	6.242	6.242	0.000	159631603	10.0	10.4	
4 Bromide	7.525	7.525	0.000	86010566	10.0	10.0	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

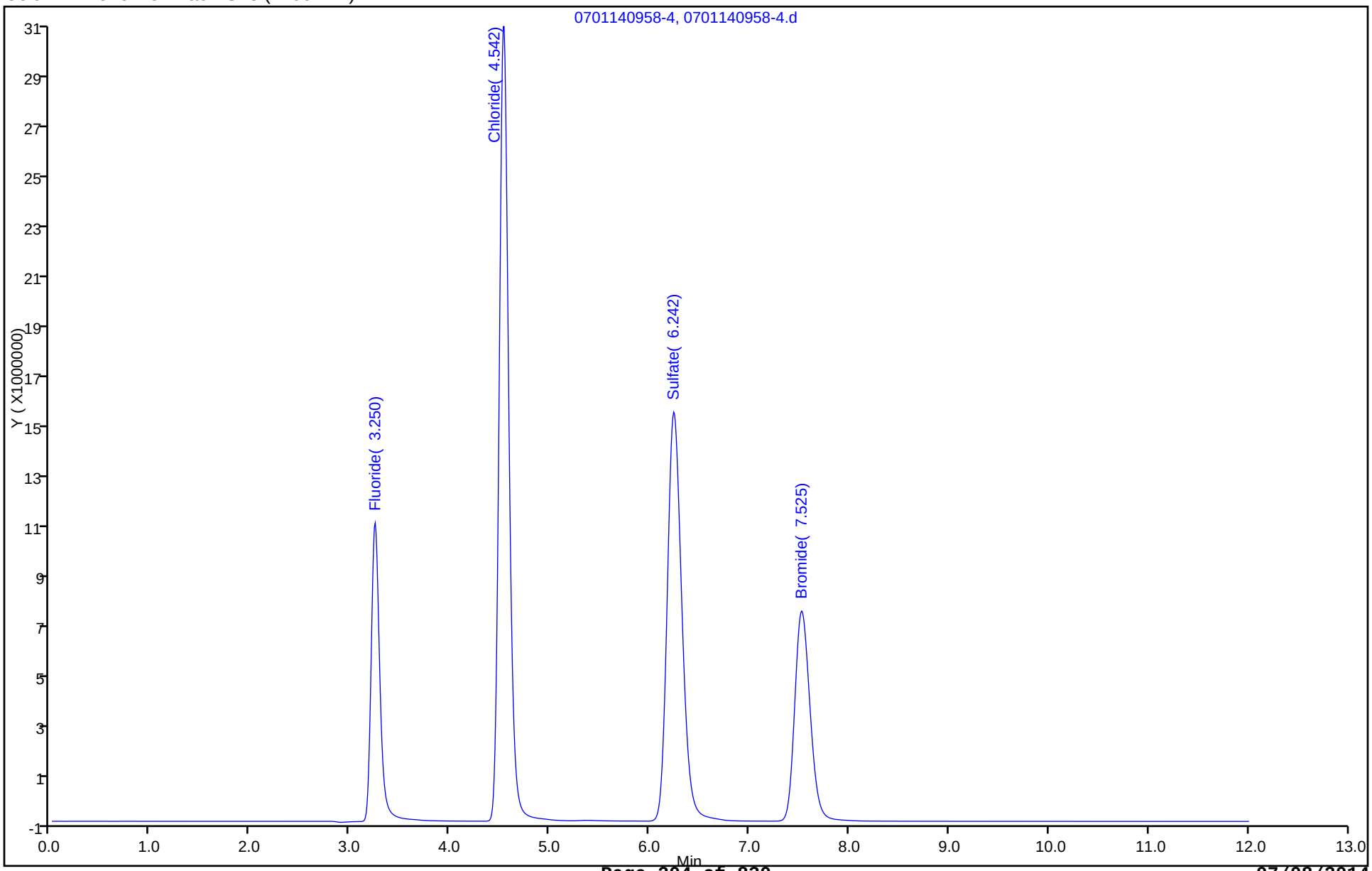
Report Date: 02-Jul-2014 08:53:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701140958-4.d

Injection Date:	01-Jul-2014 09:58:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/16 Calibration Date: 07/01/2014 12:51

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: 0701141251-16.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34186893		2.06	2.00	2.9	10.0
Chloride	Lin2		20487787		10.0	10.0	0.1	10.0
Sulfate	Lin1		15444171		10.0	10.0	0.4	10.0
Bromide	Lin2		8593726		10.0	10.0	0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/16 Calibration Date: 07/01/2014 12:51

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: 0701141251-16.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\20140701-10626.b\0701141251-16.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 01-Jul-2014 12:51:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L070114 connie
Misc. Info.: 16 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:08 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: XAWRK022

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	68373785	2.00	2.06	
2 Chloride	4.542	4.542	0.000	204877872	10.0	10.0	
3 Sulfate	6.258	6.258	0.000	154441706	10.0	10.0	
4 Bromide	7.533	7.533	0.000	85937264	10.0	10.0	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

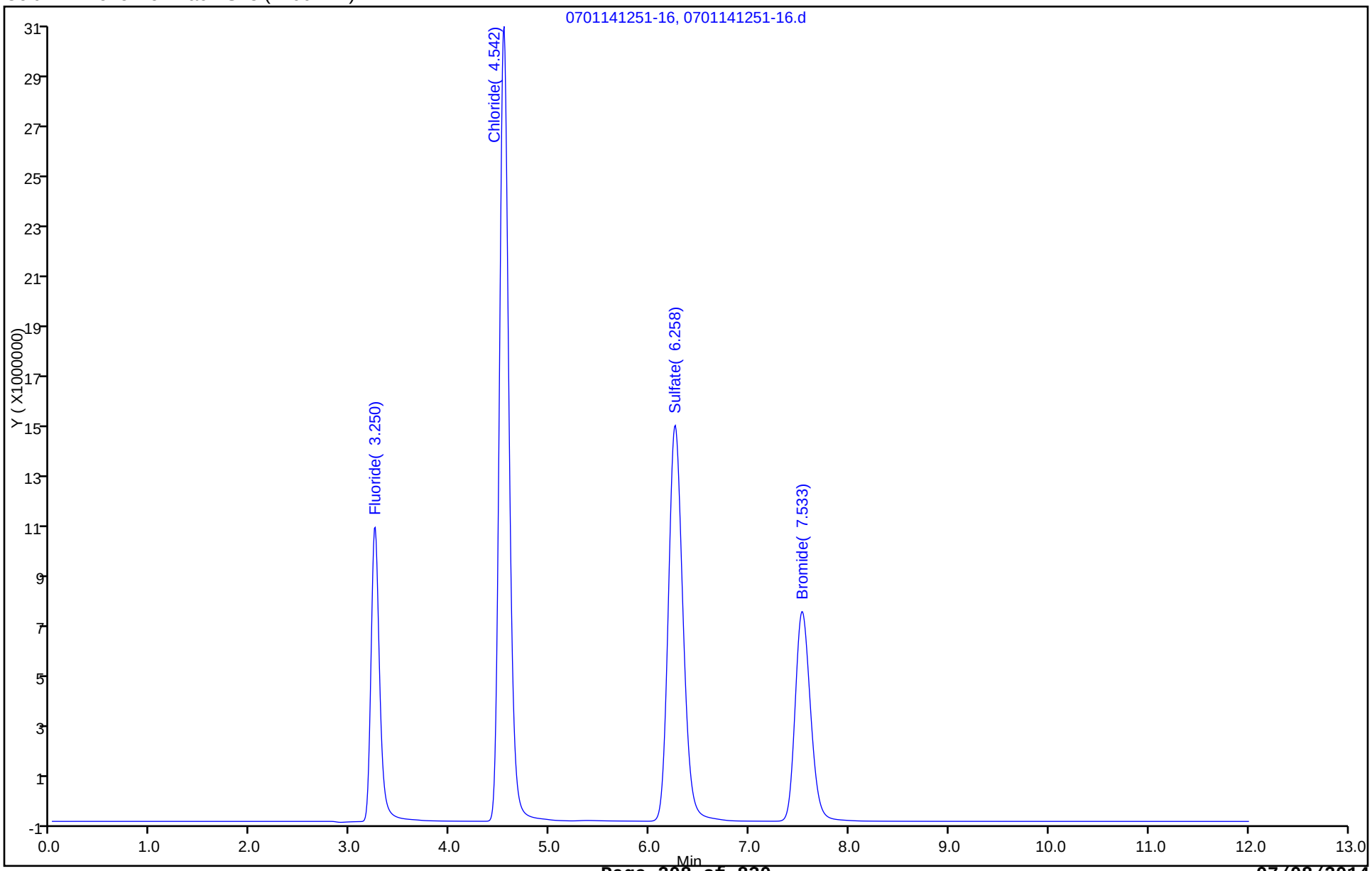
Report Date: 02-Jul-2014 08:53:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141251-16.d

Injection Date:	01-Jul-2014 12:51:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	16
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/28 Calibration Date: 07/01/2014 15:44

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: 0701141544-28.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34264047		2.06	2.00	3.2	10.0
Chloride	Lin2		20522928		10.0	10.0	0.3	10.0
Sulfate	Lin1		15353643		9.98	10.0	-0.2	10.0
Bromide	Lin2		8607301		10.0	10.0	0.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/28 Calibration Date: 07/01/2014 15:44

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: 0701141544-28.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.27	6.02	6.52
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141544-28.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 01-Jul-2014 15:44:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: ANION-5 1L070114 connie
Misc. Info.: 9497 3647287
Operator ID: Instrument ID: CICL
Sublist: chrom-300.0_9056A_CICL*sub1

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:13 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: XAWRK022

First Level Reviewer: thorntonp Date: 01-Jul-2014 16:29:31

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	68528094	2.00	2.06	
2 Chloride	4.542	4.542	0.000	205229281	10.0	10.0	
3 Sulfate	6.267	6.267	0.000	153536428	10.0	9.98	
4 Bromide	7.533	7.533	0.000	86073012	10.0	10.0	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

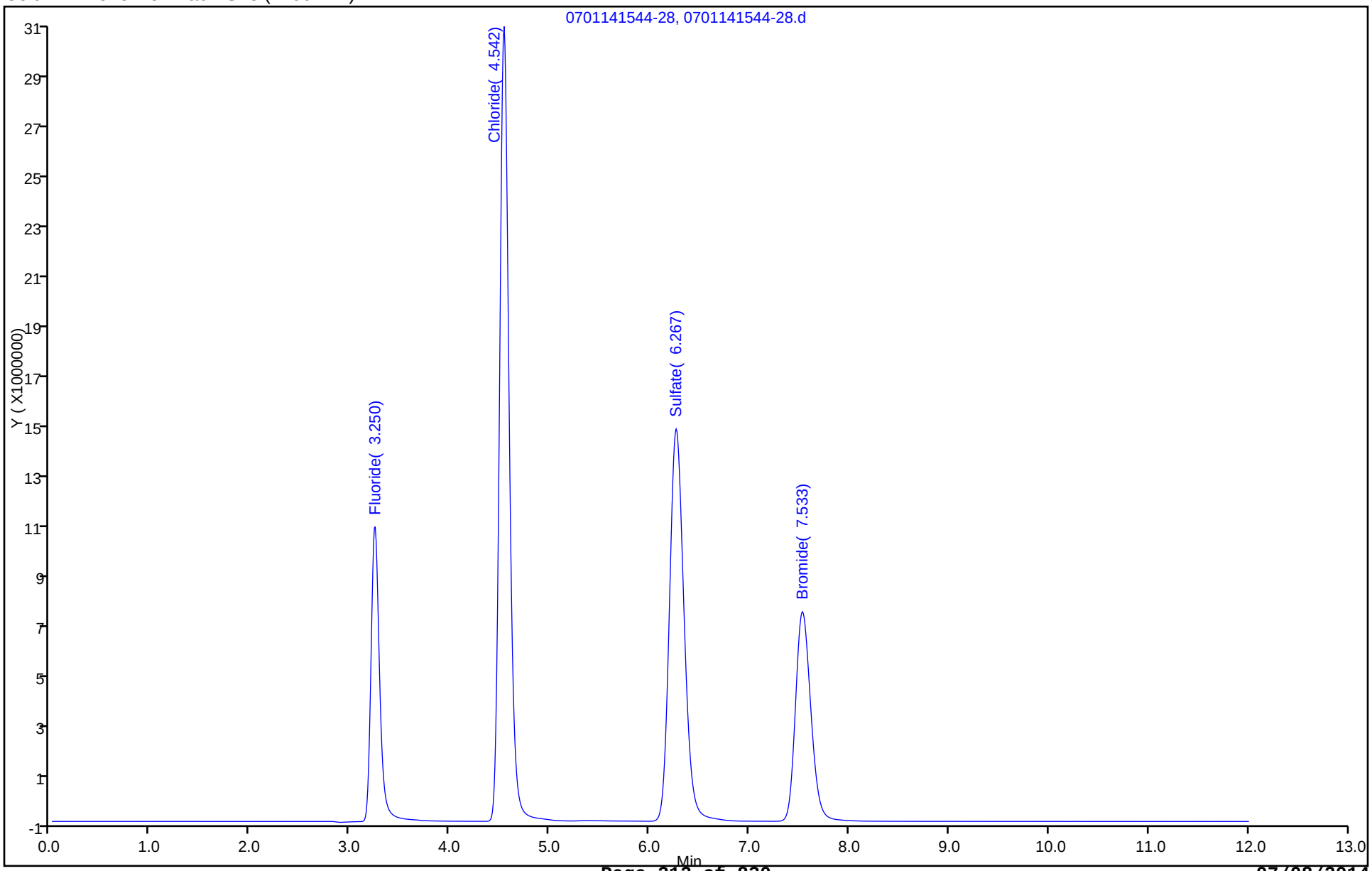
Report Date: 02-Jul-2014 08:53:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141544-28.d

Injection Date:	01-Jul-2014 15:44:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	28
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/32 Calibration Date: 07/01/2014 16:41

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: 0701141641-32.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34490158		2.08	2.00	3.8	10.0
Chloride	Lin2		20506499		10.0	10.0	0.2	10.0
Sulfate	Lin1		15534236		10.1	10.0	1.0	10.0
Bromide	Lin2		8615081		10.0	10.0	0.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-337073/32 Calibration Date: 07/01/2014 16:41

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: 0701141641-32.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.27	6.02	6.52
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141641-32.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	01-Jul-2014 16:41:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L070114 connie				
Misc. Info.:	15763 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:14	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:	XAWRK022				

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	68980315	2.00	2.08	
2 Chloride	4.542	4.542	0.000	205064989	10.0	10.0	
3 Sulfate	6.267	6.267	0.000	155342363	10.0	10.1	
4 Bromide	7.533	7.533	0.000	86150812	10.0	10.0	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

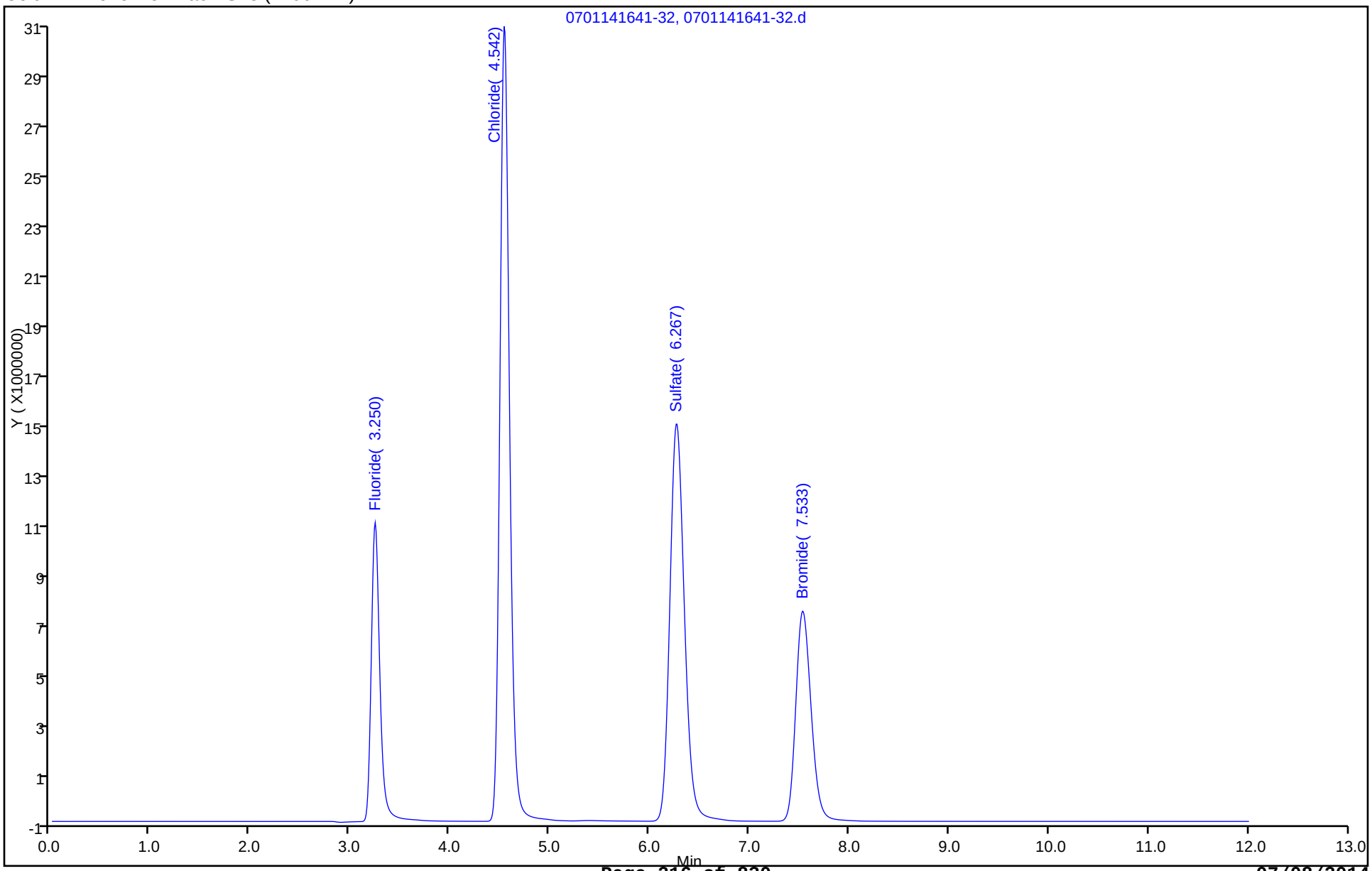
Report Date: 02-Jul-2014 08:53:14 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141641-32.d

Injection Date:	01-Jul-2014 16:41:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-336664/20

Matrix: Water Lab File ID: 0627141355-20.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 13:55

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.: 336664 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\20140627-10526.b\0627141355-20.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 13:55:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	23245				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	27-Jun-2014 14:35:29	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:	XAWRK009				

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

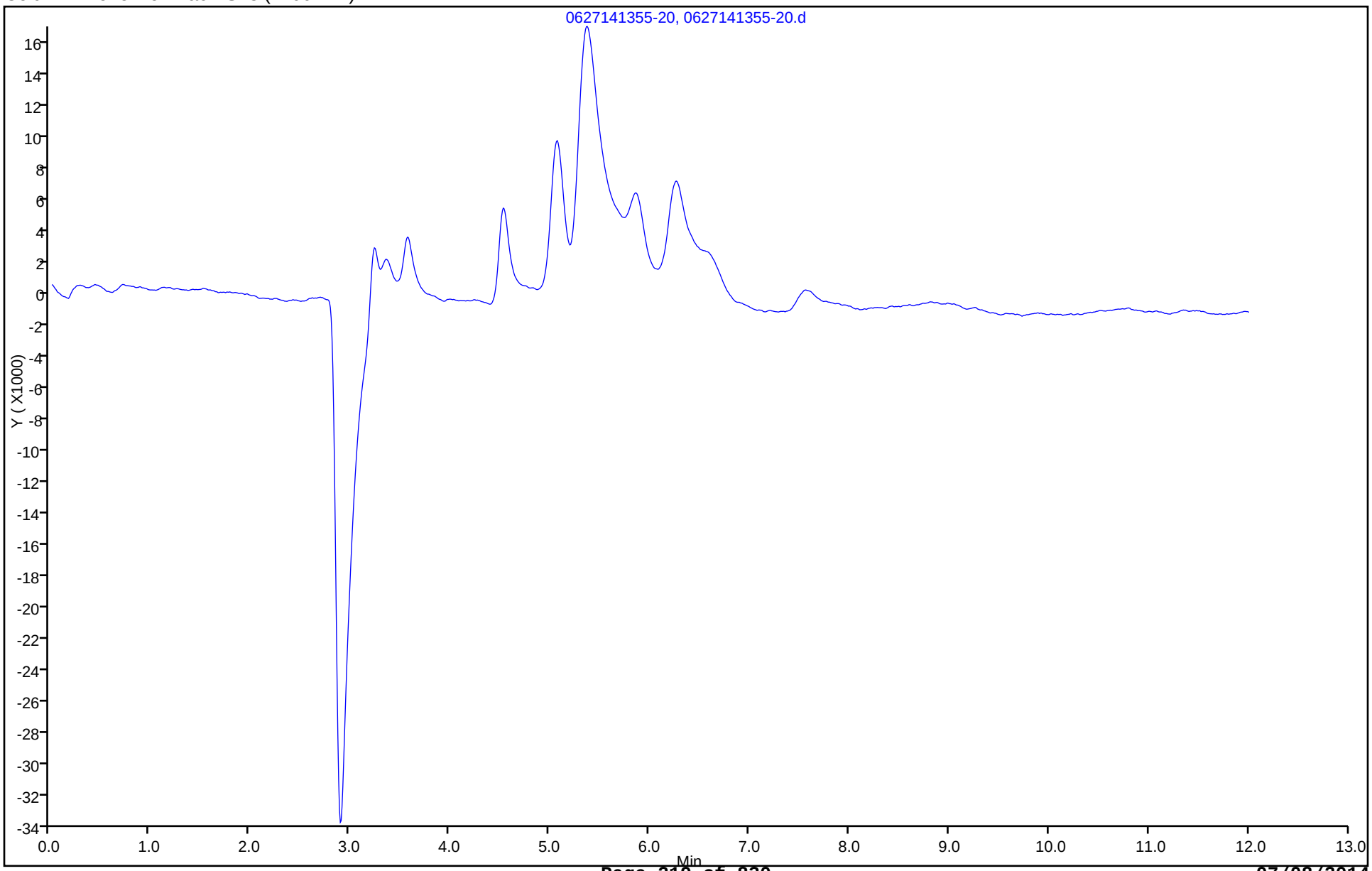
Report Date: 27-Jun-2014 14:35:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141355-20.d

Injection Date:	27-Jun-2014 13:55:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-336665/53

Matrix: Water Lab File ID: 0627142150-53.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 21:50

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.: 336665 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\20140627-10526.b\0627142150-53.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 21:50:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	25367				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

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

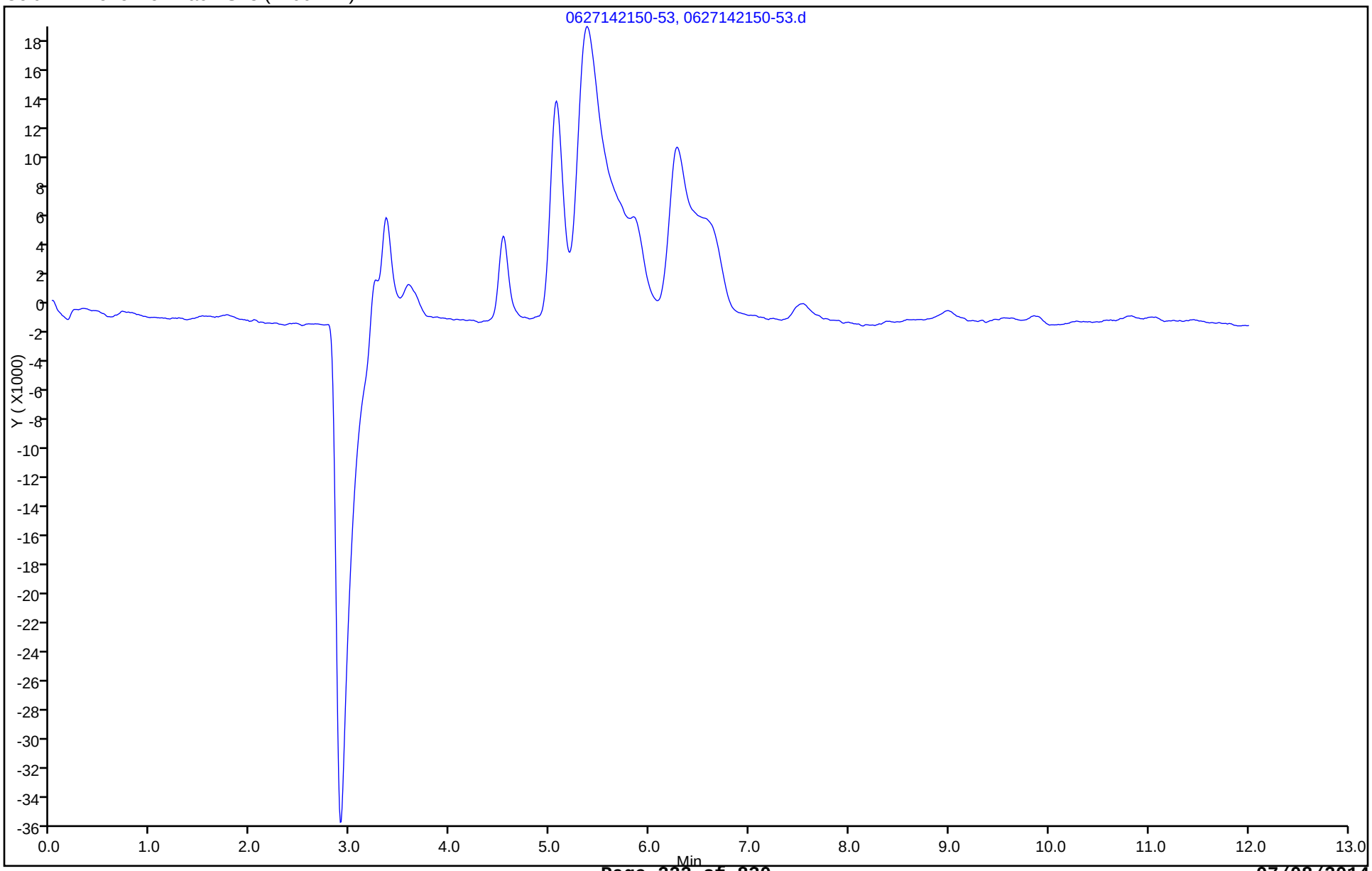
Report Date: 30-Jun-2014 10:11:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142150-53.d

Injection Date:	27-Jun-2014 21:50:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	53
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-336877/5

Matrix: Water Lab File ID: 0630141053-5.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 10:53

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

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

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

Analysis Batch No.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141053-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	30-Jun-2014 10:53:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1L063014 connie				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	01-Jul-2014 10:31:57	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:	XAWRK012				

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

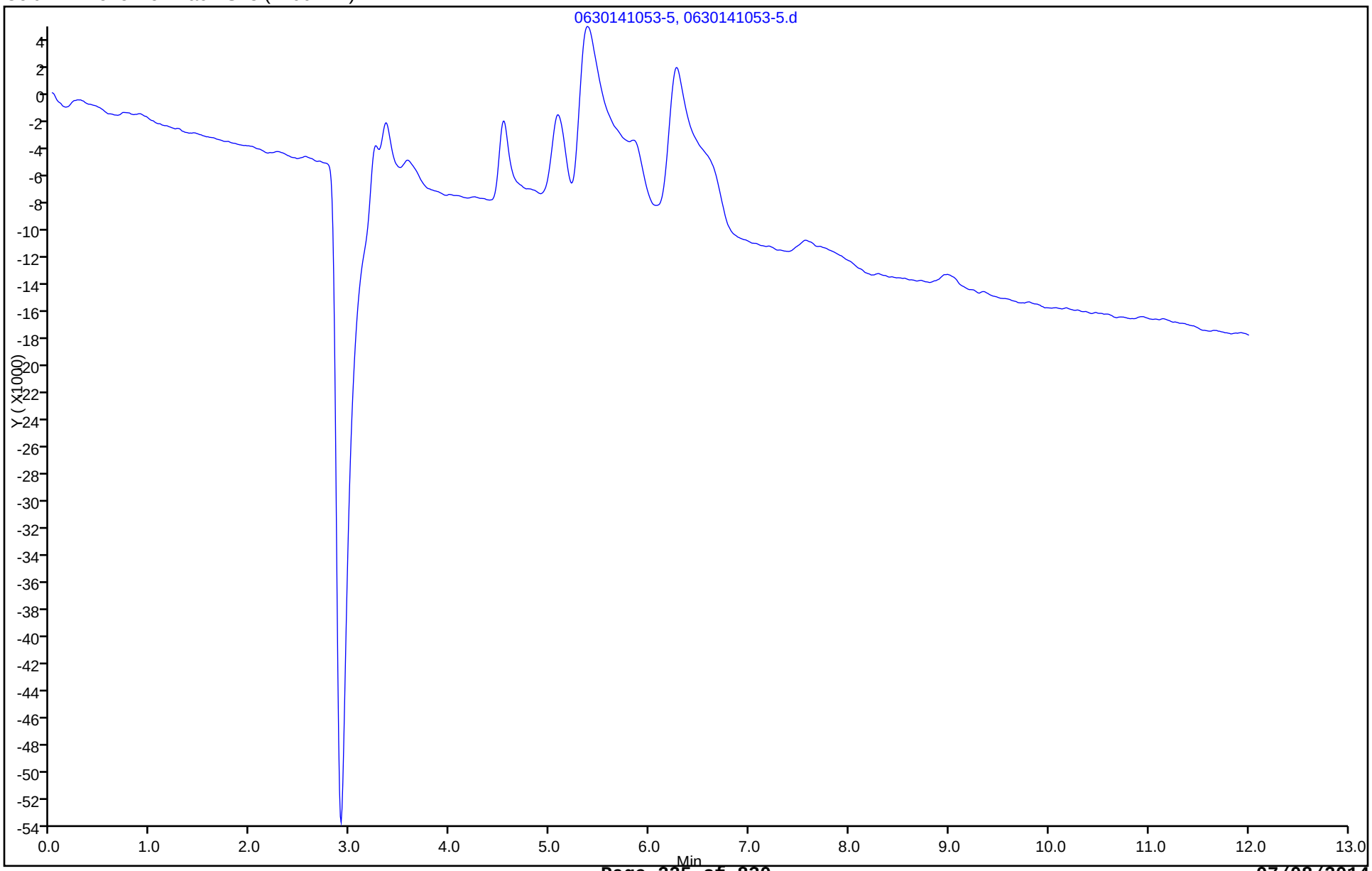
Report Date: 01-Jul-2014 10:31:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141053-5.d

Injection Date:	30-Jun-2014 10:53:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	MB			Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-337073/5

Matrix: Water Lab File ID: 0701141012-5.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 10:12

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.: 337073 Units: mg/L

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141012-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	01-Jul-2014 10:12:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1L070114 connie				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:03	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:	XAWRK022				

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

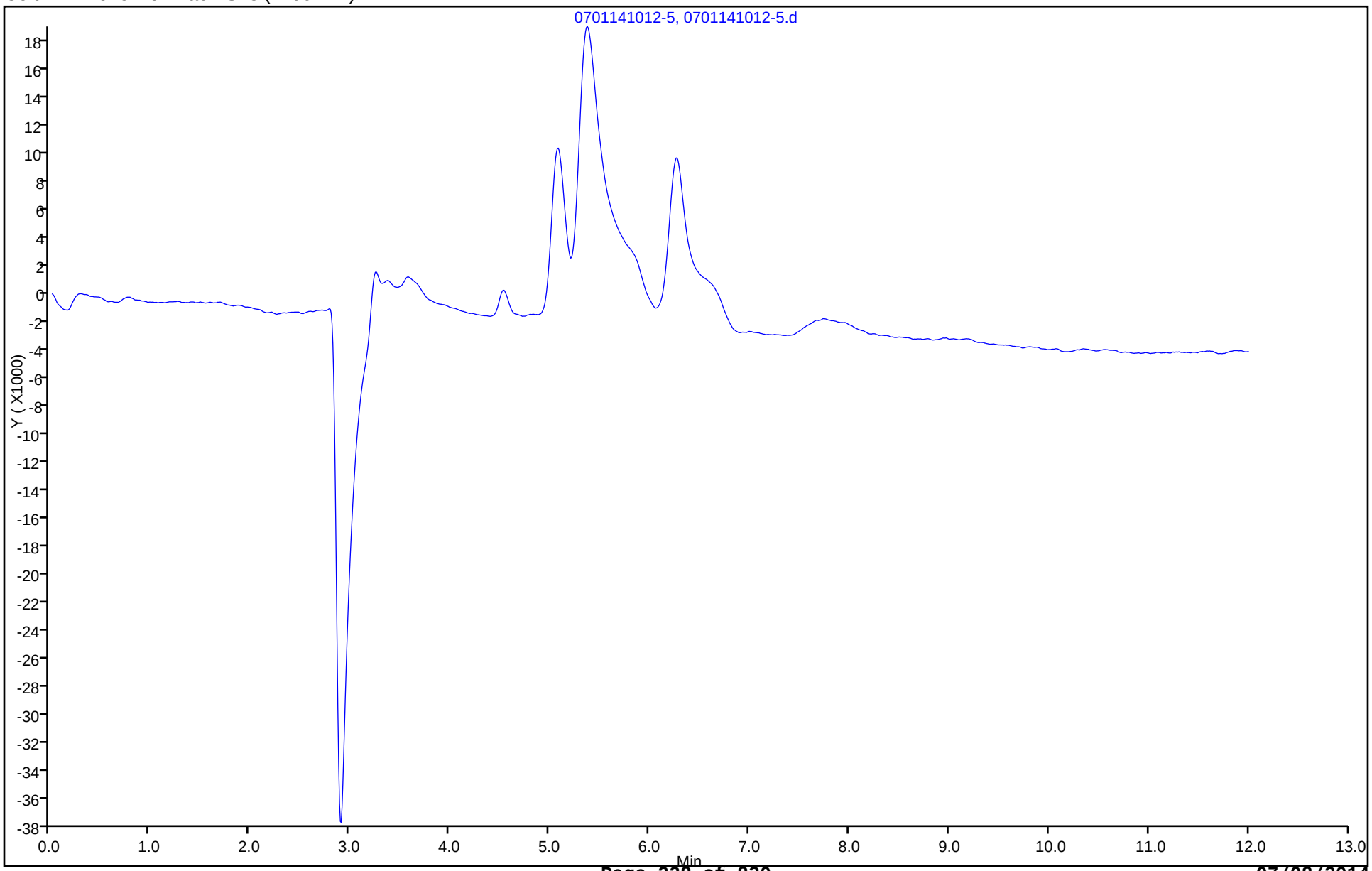
Report Date: 02-Jul-2014 08:53:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141012-5.d

Injection Date:	01-Jul-2014 10:12:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	MB			Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336664/34

Matrix: Water Lab File ID: 0627141717-34.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 17:17

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.: 336664 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\20140627-10526.b\0627141717-34.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 17:17:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	26060				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:55	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:	XAWRK003				

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

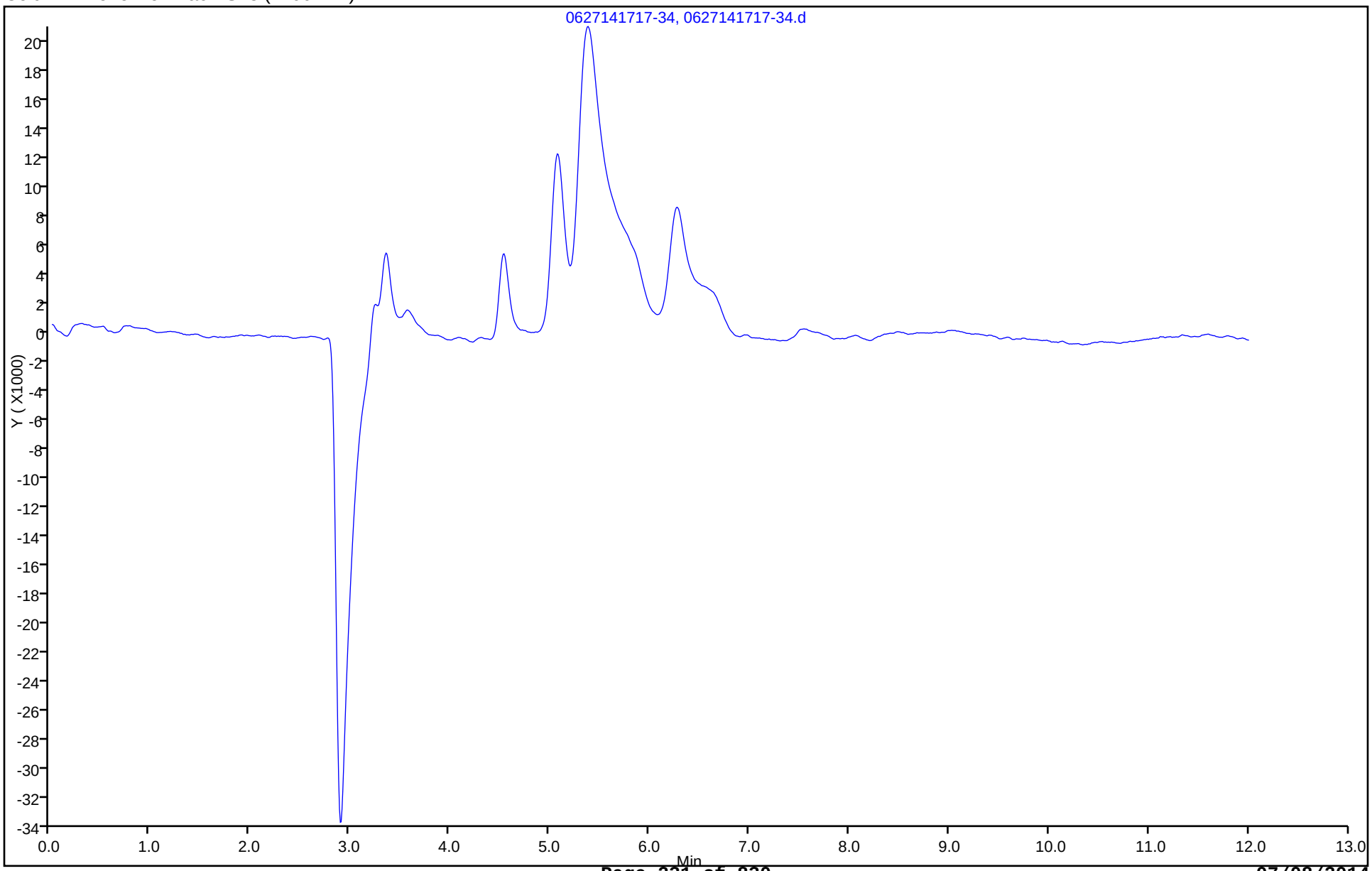
Report Date: 30-Jun-2014 10:10:56 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141717-34.d

Injection Date:	27-Jun-2014 17:17:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336664/46

Matrix: Water Lab File ID: 0627142010-46.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 20:10

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.: 336664 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\20140627-10526.b\0627142010-46.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 20:10:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	32293				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:10:58	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:	XAWRK003				

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

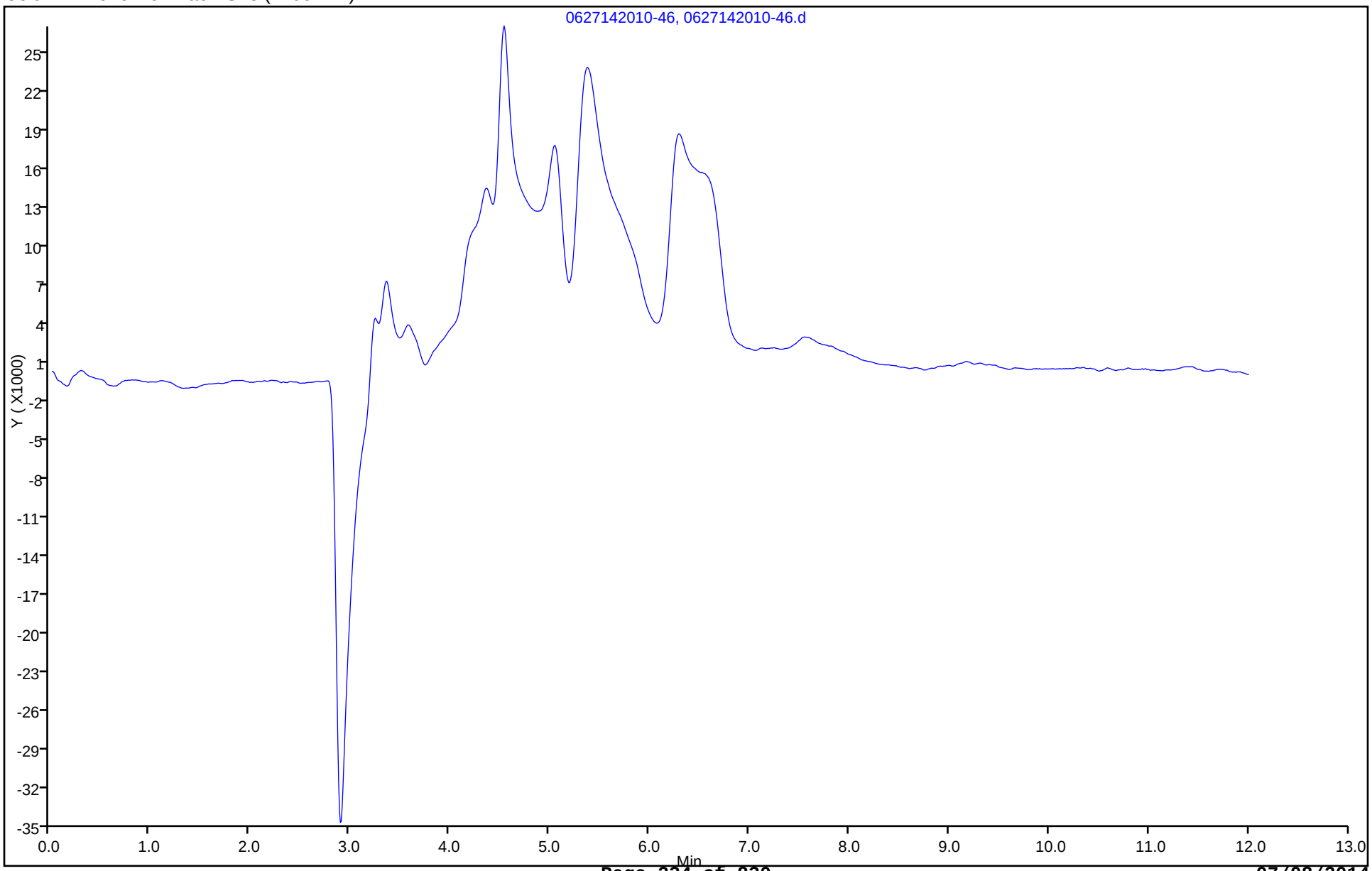
Report Date: 30-Jun-2014 10:10:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142010-46.d

Injection Date:	27-Jun-2014 20:10:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	46
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336664/53

Matrix: Water Lab File ID: 0627142150-53.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 21:50

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.: 336664 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\20140627-10526.b\0627142150-53.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 21:50:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	25367				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:00	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:	XAWRK003				

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

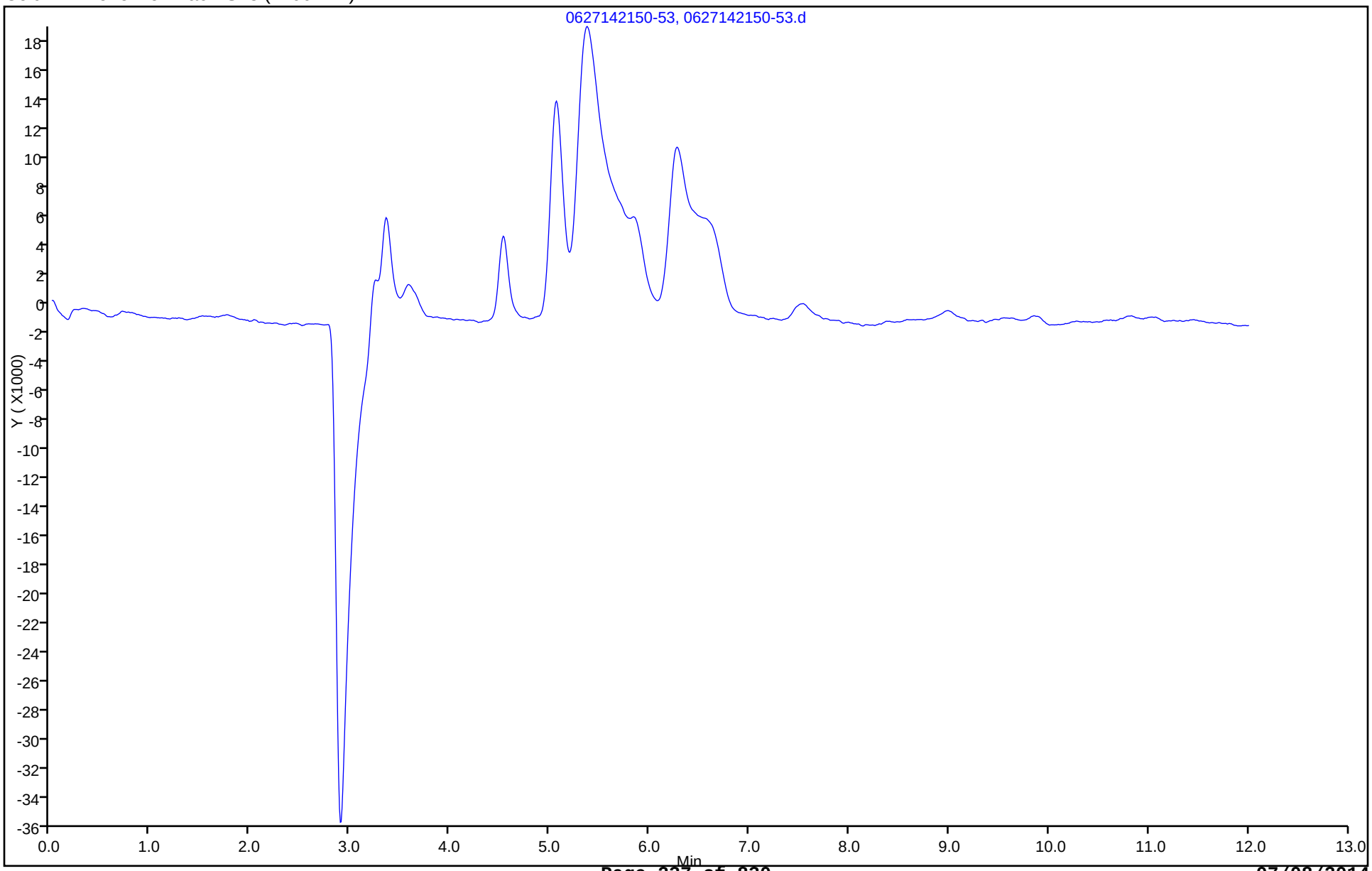
Report Date: 30-Jun-2014 10:11:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142150-53.d

Injection Date:	27-Jun-2014 21:50:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	53
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336665/67

Matrix: Water Lab File ID: 0628140112-67.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 01:12

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.: 336665 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\20140627-10526.b\0628140112-67.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	28-Jun-2014 01:12:00	ALS Bottle#:	0	Worklist Smp#:	67
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	25356				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:06	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:	XAWRK003				

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

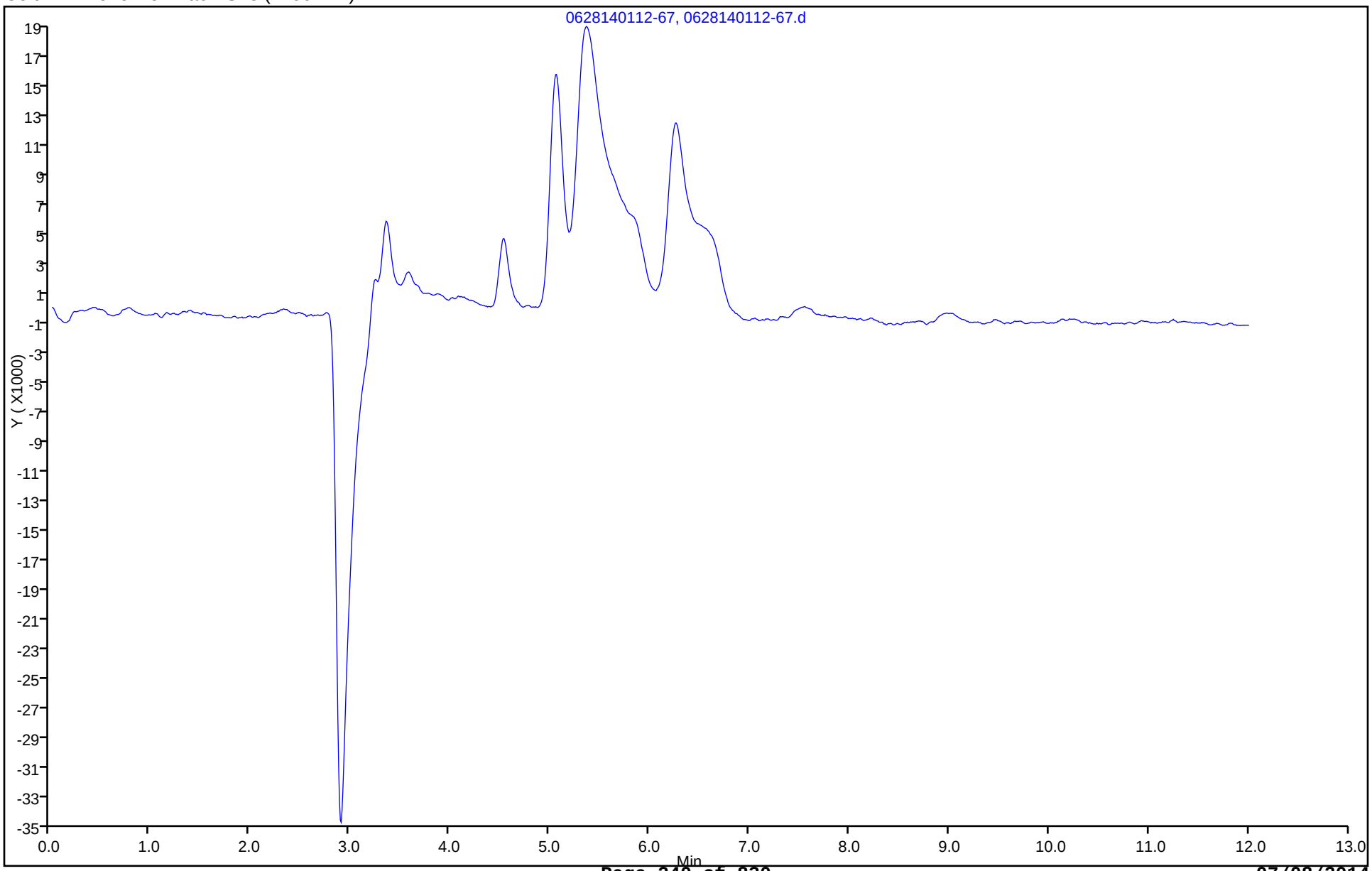
Report Date: 30-Jun-2014 10:11:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140112-67.d

Injection Date:	28-Jun-2014 01:12:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	67
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336665/71

Matrix: Water Lab File ID: 0628140210-71.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2014 02:10

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.: 336665 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\20140627-10526.b\0628140210-71.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	28-Jun-2014 02:10:00	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L062714 connie				
Misc. Info.:	19529				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	30-Jun-2014 10:11:07	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:	XAWRK003				

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

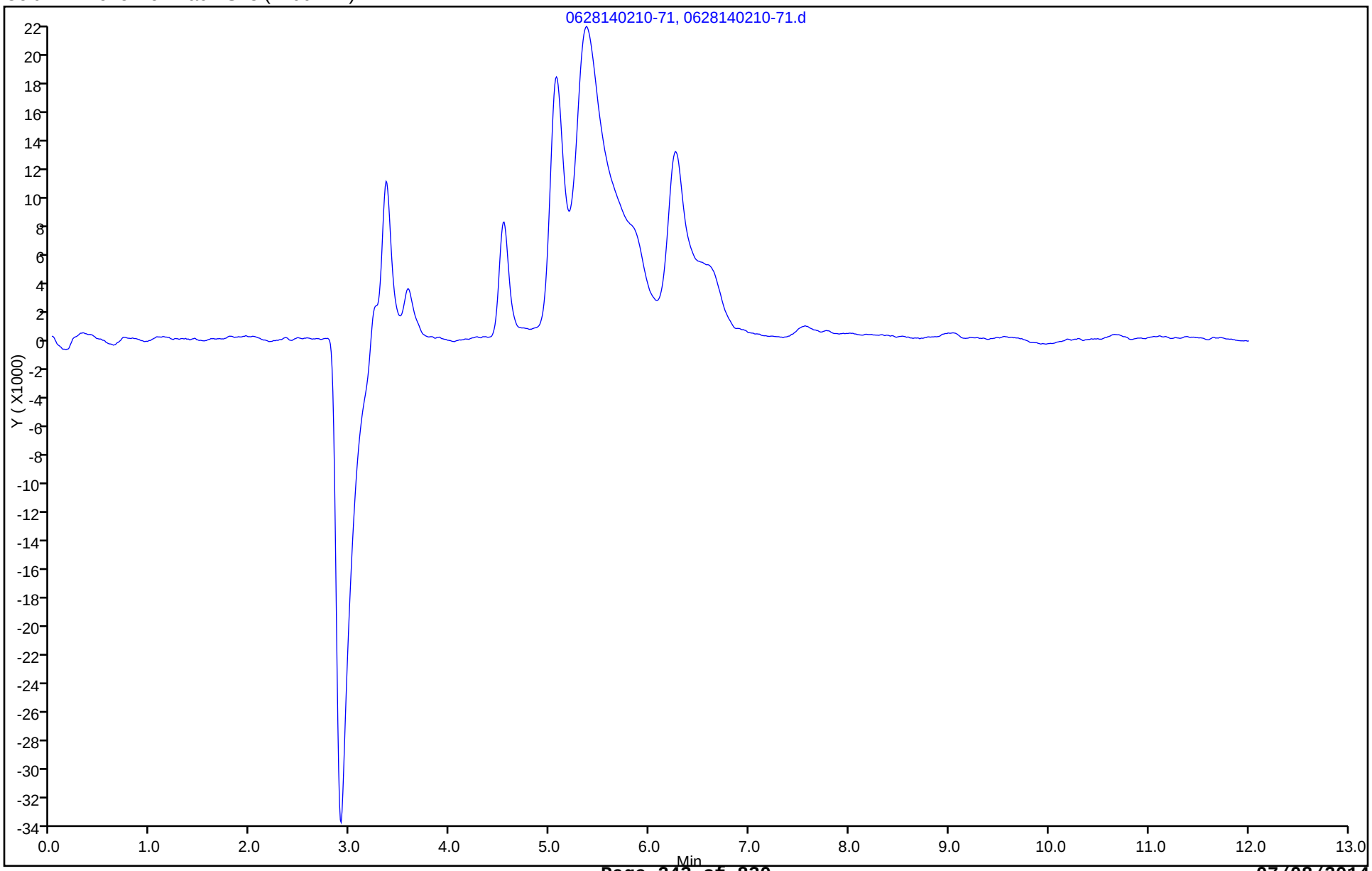
Report Date: 30-Jun-2014 10:11:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0628140210-71.d

Injection Date:	28-Jun-2014 02:10:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	71
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336877/20

Matrix: Water Lab File ID: 0630141429-20.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 14:29

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141429-20.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	30-Jun-2014 14:29:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L063014 connie				
Misc. Info.:	20				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	01-Jul-2014 10:32:05	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:	XAWRK012				
First Level Reviewer: thorntonp		Date:	30-Jun-2014 15:01:34		

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

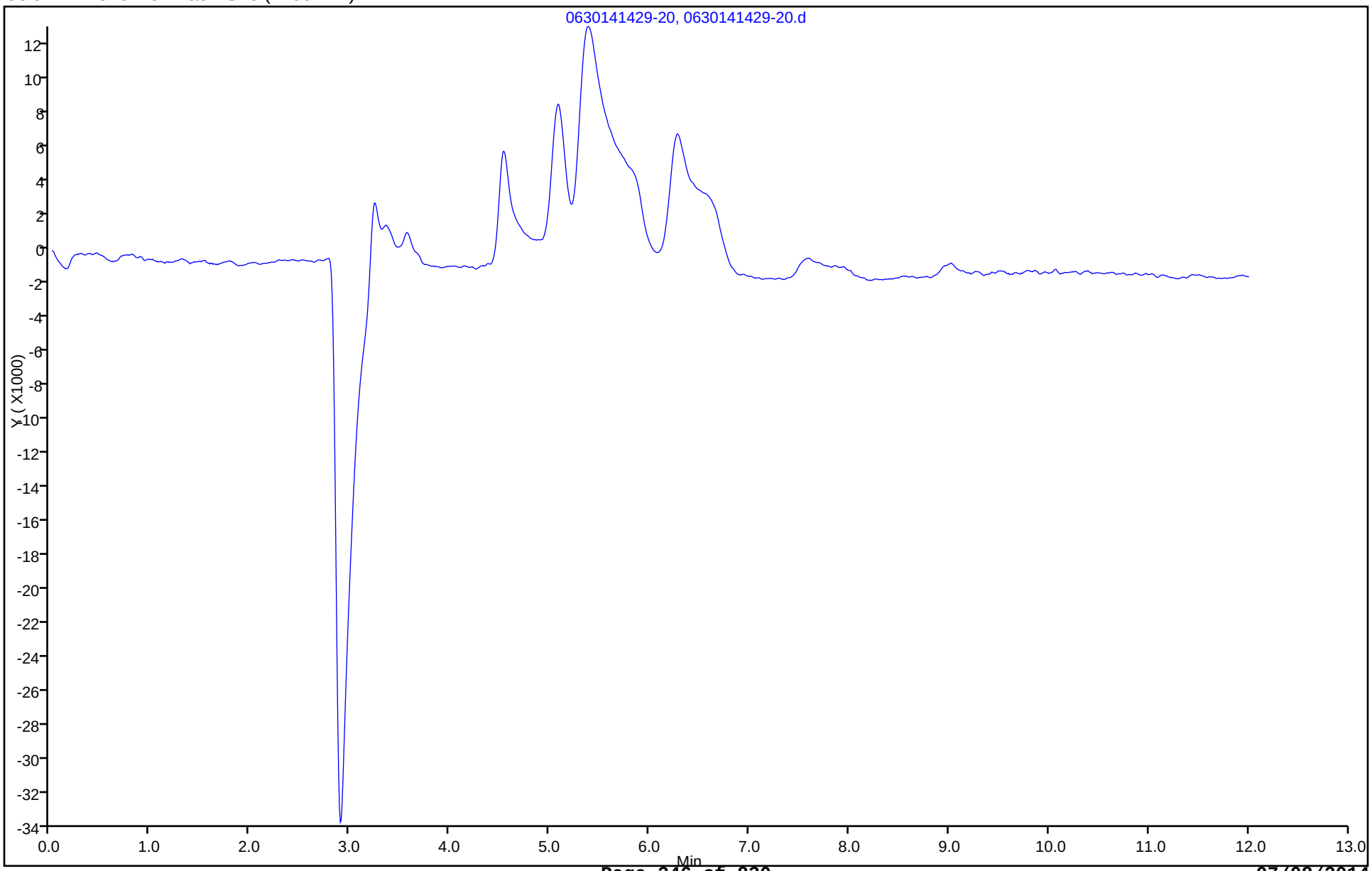
Report Date: 01-Jul-2014 10:32:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141429-20.d

Injection Date:	30-Jun-2014 14:29:00	Instrument ID:	CICL	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_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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-337073/17

Matrix: Water Lab File ID: 0701141305-17.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 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.: 337073 Units: mg/L

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141305-17.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	01-Jul-2014 13:05:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070114 connie				
Misc. Info.:	17				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:08	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:	XAWRK022				

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

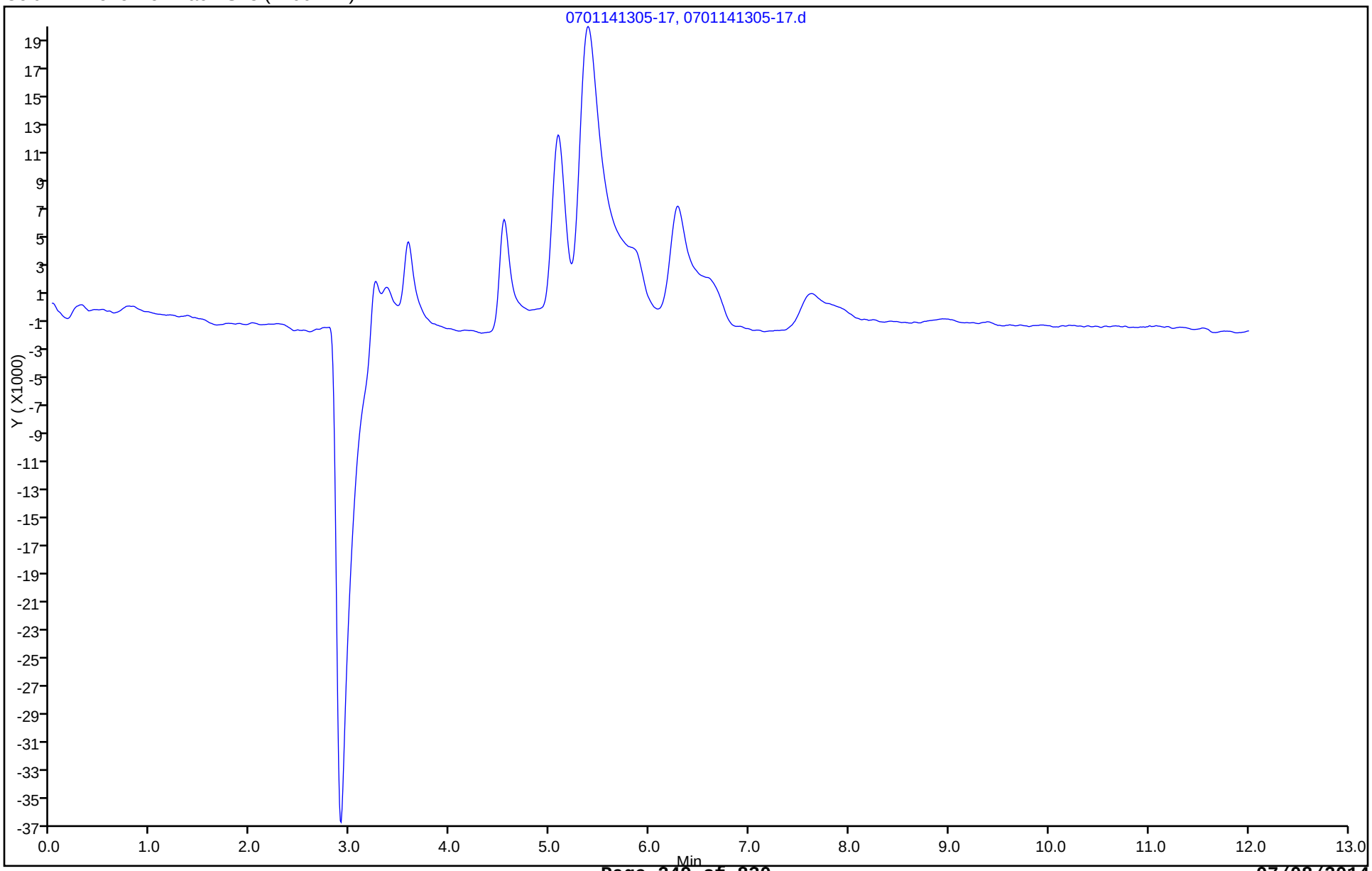
Report Date: 02-Jul-2014 08:53:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141305-17.d

Injection Date:	01-Jul-2014 13:05:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	17
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-337073/29

Matrix: Water Lab File ID: 0701141558-29.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 15:58

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.: 337073 Units: mg/L

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141558-29.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	01-Jul-2014 15:58:00	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070114 connie				
Misc. Info.:	24072				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:13	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:	XAWRK022				

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

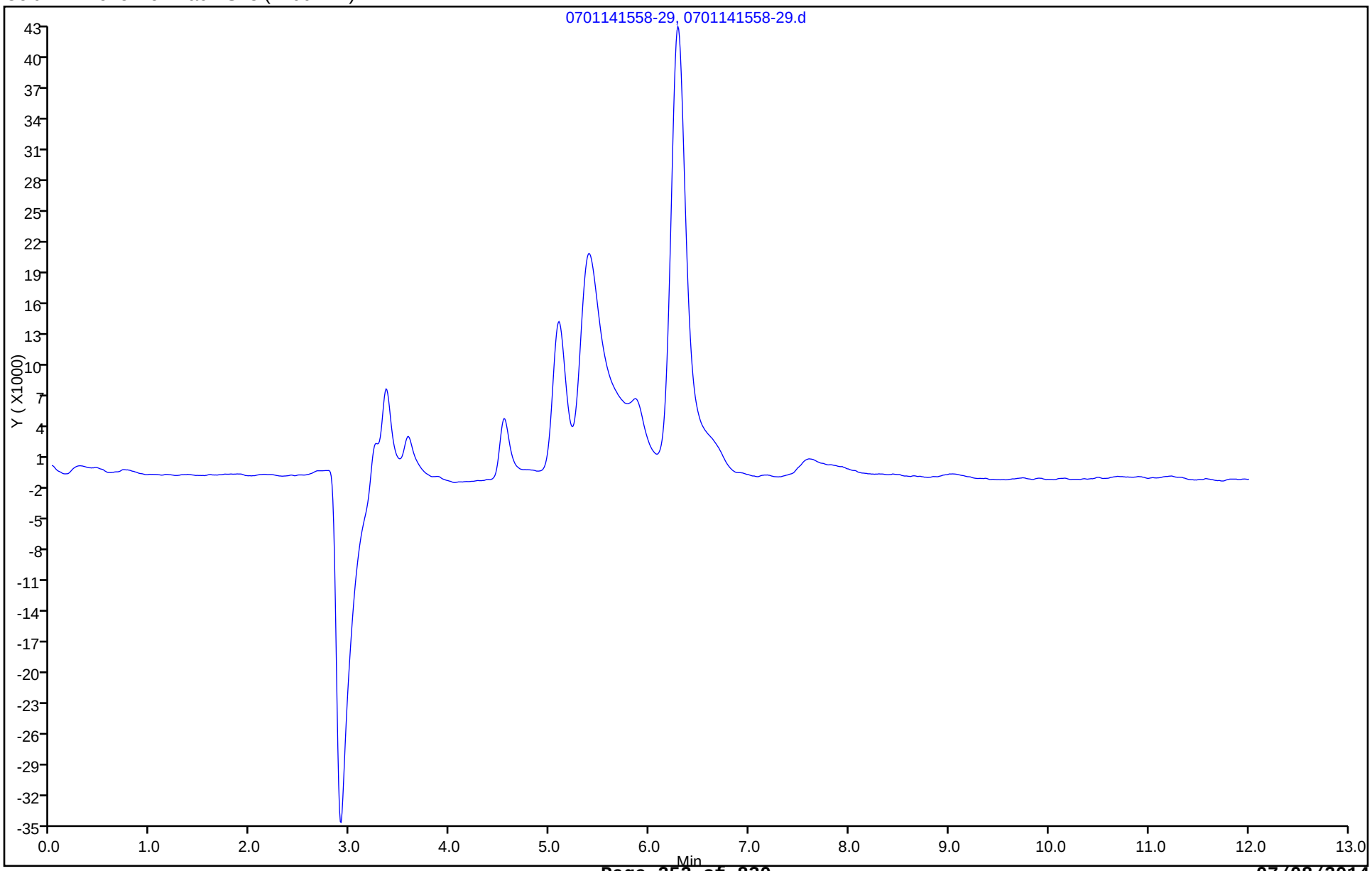
Report Date: 02-Jul-2014 08:53:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141558-29.d

Injection Date:	01-Jul-2014 15:58:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	29
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-337073/33

Matrix: Water Lab File ID: 0701141656-33.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 16:56

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.: 337073 Units: mg/L

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141656-33.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	01-Jul-2014 16:56:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070114 connie				
Misc. Info.:	26527				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	02-Jul-2014 08:53:14	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:	XAWRK022				

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

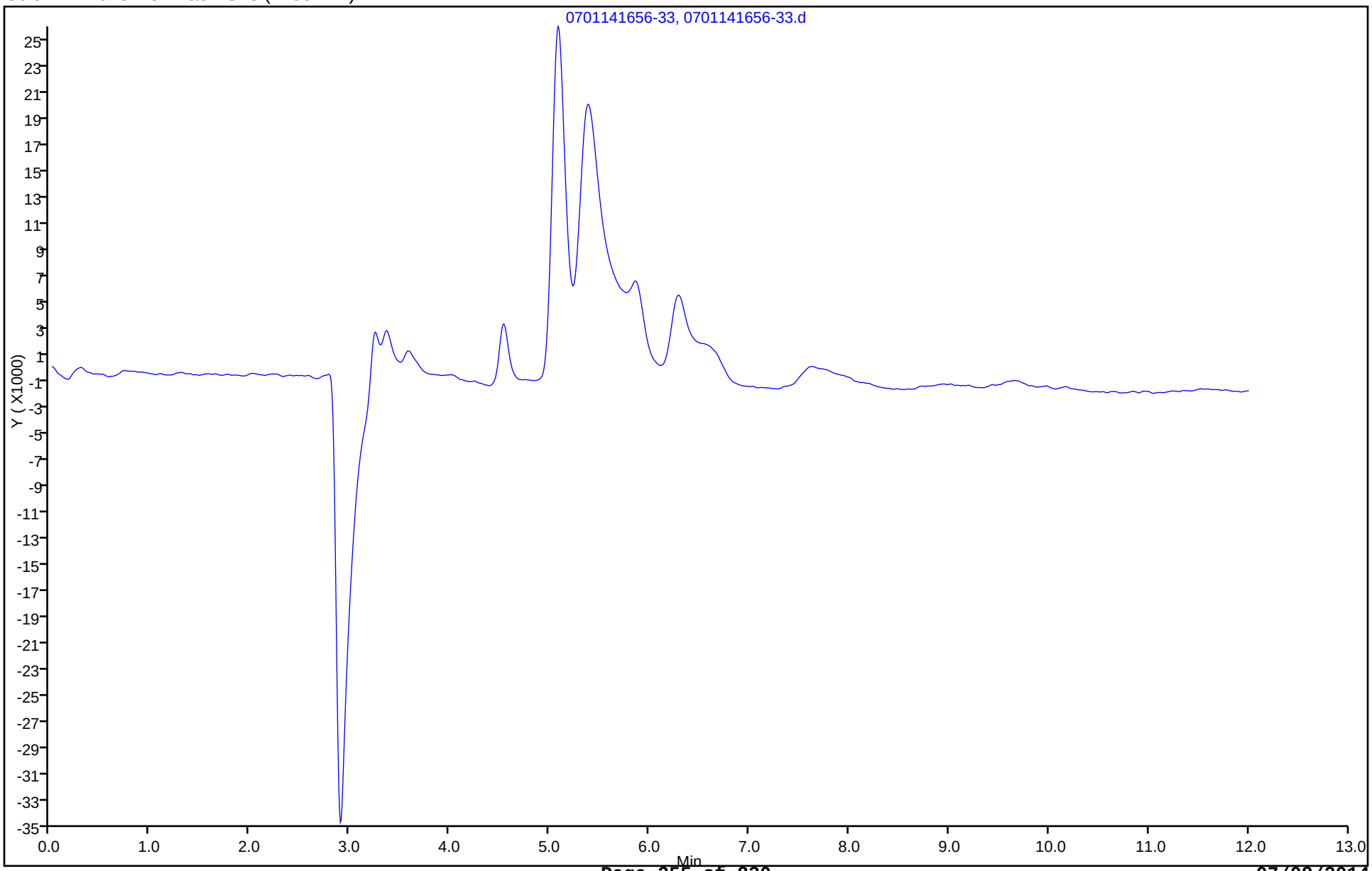
Report Date: 02-Jul-2014 08:53:14 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141656-33.d

Injection Date:	01-Jul-2014 16:56:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	33
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336664/21

Matrix: Water Lab File ID: 0627141409-21.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 14:09

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.: 336664 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	2.07		0.10	0.025
16887-00-6	Chloride	9.82		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141409-21.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Jun-2014 14:09:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L062714 connie
Misc. Info.: 4139 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 08:53:48 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68701131	2.00	2.07	
2 Chloride	4.533	4.542	-0.009	200970895	10.0	9.82	
3 Sulfate	6.242	6.233	0.009	156477300	10.0	10.2	
4 Bromide	7.525	7.525	0.000	85046895	10.0	9.92	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

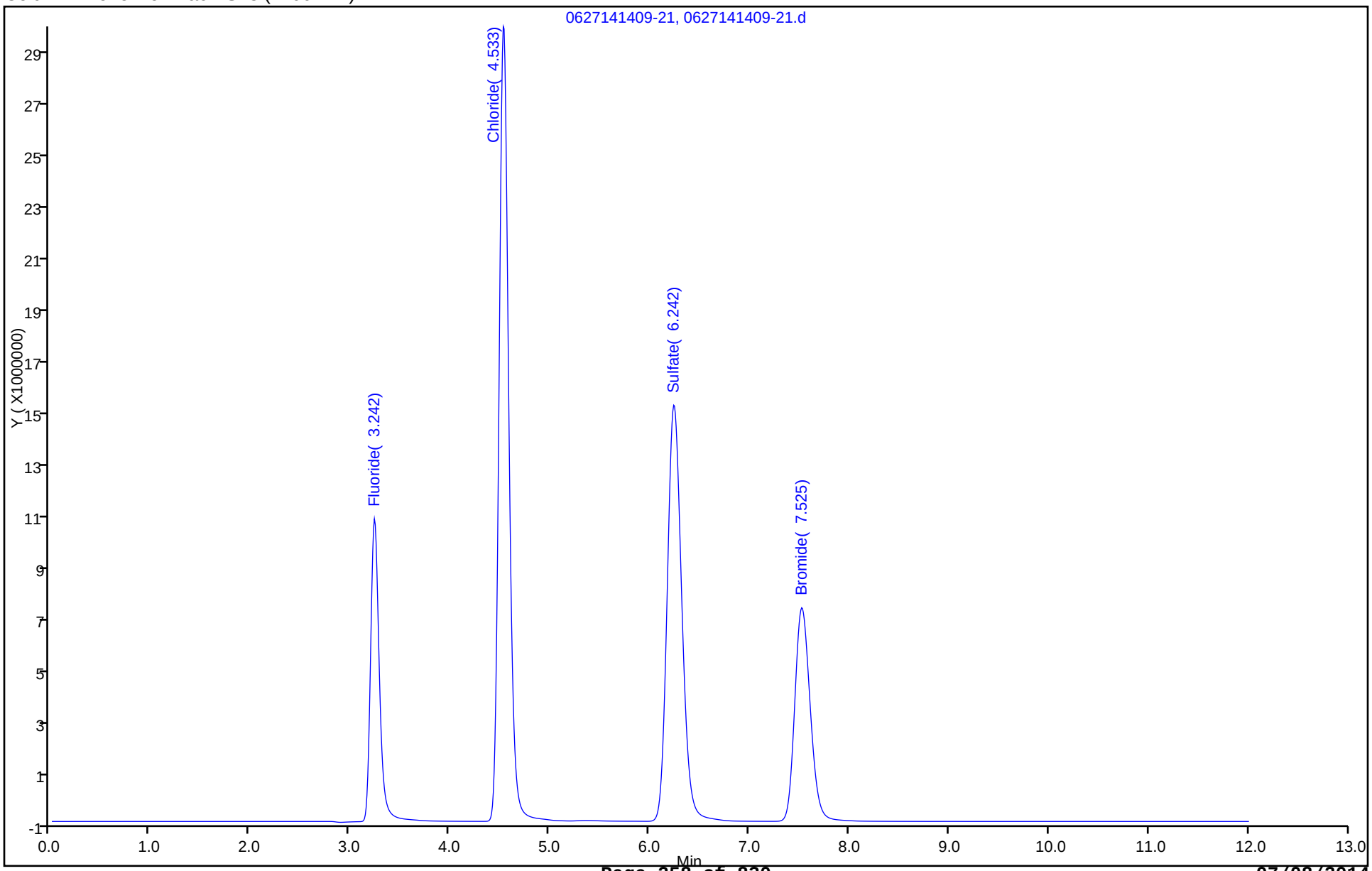
Report Date: 30-Jun-2014 10:10:52 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141409-21.d

Injection Date:	27-Jun-2014 14:09:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	21
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336665/54

Matrix: Water Lab File ID: 0627142205-54.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 22:05

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.: 336665 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	9.83		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142205-54.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Jun-2014 22:05:00 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L062714 connie
Misc. Info.: 32227 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:00 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68383073	2.00	2.06	
2 Chloride	4.542	4.542	0.000	201055803	10.0	9.83	
3 Sulfate	6.242	6.242	0.000	156162319	10.0	10.2	
4 Bromide	7.525	7.533	-0.008	85198218	10.0	9.94	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

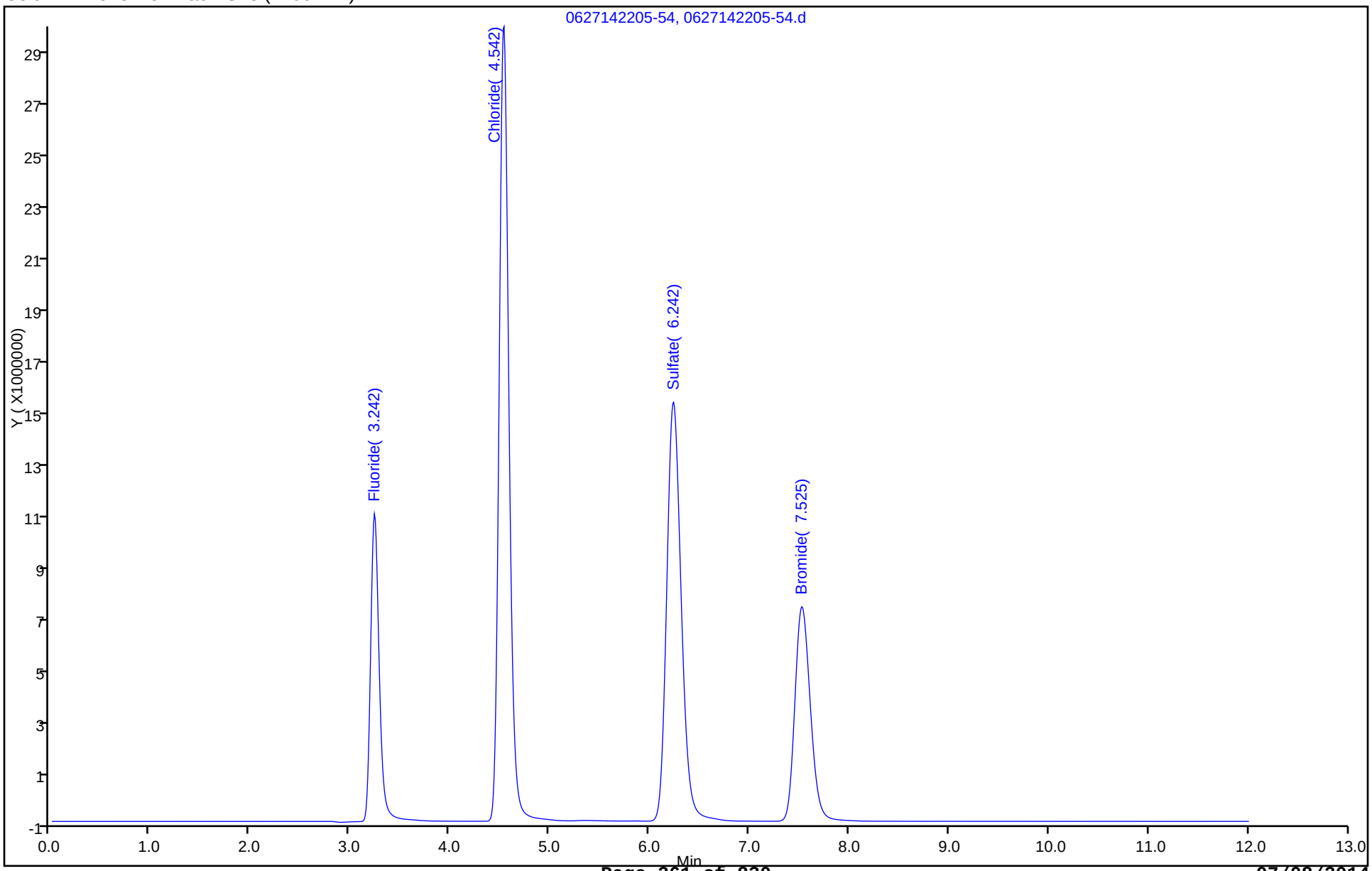
Report Date: 30-Jun-2014 10:11:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142205-54.d

Injection Date:	27-Jun-2014 22:05:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	54
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336877/6

Matrix: Water Lab File ID: 0630141107-6.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 11:07

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.4		0.50	0.25
16887-00-6	Chloride	9.85		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141107-6.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Jun-2014 11:07:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L063014 connie
Misc. Info.: 6 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	68238133	2.00	2.05	
2 Chloride	4.533	4.533	0.000	201584996	10.0	9.85	
3 Sulfate	6.242	6.233	0.009	159235513	10.0	10.4	
4 Bromide	7.525	7.525	0.000	85554027	10.0	9.98	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

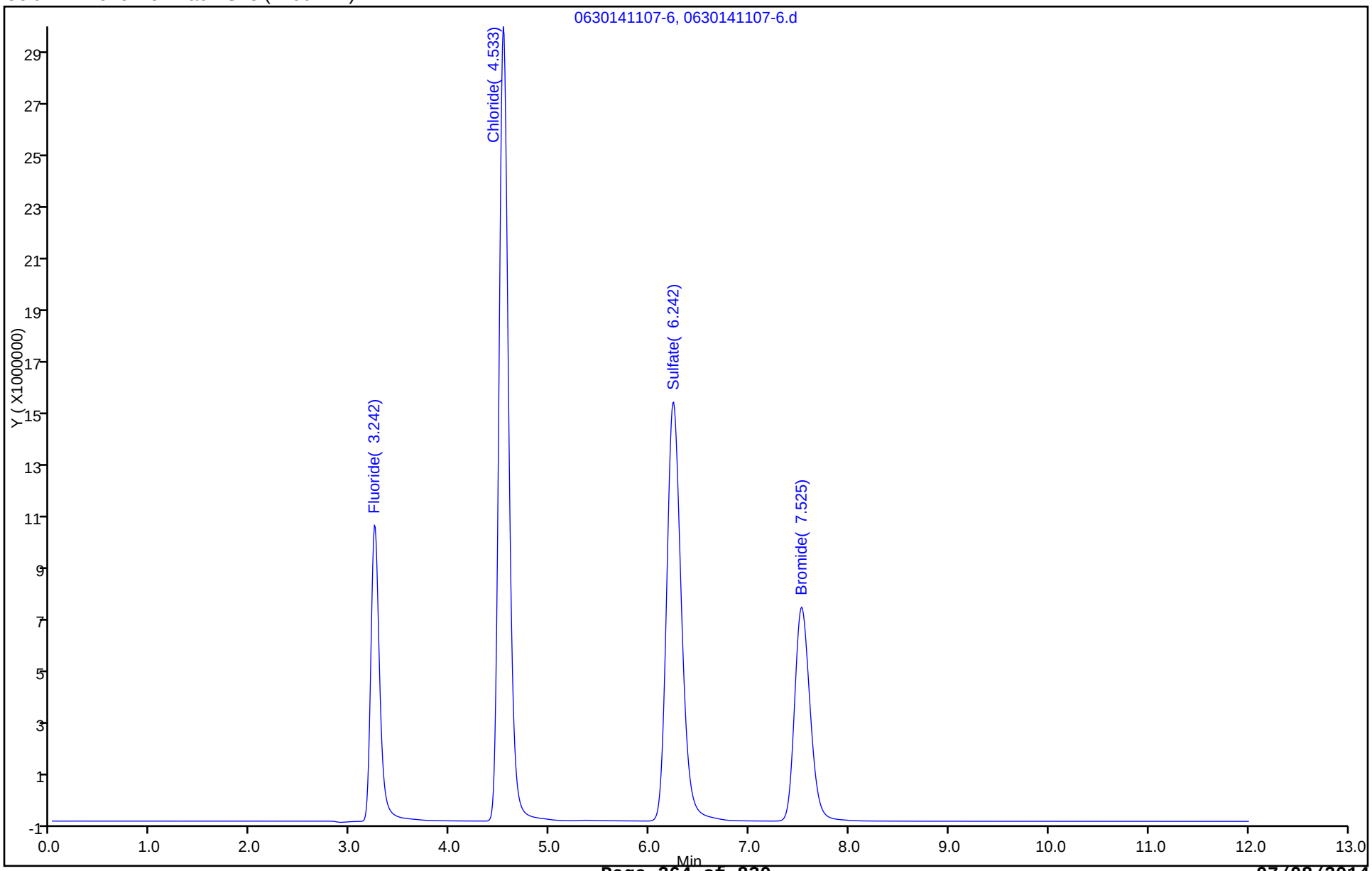
Report Date: 01-Jul-2014 10:31:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141107-6.d

Injection Date:	30-Jun-2014 11:07:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-337073/6

Matrix: Water Lab File ID: 0701141027-6.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 10:27

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.: 337073 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	9.85		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141027-6.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 01-Jul-2014 10:27:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L070114 connie
Misc. Info.: 6 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:03 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: XAWRK022

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	69554963	2.00	2.09	
2 Chloride	4.533	4.542	-0.009	201558583	10.0	9.85	
3 Sulfate	6.250	6.242	0.008	160384856	10.0	10.4	
4 Bromide	7.525	7.525	0.000	85852620	10.0	10.0	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

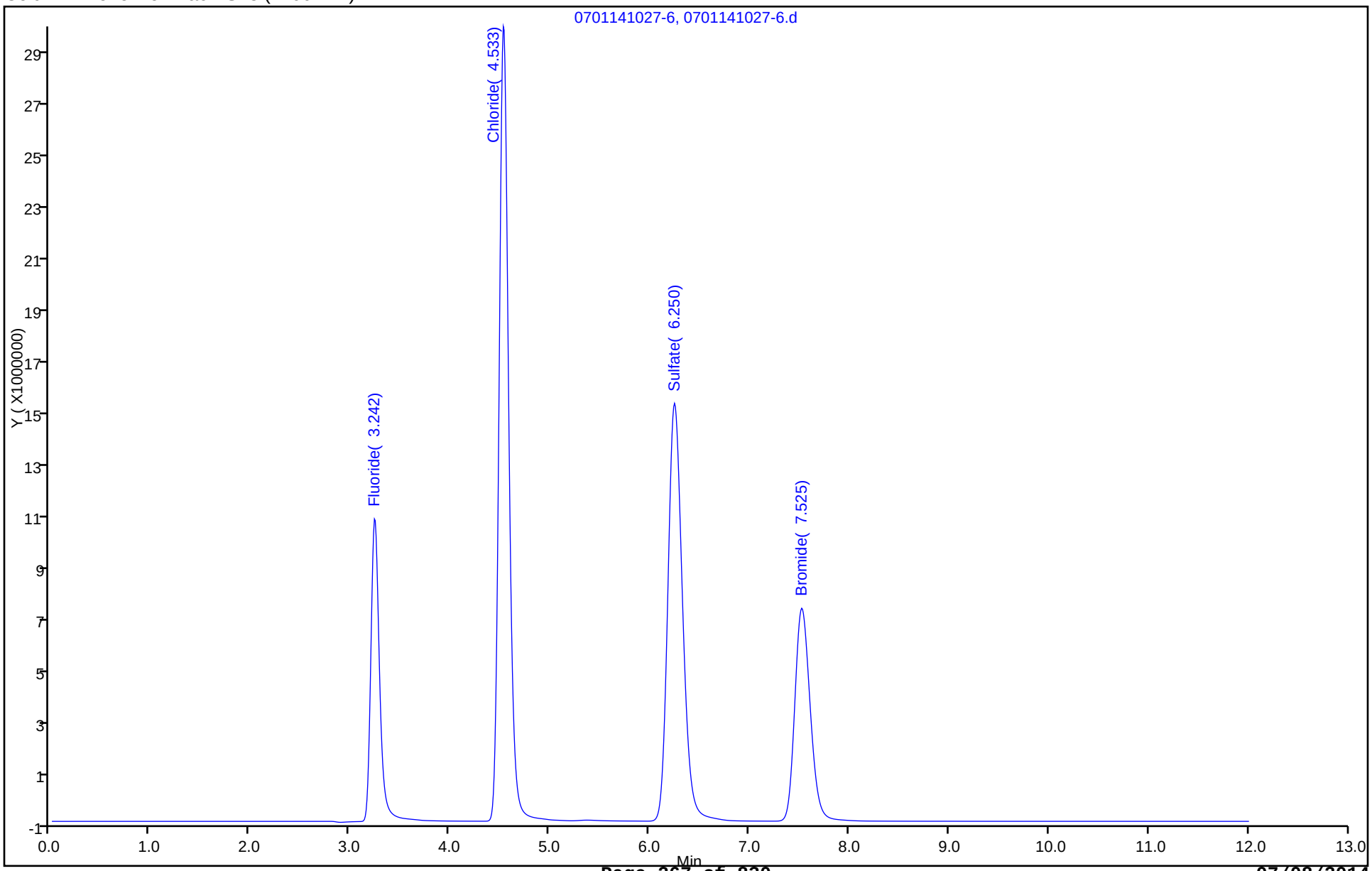
Report Date: 02-Jul-2014 08:53:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141027-6.d

Injection Date:	01-Jul-2014 10:27:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-336664/22

Matrix: Water Lab File ID: 0627141424-22.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 14:24

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.: 336664 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	2.07		0.10	0.025
16887-00-6	Chloride	9.81		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141424-22.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 27-Jun-2014 14:24:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L062714 connie
Misc. Info.: 13636 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 08:53:48 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68875809	2.00	2.07	
2 Chloride	4.542	4.542	0.000	200605232	10.0	9.81	
3 Sulfate	6.242	6.233	0.009	157035184	10.0	10.2	
4 Bromide	7.525	7.525	0.000	85222870	10.0	9.94	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

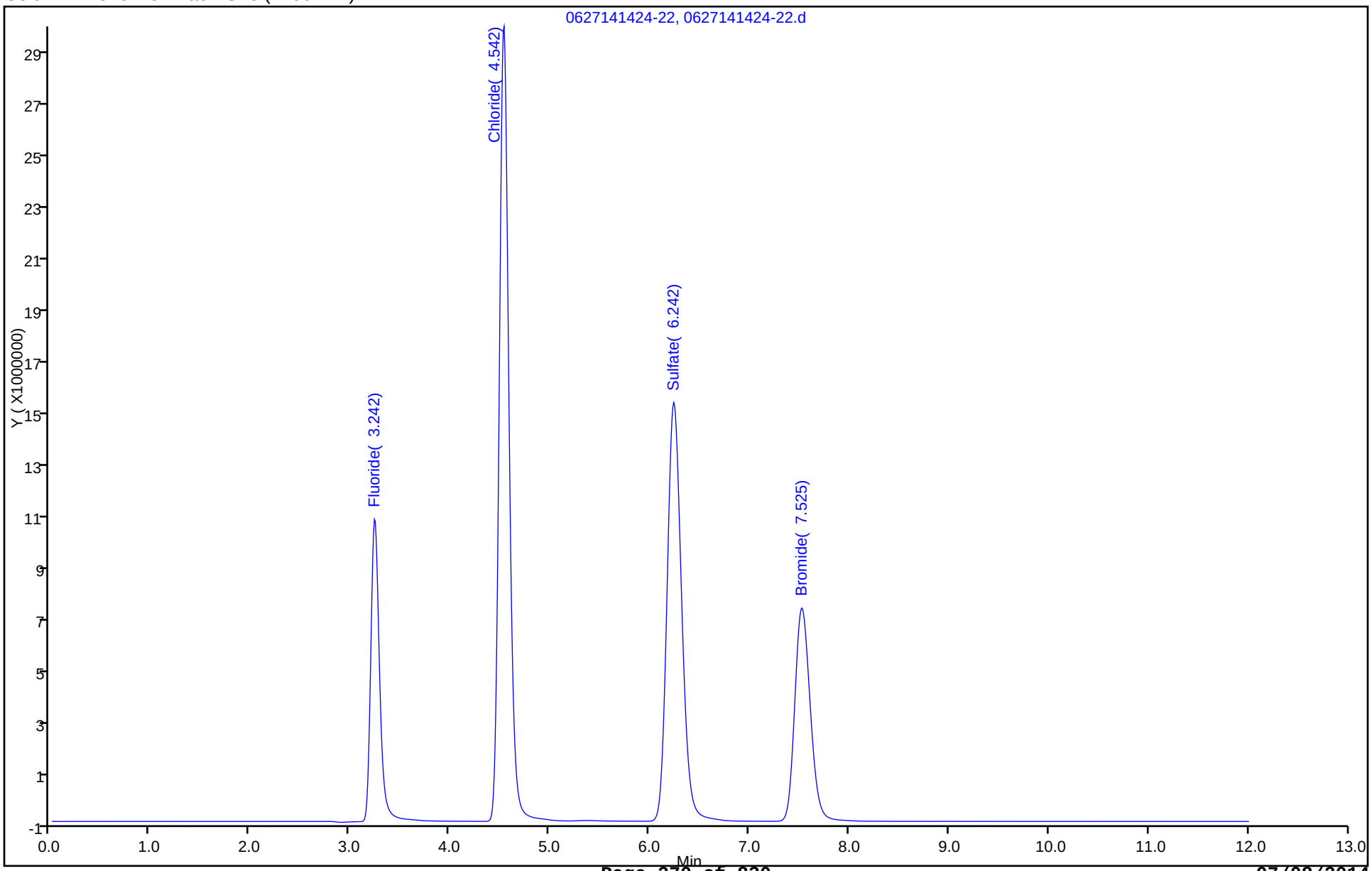
Report Date: 30-Jun-2014 10:10:52 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141424-22.d

Injection Date:	27-Jun-2014 14:24:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	22
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-336665/55

Matrix: Water Lab File ID: 0627142219-55.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 22:19

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.1		0.50	0.25
16984-48-8	Fluoride	2.05		0.10	0.025
16887-00-6	Chloride	9.82		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142219-55.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 27-Jun-2014 22:19:00 ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L062714 connie
Misc. Info.: 6982 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:00 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	68048630	2.00	2.05	
2 Chloride	4.542	4.542	0.000	200955517	10.0	9.82	
3 Sulfate	6.233	6.242	-0.009	155498413	10.0	10.1	
4 Bromide	7.525	7.533	-0.008	85058128	10.0	9.92	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

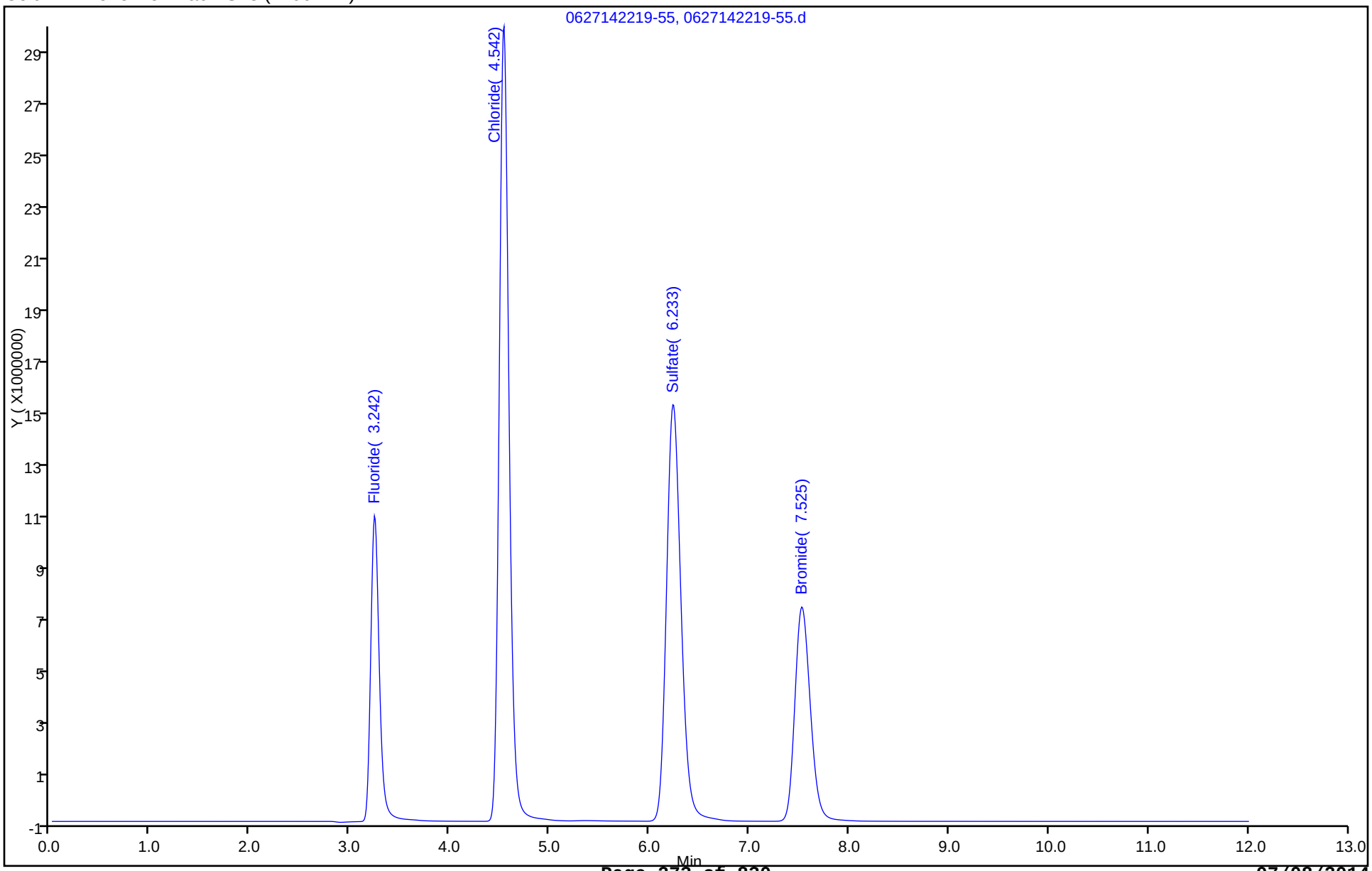
Report Date: 30-Jun-2014 10:11:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142219-55.d

Injection Date:	27-Jun-2014 22:19:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	55
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-336877/7

Matrix: Water Lab File ID: 0630141122-7.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 11:22

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16887-00-6	Chloride	9.85		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141122-7.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 30-Jun-2014 11:22:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L063014 connie
Misc. Info.: 7 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

First Level Reviewer: thorntonp Date: 30-Jun-2014 11:59:32

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	68168303	2.00	2.05	
2 Chloride	4.533	4.533	0.000	201483857	10.0	9.85	
3 Sulfate	6.242	6.233	0.009	158938440	10.0	10.3	
4 Bromide	7.525	7.525	0.000	85529019	10.0	9.98	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

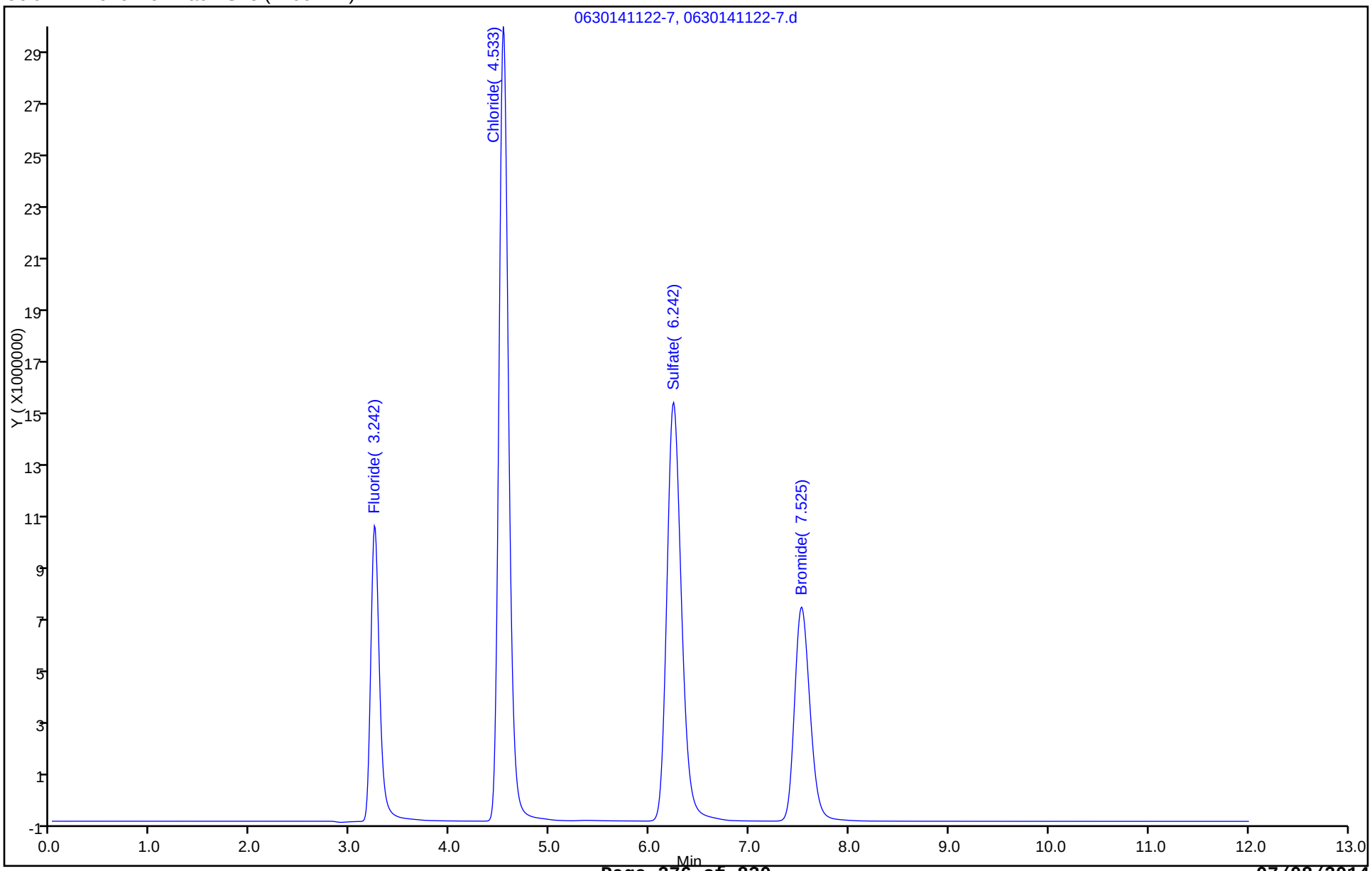
Report Date: 01-Jul-2014 10:32:00 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141122-7.d

Injection Date:	30-Jun-2014 11:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-337073/7

Matrix: Water Lab File ID: 0701141041-7.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/01/2014 10:41

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.: 337073 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	9.86		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141041-7.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 01-Jul-2014 10:41:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L070114 connie
Misc. Info.: 7 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140701-10626.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 02-Jul-2014 08:53:03 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: XAWRK022

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	69460425	2.00	2.09	
2 Chloride	4.542	4.542	0.000	201794382	10.0	9.86	
3 Sulfate	6.250	6.242	0.008	160305066	10.0	10.4	
4 Bromide	7.525	7.525	0.000	85919372	10.0	10.0	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

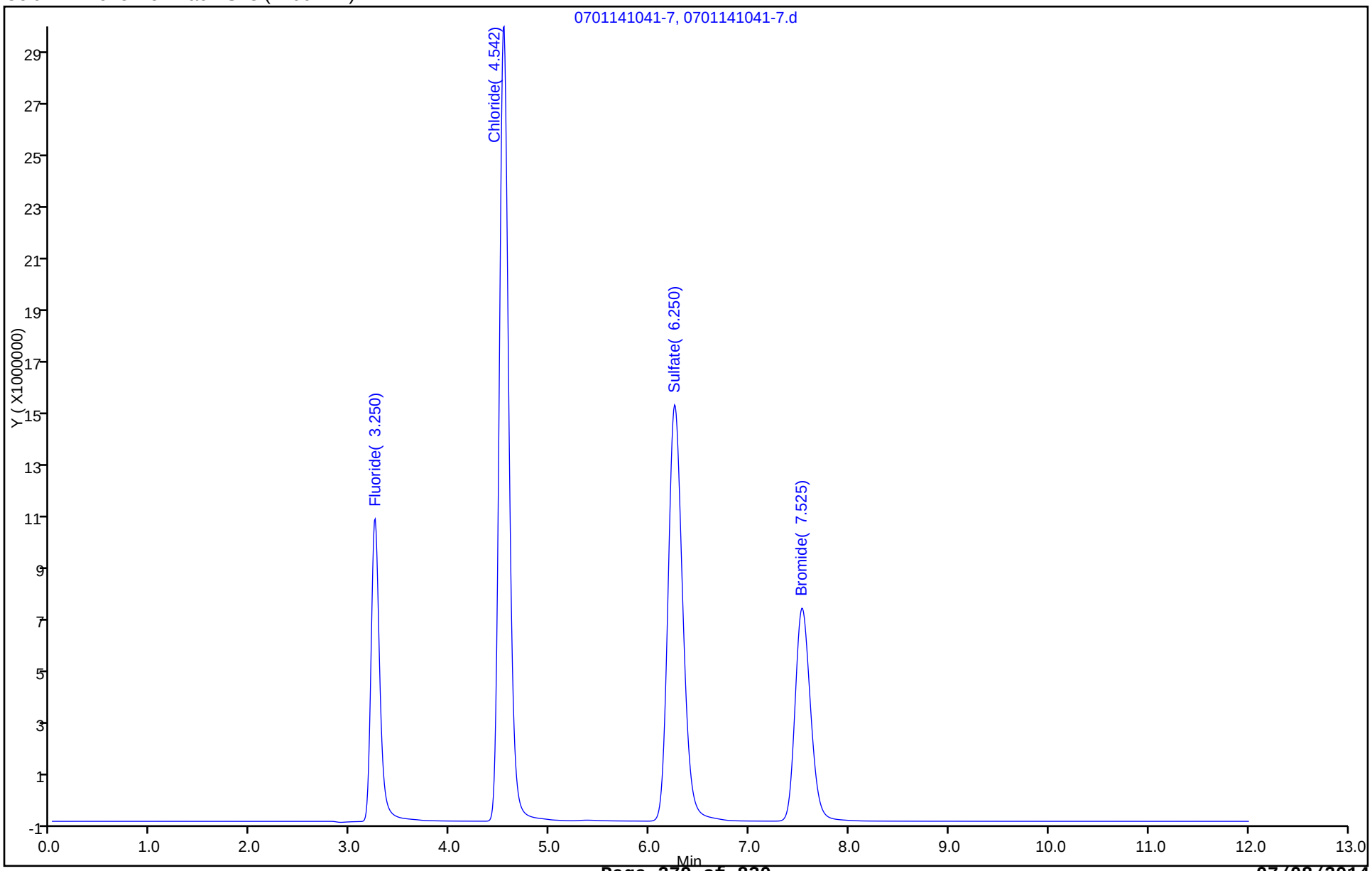
Report Date: 02-Jul-2014 08:53:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140701-10626.b\0701141041-7.d

Injection Date:	01-Jul-2014 10:41:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW13 MS Lab Sample ID: 680-102616-1 MS

Matrix: Water Lab File ID: 0627141507-25.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 15:07

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	36.9		1.0	0.50
16984-48-8	Fluoride	4.34		0.20	0.050

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141507-25.d
Lims ID: 680-102616-F-1 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Jun-2014 15:07:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-F-1 MS 1L062714 connie
Misc. Info.: 8927 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 08:53:48 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	72102547	1.00	2.17	
2 Chloride	4.525	4.542	-0.017	1812356748	5.00	87.9	E
3 Sulfate	6.233	6.233	0.000	283850157	5.00	18.4	
4 Bromide	7.525	7.525	0.000	85510265	5.00	9.98	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

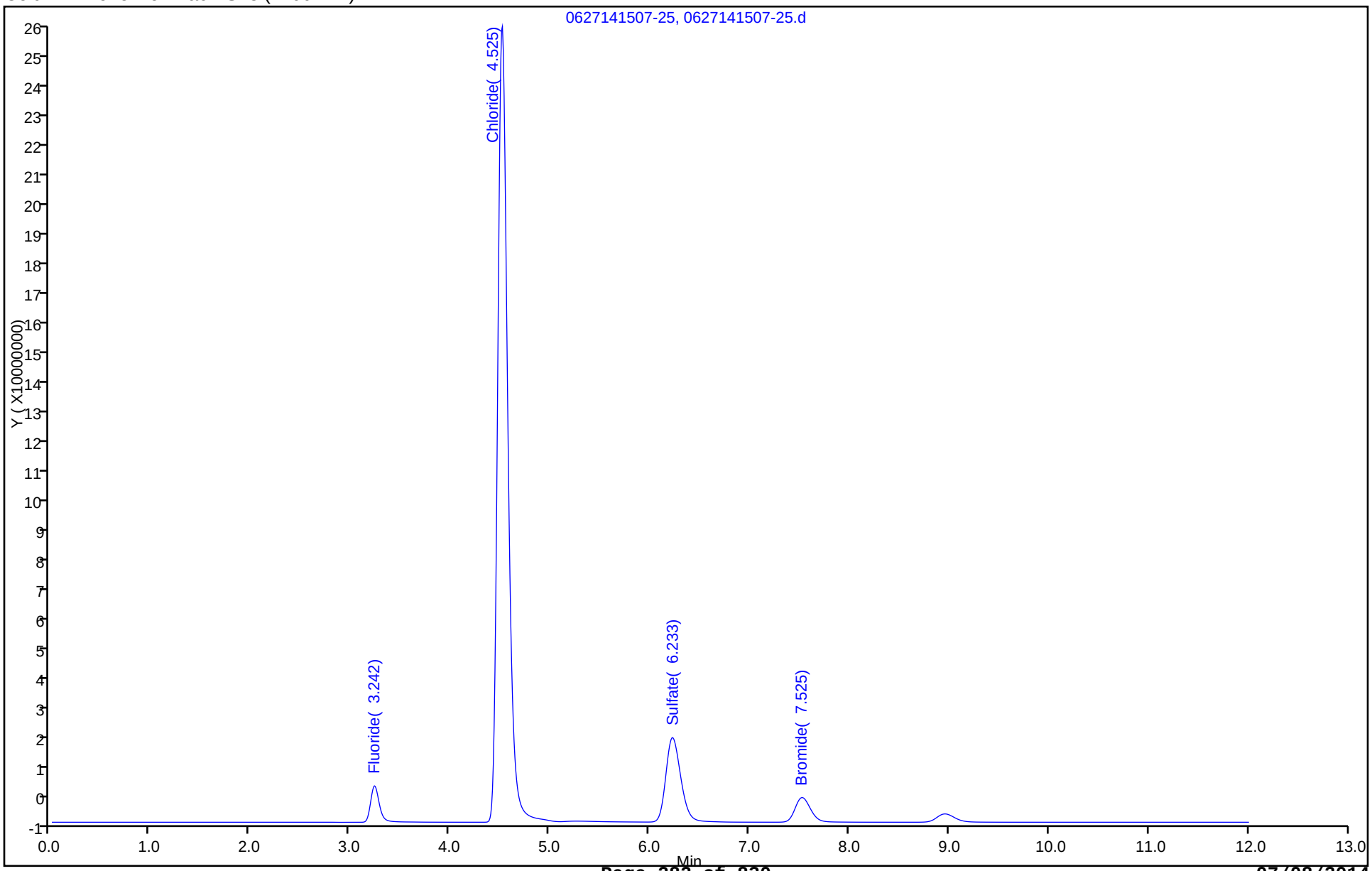
Report Date: 30-Jun-2014 10:10:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141507-25.d

Injection Date:	27-Jun-2014 15:07:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-1 MS			Worklist Smp#:	25
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW14 MS Lab Sample ID: 680-102616-3 MS

Matrix: Water Lab File ID: 0630141234-12.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 12:34

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	54.2		2.0	1.0
16887-00-6	Chloride	170		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141234-12.d
Lims ID: 680-102616-F-3 MS
Client ID:
Sample Type: MS
Inject. Date: 30-Jun-2014 12:34:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-F-3 MS 1L063014 connie
Misc. Info.: 12 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	67940884	0.5000	2.05	
2 Chloride	4.525	4.533	-0.008	875595970	2.50	42.5	
3 Sulfate	6.233	6.233	0.000	208331097	2.50	13.5	
4 Bromide	7.525	7.525	0.000	85391112	2.50	9.96	

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

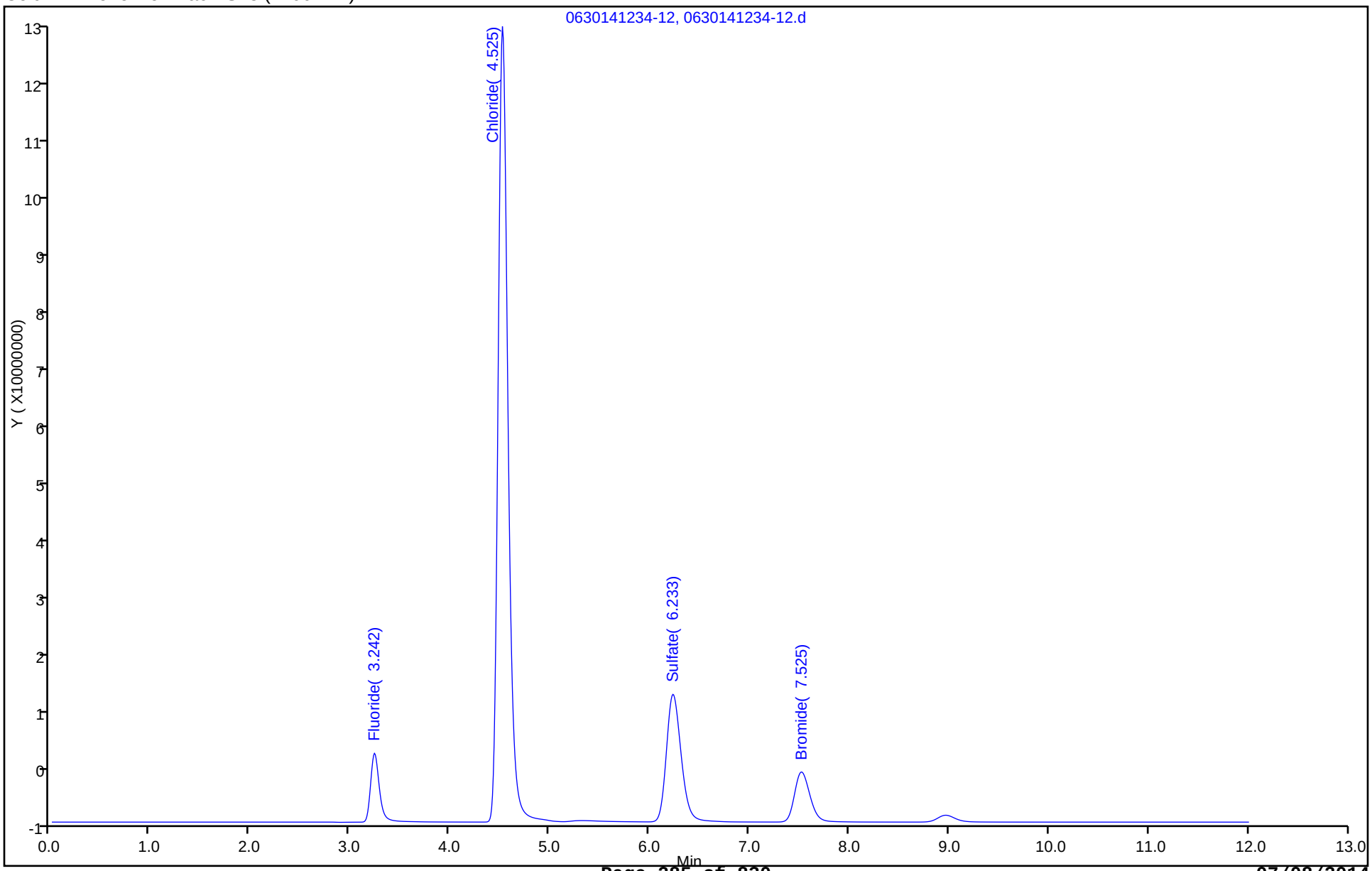
Report Date: 01-Jul-2014 10:32:02 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141234-12.d

Injection Date:	30-Jun-2014 12:34:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-3 MS			Worklist Smp#:	12
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 MS Lab Sample ID: 680-102616-8 MS

Matrix: Water Lab File ID: 0627141858-41.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 18:58

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	70.9		2.0	1.0
16984-48-8	Fluoride	8.64		0.40	0.10

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141858-41.d
Lims ID: 680-102616-F-8 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Jun-2014 18:58:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-F-8 MS 1L062714 connie
Misc. Info.: 10928 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:10:55 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	71731176	0.5000	2.16	
2 Chloride	4.517	4.542	-0.025	2096457835	2.50	101.7	E
3 Sulfate	6.233	6.250	-0.017	272716411	2.50	17.7	
4 Bromide	7.533	7.533	0.000	84852382	2.50	9.90	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

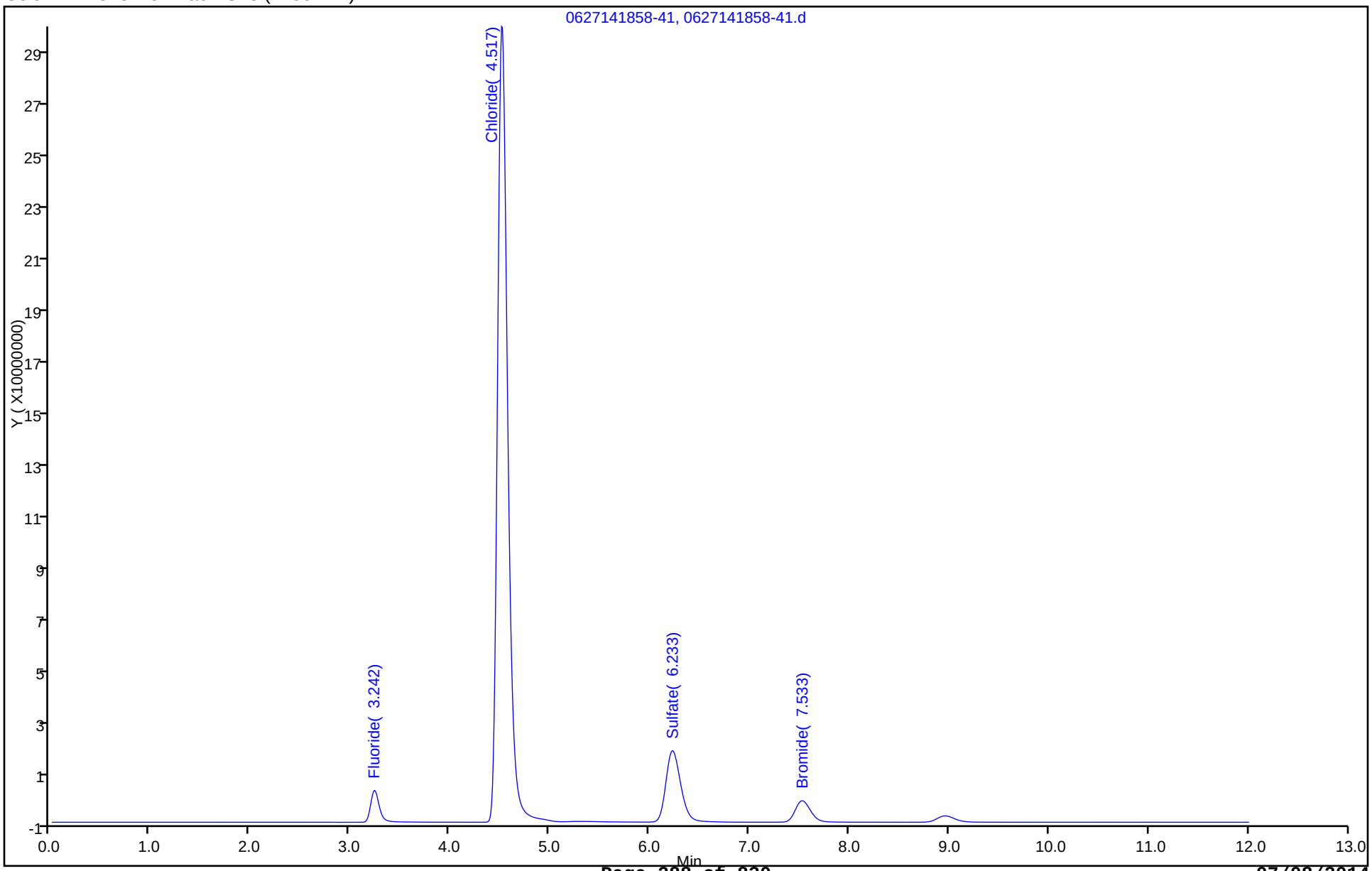
Report Date: 30-Jun-2014 10:10:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141858-41.d

Injection Date:	27-Jun-2014 18:58:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-8 MS			Worklist Smp#:	41
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12A MS Lab Sample ID: 680-102616-12 MS

Matrix: Water Lab File ID: 0627142303-58.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 23:03

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	304		5.0	2.5
16984-48-8	Fluoride	19.9		1.0	0.25
16887-00-6	Chloride	350		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142303-58.d
Lims ID: 680-102616-F-12 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Jun-2014 23:03:00 ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-12 MS 1L062714 connie
Misc. Info.: 12698 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:00 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	65979635	0.2000	1.99	
2 Chloride	4.525	4.542	-0.017	719948898	1.00	35.0	
3 Sulfate	6.192	6.242	-0.050	468174463	1.00	30.4	
4 Bromide	7.525	7.533	-0.008	84319114	1.00	9.84	

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

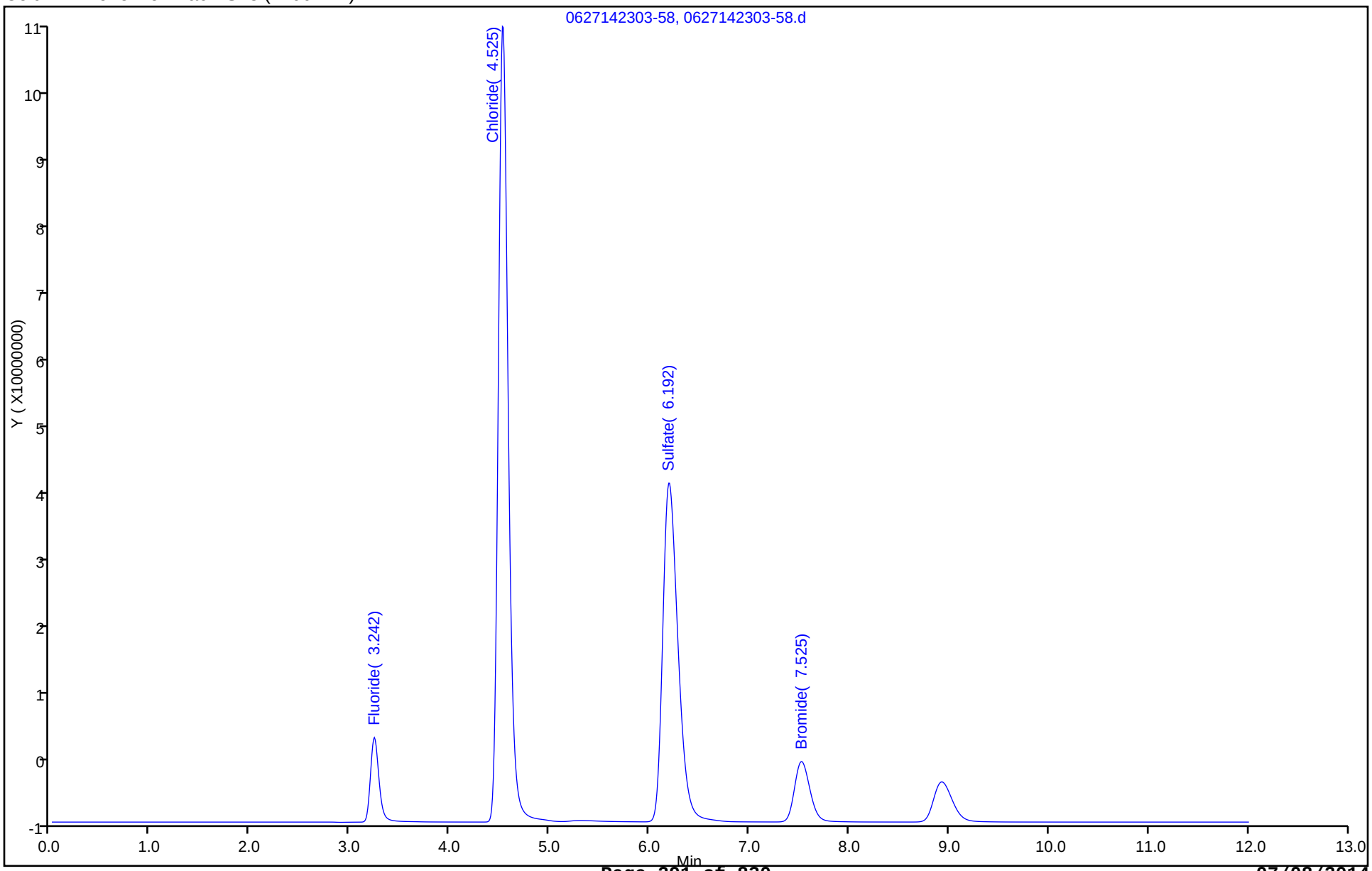
Report Date: 30-Jun-2014 10:11:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142303-58.d

Injection Date:	27-Jun-2014 23:03:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-12 MS			Worklist Smp#:	58
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW13 MSD Lab Sample ID: 680-102616-1 MSD

Matrix: Water Lab File ID: 0627141522-26.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 15:22

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	36.7		1.0	0.50
16984-48-8	Fluoride	4.28		0.20	0.050

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141522-26.d
Lims ID: 680-102616-F-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Jun-2014 15:22:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-F-1 MSD 1L062714 connie
Misc. Info.: 28270 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 08:53:48 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	71030076	1.00	2.14	
2 Chloride	4.525	4.542	-0.017	1823663568	5.00	88.5	E
3 Sulfate	6.233	6.233	0.000	281949035	5.00	18.3	
4 Bromide	7.533	7.525	0.008	83930439	5.00	9.79	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

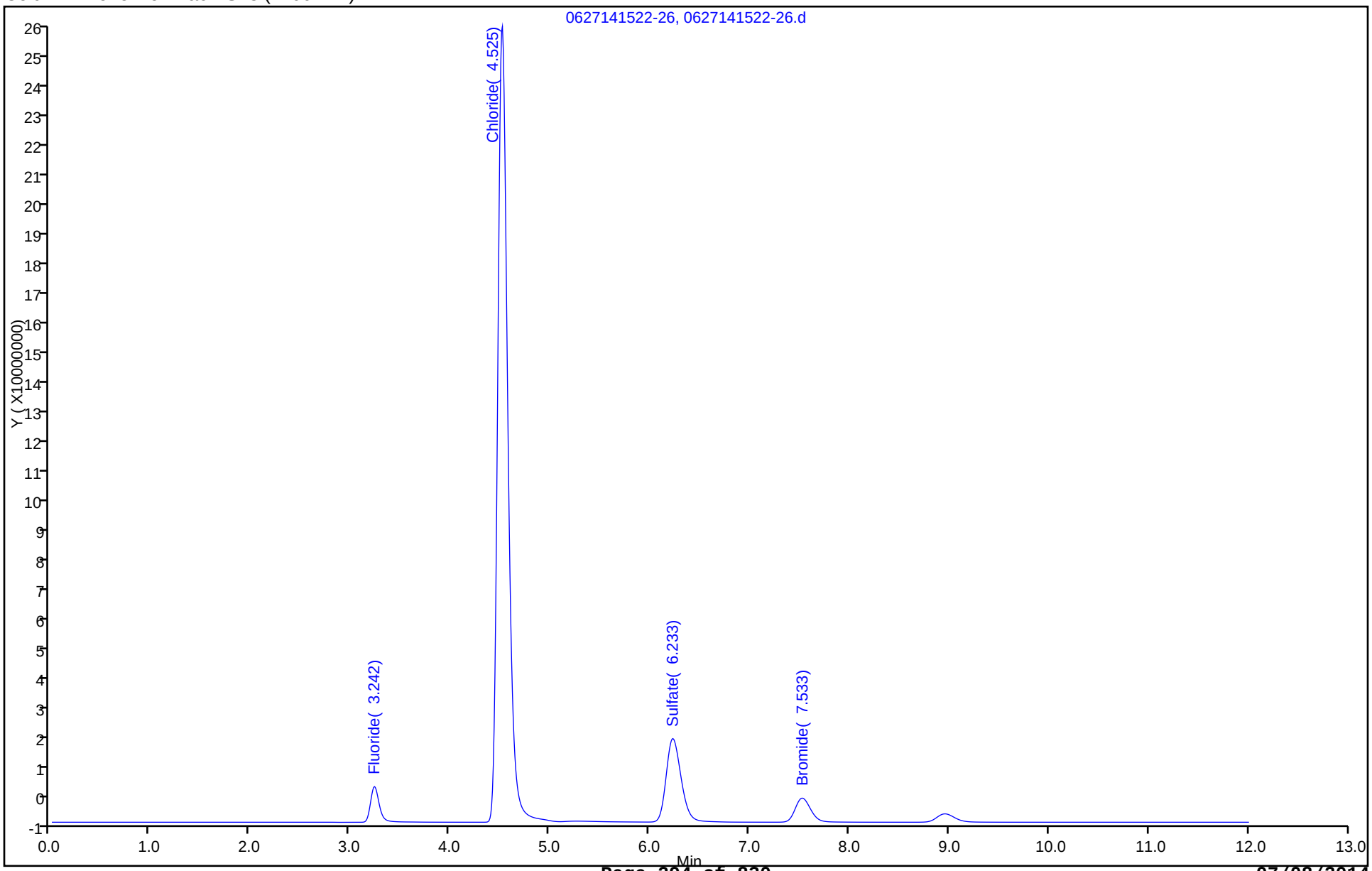
Report Date: 30-Jun-2014 10:10:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141522-26.d

Injection Date:	27-Jun-2014 15:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-1 MSD			Worklist Smp#:	26
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW14 MSD Lab Sample ID: 680-102616-3 MSD

Matrix: Water Lab File ID: 0630141248-13.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/30/2014 12:48

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.: 336877 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	54.2		2.0	1.0
16887-00-6	Chloride	170		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141248-13.d
Lims ID: 680-102616-F-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 30-Jun-2014 12:48:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-F-3 MSD 1L063014 connie
Misc. Info.: 13 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140630-10585.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 01-Jul-2014 10:31:57 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: XAWRK012

First Level Reviewer: thorntonp Date: 30-Jun-2014 13:26:55

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	68071662	0.5000	2.05	
2 Chloride	4.525	4.533	-0.008	874144201	2.50	42.5	
3 Sulfate	6.233	6.233	0.000	208508225	2.50	13.6	
4 Bromide	7.525	7.525	0.000	85457858	2.50	9.97	

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

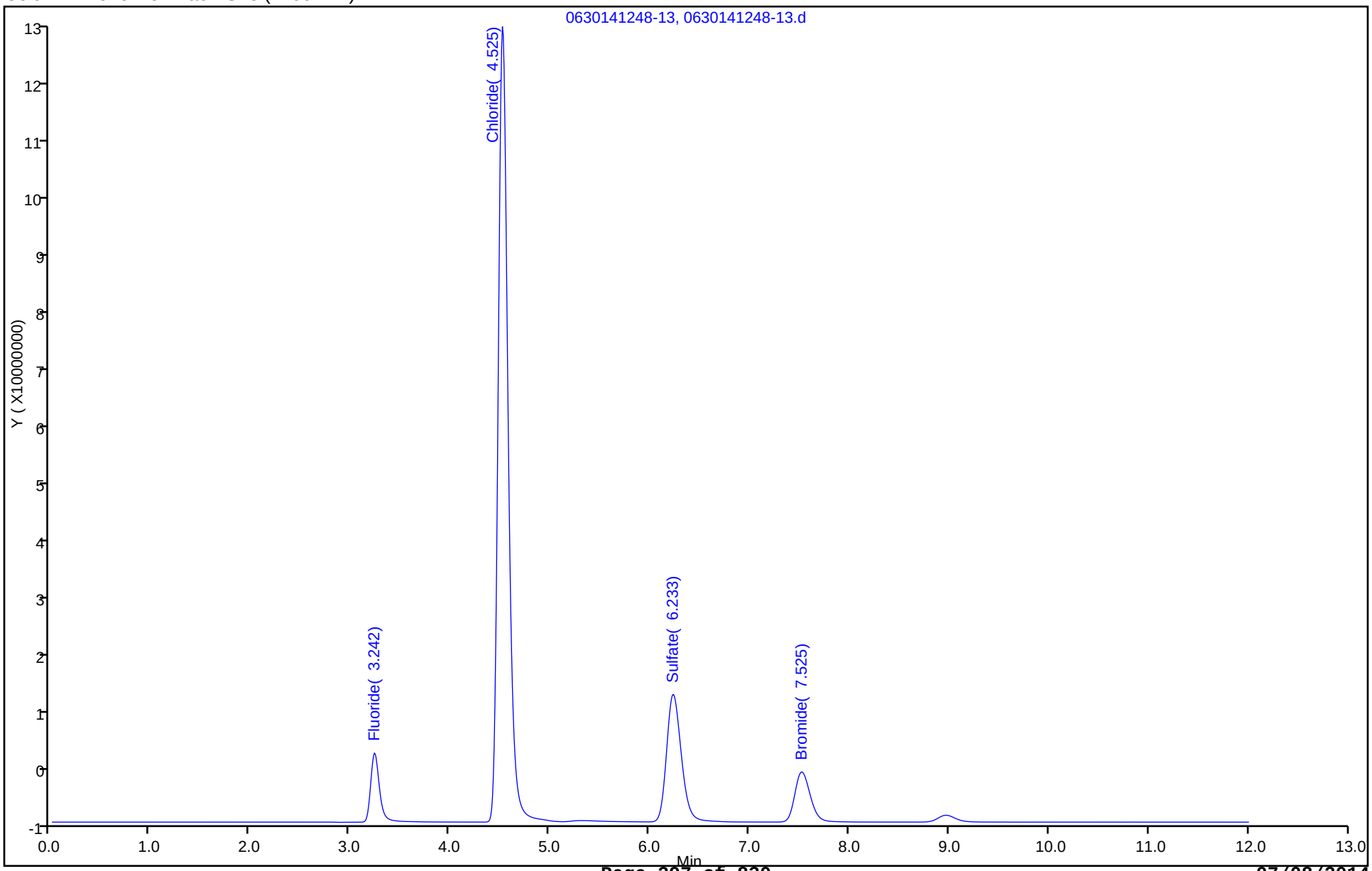
Report Date: 01-Jul-2014 10:32:02 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140630-10585.b\0630141248-13.d

Injection Date:	30-Jun-2014 12:48:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-3 MSD			Worklist Smp#:	13
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 MSD Lab Sample ID: 680-102616-8 MSD

Matrix: Water Lab File ID: 0627141912-42.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 19:12

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.: 336664 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	70.4		2.0	1.0
16984-48-8	Fluoride	8.56		0.40	0.10

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141912-42.d
Lims ID: 680-102616-F-8 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Jun-2014 19:12:00 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-F-8 MSD 1L062714 connie
Misc. Info.: 15629 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:10:55 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	71118347	0.5000	2.14	
2 Chloride	4.525	4.542	-0.017	2075464960	2.50	100.7	E
3 Sulfate	6.225	6.250	-0.025	270703775	2.50	17.6	
4 Bromide	7.525	7.533	-0.008	84207012	2.50	9.83	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

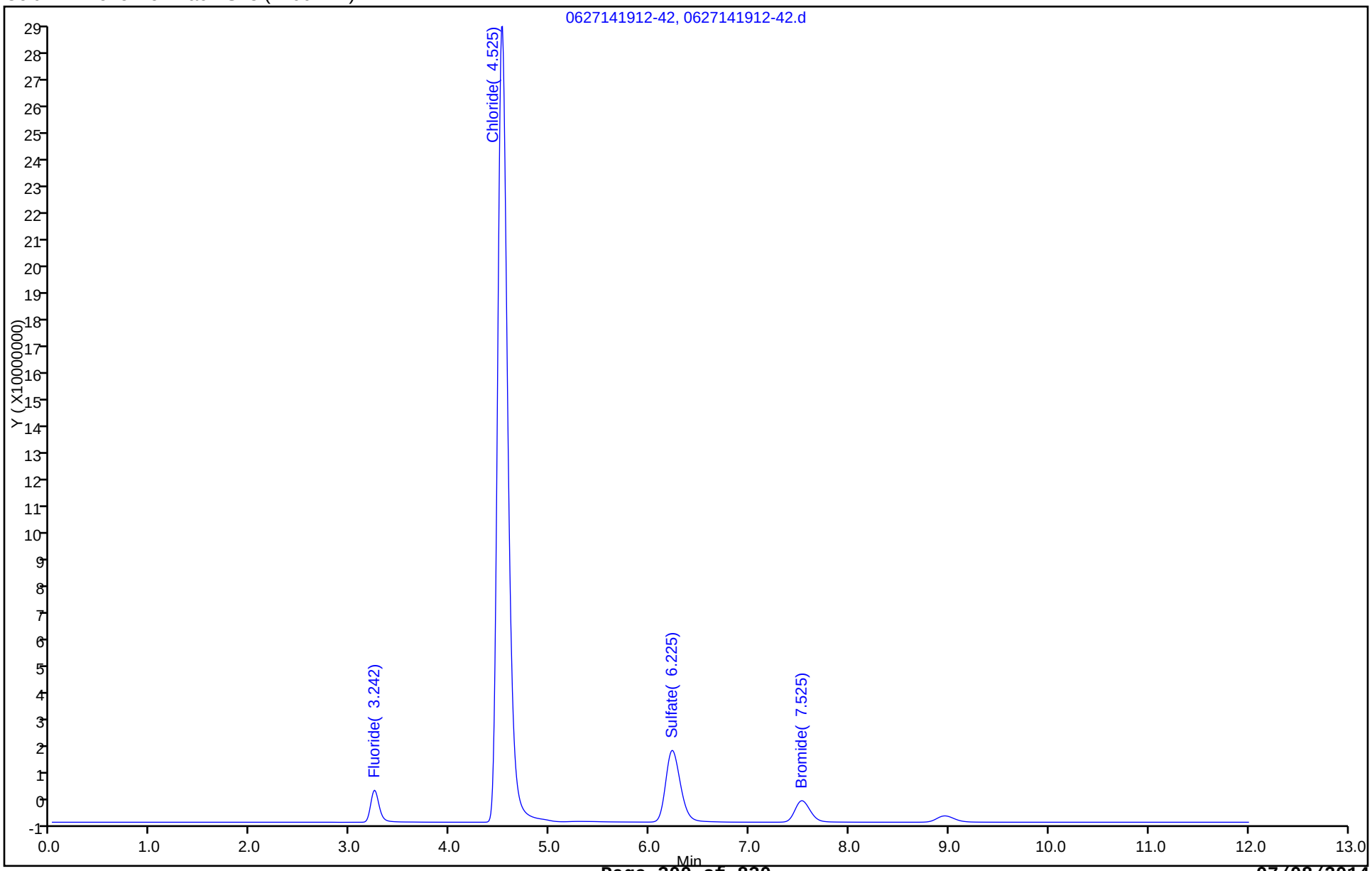
Report Date: 30-Jun-2014 10:10:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627141912-42.d

Injection Date:	27-Jun-2014 19:12:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-8 MSD			Worklist Smp#:	42
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12A MSD Lab Sample ID: 680-102616-12 MSD

Matrix: Water Lab File ID: 0627142317-59.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 23:17

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.: 336665 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	305		5.0	2.5
16984-48-8	Fluoride	20.0		1.0	0.25
16887-00-6	Chloride	351		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142317-59.d
Lims ID: 680-102616-F-12 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Jun-2014 23:17:00 ALS Bottle#: 0 Worklist Smp#: 59
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-F-12 MSD 1L062714 connie
Misc. Info.: 22439 3576126
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140627-10526.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 30-Jun-2014 10:11:00 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: XAWRK003

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.242	0.000	66378137	0.2000	2.00	
2 Chloride	4.533	4.542	-0.009	722998712	1.00	35.1	
3 Sulfate	6.200	6.242	-0.042	469285788	1.00	30.5	
4 Bromide	7.525	7.533	-0.008	84954751	1.00	9.91	

Reagents:

All_Anions_00051 Amount Added: 0.05 Units: mL

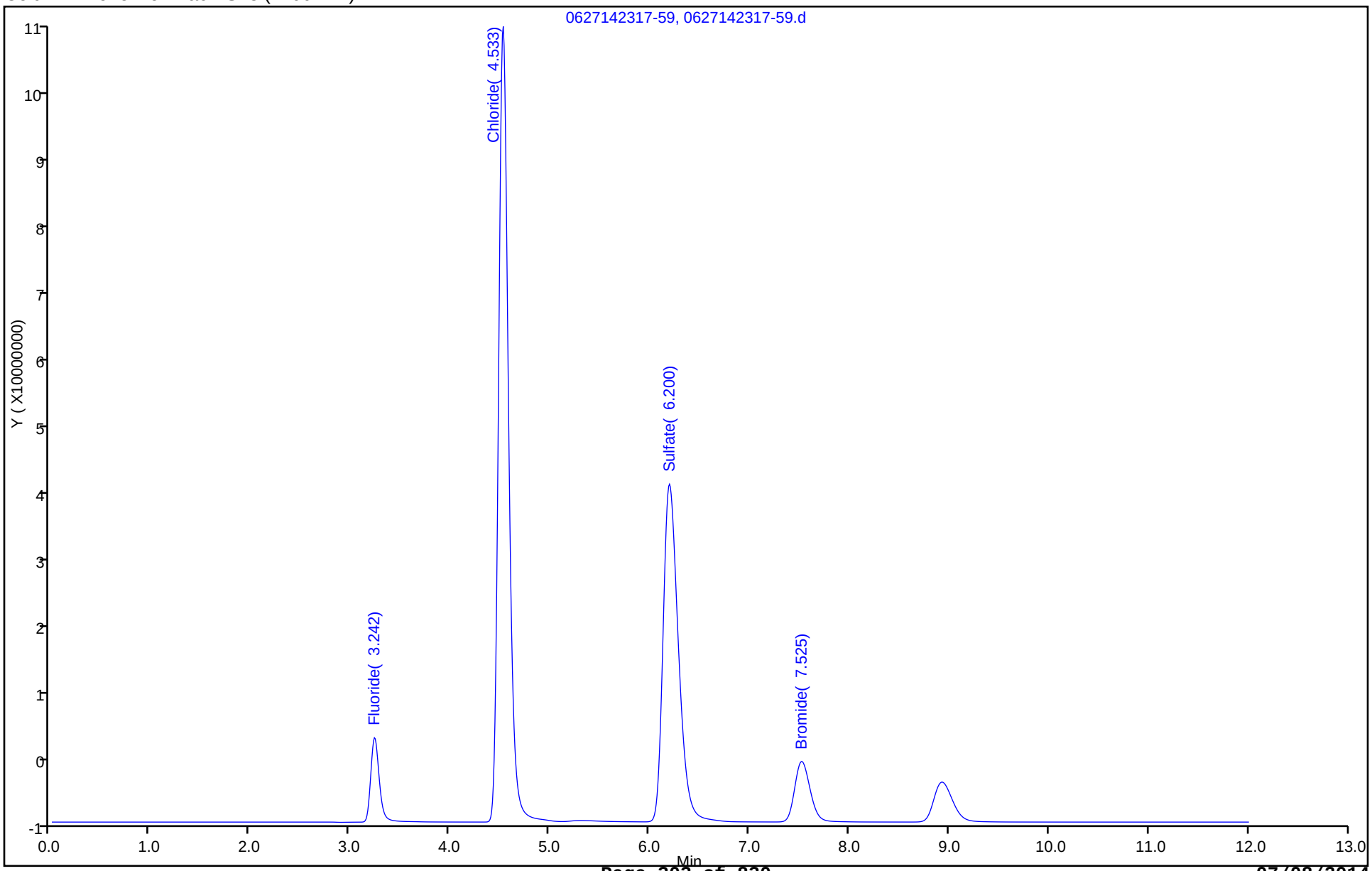
Report Date: 30-Jun-2014 10:11:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140627-10526.b\0627142317-59.d

Injection Date:	27-Jun-2014 23:17:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102616-F-12 MSD			Worklist Smp#:	59
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

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		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)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICL Start Date: 06/27/2014 13:41

Analysis Batch Number: 336664 End Date: 06/27/2014 21:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-336664/19		06/27/2014 13:41	1	0627141341-19.d	Dionex AS18 4(mm)
MB 680-336664/20		06/27/2014 13:55	1	0627141355-20.d	Dionex AS18 4(mm)
LCS 680-336664/21		06/27/2014 14:09	1	0627141409-21.d	Dionex AS18 4(mm)
LCSD 680-336664/22		06/27/2014 14:24	1	0627141424-22.d	Dionex AS18 4(mm)
680-102616-1	SMSSW13	06/27/2014 14:38	1	0627141438-23.d	Dionex AS18 4(mm)
680-102616-1	SMSSW13	06/27/2014 14:53	2	0627141453-24.d	Dionex AS18 4(mm)
680-102616-1 MS	SMSSW13 MS	06/27/2014 15:07	2	0627141507-25.d	Dionex AS18 4(mm)
680-102616-1 MSD	SMSSW13 MSD	06/27/2014 15:22	2	0627141522-26.d	Dionex AS18 4(mm)
680-102616-2	SMSSW09	06/27/2014 15:36	1	0627141536-27.d	Dionex AS18 4(mm)
680-102616-3	SMSSW14	06/27/2014 16:05	1	0627141605-29.d	Dionex AS18 4(mm)
680-102616-4	SMSSW09 Spring	06/27/2014 16:34	1	0627141634-31.d	Dionex AS18 4(mm)
CCV 680-336664/33		06/27/2014 17:02	1	0627141702-33.d	Dionex AS18 4(mm)
CCB 680-336664/34		06/27/2014 17:17	1	0627141717-34.d	Dionex AS18 4(mm)
680-102616-5	SMSSW01	06/27/2014 17:31	1	0627141731-35.d	Dionex AS18 4(mm)
680-102616-6	SMSSW11	06/27/2014 17:46	1	0627141746-36.d	Dionex AS18 4(mm)
680-102616-7	SMSSW08 Spring	06/27/2014 18:00	1	0627141800-37.d	Dionex AS18 4(mm)
680-102616-7	SMSSW08 Spring	06/27/2014 18:14	10	0627141814-38.d	Dionex AS18 4(mm)
680-102616-8	SMSSW08	06/27/2014 18:29	1	0627141829-39.d	Dionex AS18 4(mm)
680-102616-8	SMSSW08	06/27/2014 18:43	4	0627141843-40.d	Dionex AS18 4(mm)
680-102616-8 MS	SMSSW08 MS	06/27/2014 18:58	4	0627141858-41.d	Dionex AS18 4(mm)
680-102616-8 MSD	SMSSW08 MSD	06/27/2014 19:12	4	0627141912-42.d	Dionex AS18 4(mm)
680-102616-9	SMSSW04	06/27/2014 19:26	1	0627141926-43.d	Dionex AS18 4(mm)
680-102616-9	SMSSW04	06/27/2014 19:41	4	0627141941-44.d	Dionex AS18 4(mm)
CCV 680-336664/45		06/27/2014 19:55	1	0627141955-45.d	Dionex AS18 4(mm)
CCB 680-336664/46		06/27/2014 20:10	1	0627142010-46.d	Dionex AS18 4(mm)
680-102616-10	SMSSW94	06/27/2014 20:24	1	0627142024-47.d	Dionex AS18 4(mm)
680-102616-11	SMSMW07A	06/27/2014 20:38	50	0627142038-48.d	Dionex AS18 4(mm)
680-102616-11	SMSMW07A	06/27/2014 21:07	500	0627142107-50.d	Dionex AS18 4(mm)
CCV 680-336664/52		06/27/2014 21:36	1	0627142136-52.d	Dionex AS18 4(mm)
CCB 680-336664/53		06/27/2014 21:50	1	0627142150-53.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICL Start Date: 06/27/2014 21:36

Analysis Batch Number: 336665 End Date: 06/28/2014 02:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-336665/52		06/27/2014 21:36	1	0627142136-52.d	Dionex AS18 4(mm)
MB 680-336665/53		06/27/2014 21:50	1	0627142150-53.d	Dionex AS18 4(mm)
LCS 680-336665/54		06/27/2014 22:05	1	0627142205-54.d	Dionex AS18 4(mm)
LCSD 680-336665/55		06/27/2014 22:19	1	0627142219-55.d	Dionex AS18 4(mm)
680-102616-12	SMSMW12A	06/27/2014 22:34	1	0627142234-56.d	Dionex AS18 4(mm)
680-102616-12	SMSMW12A	06/27/2014 22:48	10	0627142248-57.d	Dionex AS18 4(mm)
680-102616-12 MS	SMSMW12A MS	06/27/2014 23:03	10	0627142303-58.d	Dionex AS18 4(mm)
680-102616-12 MSD	SMSMW12A MSD	06/27/2014 23:17	10	0627142317-59.d	Dionex AS18 4(mm)
680-102616-13	SMSMW12B	06/27/2014 23:31	1	0627142331-60.d	Dionex AS18 4(mm)
680-102616-13	SMSMW12B	06/27/2014 23:46	20	0627142346-61.d	Dionex AS18 4(mm)
680-102616-14	SMSMW07B	06/28/2014 00:00	100	0628140000-62.d	Dionex AS18 4(mm)
680-102616-14	SMSMW07B	06/28/2014 00:29	2000	0628140029-64.d	Dionex AS18 4(mm)
CCV 680-336665/66		06/28/2014 00:58	1	0628140058-66.d	Dionex AS18 4(mm)
CCB 680-336665/67		06/28/2014 01:12	1	0628140112-67.d	Dionex AS18 4(mm)
680-102616-15	SMSMW11B	06/28/2014 01:27	25	0628140127-68.d	Dionex AS18 4(mm)
680-102616-15	SMSMW11B	06/28/2014 01:41	100	0628140141-69.d	Dionex AS18 4(mm)
CCV 680-336665/70		06/28/2014 01:55	1	0628140155-70.d	Dionex AS18 4(mm)
CCB 680-336665/71		06/28/2014 02:10	1	0628140210-71.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICL Start Date: 06/30/2014 10:38

Analysis Batch Number: 336877 End Date: 06/30/2014 14:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-336877/4		06/30/2014 10:38	1	0630141038-4.d	Dionex AS18 4(mm)
MB 680-336877/5		06/30/2014 10:53	1	0630141053-5.d	Dionex AS18 4(mm)
LCS 680-336877/6		06/30/2014 11:07	1	0630141107-6.d	Dionex AS18 4(mm)
LCSD 680-336877/7		06/30/2014 11:22	1	0630141122-7.d	Dionex AS18 4(mm)
680-102616-1	SMSSW13	06/30/2014 11:50	4	0630141150-9.d	Dionex AS18 4(mm)
680-102616-2	SMSSW09	06/30/2014 12:05	10	0630141205-10.d	Dionex AS18 4(mm)
680-102616-3	SMSSW14	06/30/2014 12:19	4	0630141219-11.d	Dionex AS18 4(mm)
680-102616-3 MS	SMSSW14 MS	06/30/2014 12:34	4	0630141234-12.d	Dionex AS18 4(mm)
680-102616-3 MSD	SMSSW14 MSD	06/30/2014 12:48	4	0630141248-13.d	Dionex AS18 4(mm)
680-102616-4	SMSSW09 Spring	06/30/2014 13:02	10	0630141302-14.d	Dionex AS18 4(mm)
680-102616-8	SMSSW08	06/30/2014 13:17	10	0630141317-15.d	Dionex AS18 4(mm)
680-102616-10	SMSSW94	06/30/2014 13:46	10	0630141346-17.d	Dionex AS18 4(mm)
CCV 680-336877/19		06/30/2014 14:14	1	0630141414-19.d	Dionex AS18 4(mm)
CCB 680-336877/20		06/30/2014 14:29	1	0630141429-20.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICL Start Date: 07/01/2014 09:58

Analysis Batch Number: 337073 End Date: 07/01/2014 16:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-337073/4		07/01/2014 09:58	1	0701140958-4.d	Dionex AS18 4(mm)
MB 680-337073/5		07/01/2014 10:12	1	0701141012-5.d	Dionex AS18 4(mm)
LCS 680-337073/6		07/01/2014 10:27	1	0701141027-6.d	Dionex AS18 4(mm)
LCSD 680-337073/7		07/01/2014 10:41	1	0701141041-7.d	Dionex AS18 4(mm)
ZZZZZ		07/01/2014 11:10	4		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 11:24	4		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 11:39	4		Dionex AS18 4(mm)
680-102616-9	SMSSW04	07/01/2014 12:22	100	0701141222-14.d	Dionex AS18 4(mm)
680-102616-10	SMSSW94	07/01/2014 12:36	100	0701141236-15.d	Dionex AS18 4(mm)
CCV 680-337073/16		07/01/2014 12:51	1	0701141251-16.d	Dionex AS18 4(mm)
CCB 680-337073/17		07/01/2014 13:05	1	0701141305-17.d	Dionex AS18 4(mm)
ZZZZZ		07/01/2014 13:20	2		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 13:34	20		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 13:48	1		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 14:03	10		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 14:17	10		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 14:32	10		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 14:46	1		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 15:00	10		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 15:15	1		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 15:29	4		Dionex AS18 4(mm)
CCV 680-337073/28		07/01/2014 15:44	1	0701141544-28.d	Dionex AS18 4(mm)
CCB 680-337073/29		07/01/2014 15:58	1	0701141558-29.d	Dionex AS18 4(mm)
ZZZZZ		07/01/2014 16:12	1		Dionex AS18 4(mm)
ZZZZZ		07/01/2014 16:27	10		Dionex AS18 4(mm)
CCV 680-337073/32		07/01/2014 16:41	1	0701141641-32.d	Dionex AS18 4(mm)
CCB 680-337073/33		07/01/2014 16:56	1	0701141656-33.d	Dionex AS18 4(mm)

300_ORGFMS

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624141347-12.d

Lab ID: LCS 680-336028/12 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.29	100	90-110	
Nitrate as NO3	4.42	4.49	102	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624142323-41.d

Lab ID: LCS 680-336048/39 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.30	101	90-110	
Nitrate as NO3	4.42	4.58	104	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0625141013-6.d

Lab ID: LCS 680-336172/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.37	103	90-110	
Nitrate as NO3	4.42	4.64	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624141402-13.d

Lab ID: LCSD 680-336028/13 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	3.30	100	0	30	90-110	
Nitrate as NO3	4.42	4.47	101	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624142339-42.d

Lab ID: LCSD 680-336048/40 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	3.31	101	0	30	90-110	
Nitrate as NO3	4.42	4.60	104	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0625141028-7.d

Lab ID: LCSD 680-336172/7 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	4.63	105	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624141815-21.d

Lab ID: 680-102616-7 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	6.56	<0.16	6.06	92	80-120	
Nitrate as NO3	8.84	10	20.7	120	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0625141231-15.d

Lab ID: 680-102616-15 MS Client ID: SMSMW11B MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Nitrite as NO2	32.8	<0.82	28.6	87	80-120	
Nitrate as NO3	44.2	2.0 J	46.2	100	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0624141831-22.d

Lab ID: 680-102616-7 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	6.56	6.05	92	0	30	80-120	
Nitrate as NO3	8.84	20.6	118	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.: 680-102616-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 0625141247-16.d

Lab ID: 680-102616-15 MSD Client ID: SMSMW11B MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	32.8	28.5	87	0	30	80-120	
Nitrate as NO3	44.2	46.0	100	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.: 680-102616-1

SDG No.:

Lab File ID: 0624141331-11.d Lab Sample ID: MB 680-336028/11

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 06/24/2014 13:31

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 680-336028/1011	0624141331-11-ICB.d	06/24/2014 13:31
	LCS 680-336028/12	0624141347-12.d	06/24/2014 13:47
	LCSD 680-336028/13	0624141402-13.d	06/24/2014 14:02
SMSSW11	680-102616-6	0624141643-15.d	06/24/2014 16:43
SMSSW14	680-102616-3	0624141658-16.d	06/24/2014 16:58
SMSSW09 Spring	680-102616-4	0624141714-17.d	06/24/2014 17:14
SMSSW08 Spring	680-102616-7	0624141800-20.d	06/24/2014 18:00
SMSSW08 Spring MS	680-102616-7 MS	0624141815-21.d	06/24/2014 18:15
SMSSW08 Spring MSD	680-102616-7 MSD	0624141831-22.d	06/24/2014 18:31
SMSSW08	680-102616-8	0624141846-23.d	06/24/2014 18:46
SMSSW04	680-102616-9	0624141902-24.d	06/24/2014 19:02
SMSSW94	680-102616-10	0624141917-25.d	06/24/2014 19:17
	CCB 680-336028/26	0624142003-28.d	06/24/2014 20:03
SMSMW12A	680-102616-12	0624142019-29.d	06/24/2014 20:19
SMSMW12B	680-102616-13	0624142034-30.d	06/24/2014 20:34
SMSMW11B	680-102616-15	0624142136-34.d	06/24/2014 21:36
	CCB 680-336028/38	0624142308-40.d	06/24/2014 23:08

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0624142308-40.d Lab Sample ID: MB 680-336048/38

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 06/24/2014 23:08

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336048/39	0624142323-41.d	06/24/2014 23:23
	LCSD 680-336048/40	0624142339-42.d	06/24/2014 23:39
SMSSW09 Spring DL	680-102616-4 DL	0625140040-46.d	06/25/2014 00:40
SMSSW08	680-102616-8	0625140056-47.d	06/25/2014 00:56
SMSSW13	680-102616-1	0625140111-48.d	06/25/2014 01:11
SMSSW09	680-102616-2	0625140127-49.d	06/25/2014 01:27
SMSSW01	680-102616-5	0625140142-50.d	06/25/2014 01:42
	CCB 680-336048/48	0625140213-52.d	06/25/2014 02:13

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab File ID: 0625140957-5.d Lab Sample ID: MB 680-336172/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 06/25/2014 09:57

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336172/6	0625141013-6.d	06/25/2014 10:13
	LCSD 680-336172/7	0625141028-7.d	06/25/2014 10:28
SMSSW04	680-102616-9	0625141044-8.d	06/25/2014 10:44
SMSSW94	680-102616-10	0625141059-9.d	06/25/2014 10:59
SMSMW07A	680-102616-11	0625141114-10.d	06/25/2014 11:14
SMSMW07B	680-102616-14	0625141145-12.d	06/25/2014 11:45
SMSMW11B	680-102616-15	0625141216-14.d	06/25/2014 12:16
SMSMW11B MS	680-102616-15 MS	0625141231-15.d	06/25/2014 12:31
SMSMW11B MSD	680-102616-15 MSD	0625141247-16.d	06/25/2014 12:47
SMSSW09	680-102616-2	0625141302-17.d	06/25/2014 13:02
	CCB 680-336172/20	0625141348-20.d	06/25/2014 13:48

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW13 Lab Sample ID: 680-102616-1

Matrix: Water Lab File ID: 0625140111-48.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 01:11

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.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082	H	0.17	0.082
STL00672	Nitrate as NO3	7.3	H	0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140111-48.d
Lims ID: 680-102616-G-1 Lab Sample ID: 680-102616-1
Client ID: SMSSW13
Sample Type: Client
Inject. Date: 25-Jun-2014 01:11:00 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-102616-G-1 1G062414 Anion
Misc. Info.: 4698
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 12:01:46 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 13:05:03

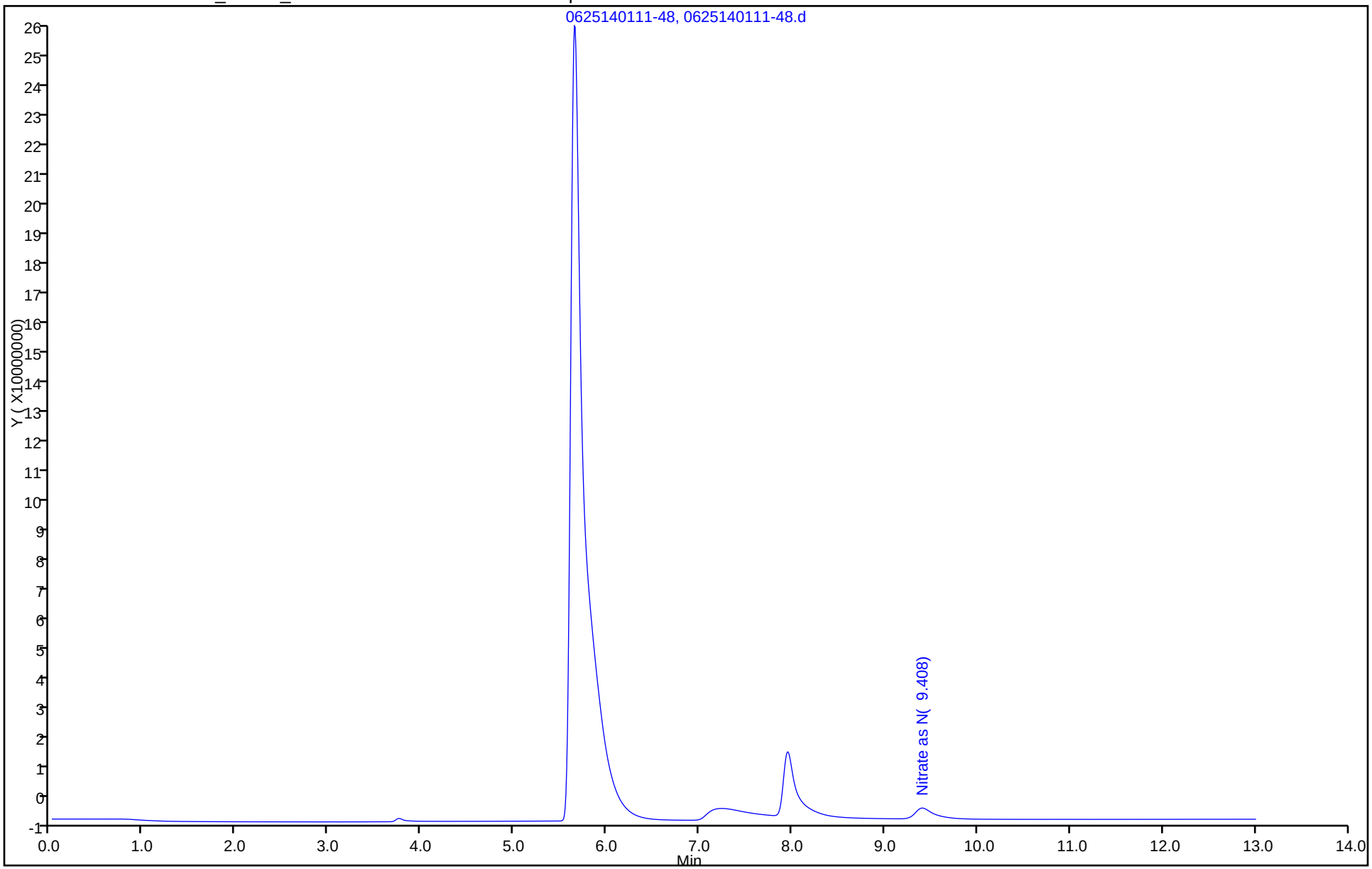
	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
	6 Nitrate as N	9.408	9.442	-0.034	51197848	1.66	
S	10 Nitrate as NO3					7.33	

Report Date: 26-Jun-2014 12:01:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140111-48.d

Injection Date:	25-Jun-2014 01:11:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-1	Lab Sample ID:	680-102616-1	Worklist Smp#:	44
Client ID:	SMSSW13				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Matrix: Water Lab File ID: 0625140127-49.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 01:27

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

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

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

Analysis Batch No.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082	H	0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140127-49.d				
Lims ID:	680-102616-G-2	Lab Sample ID:	680-102616-2		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 01:27:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-G-2 1G062414 Anion				
Misc. Info.:	29584				
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 12:01:46	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 13:05:05		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.383	9.442	-0.059	93336037	3.00	E
S 10 Nitrate as NO3					13.3	

QC Flag Legend

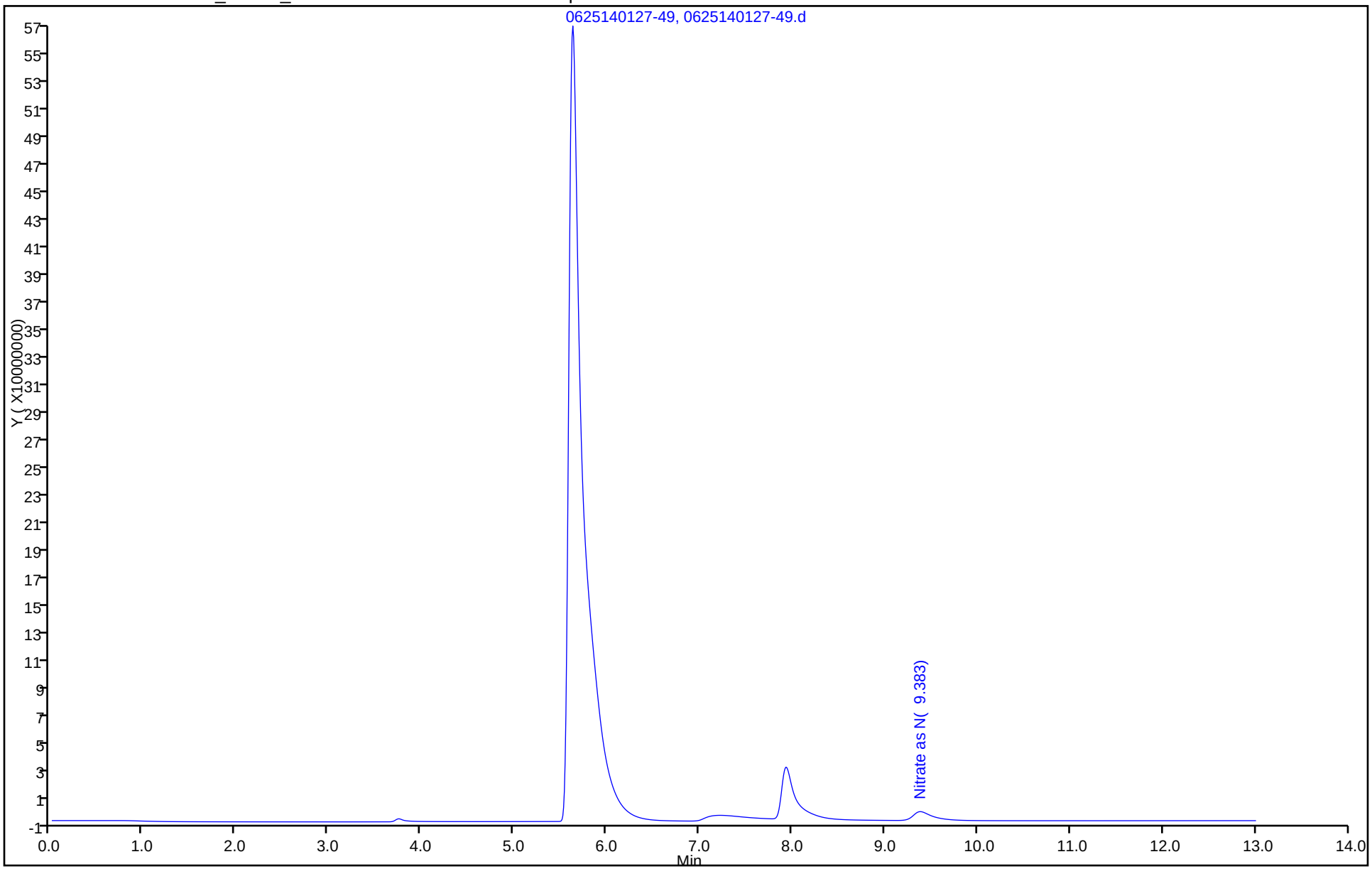
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Jun-2014 12:01:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140127-49.d

Injection Date:	25-Jun-2014 01:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-2	Lab Sample ID:	680-102616-2	Worklist Smp#:	45
Client ID:	SMSSW09				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Matrix: Water Lab File ID: 0625141302-17.d

Analysis Method: 300.0 Date Collected: 06/22/2014 14:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 13:02

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.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	12	H	0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141302-17.d				
Lims ID:	680-102616-G-2	Lab Sample ID:	680-102616-2		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 13:02:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-102616-G-2 1G062514 Anion				
Misc. Info.:	8265				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:14	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:	26-Jun-2014 13:31:24		

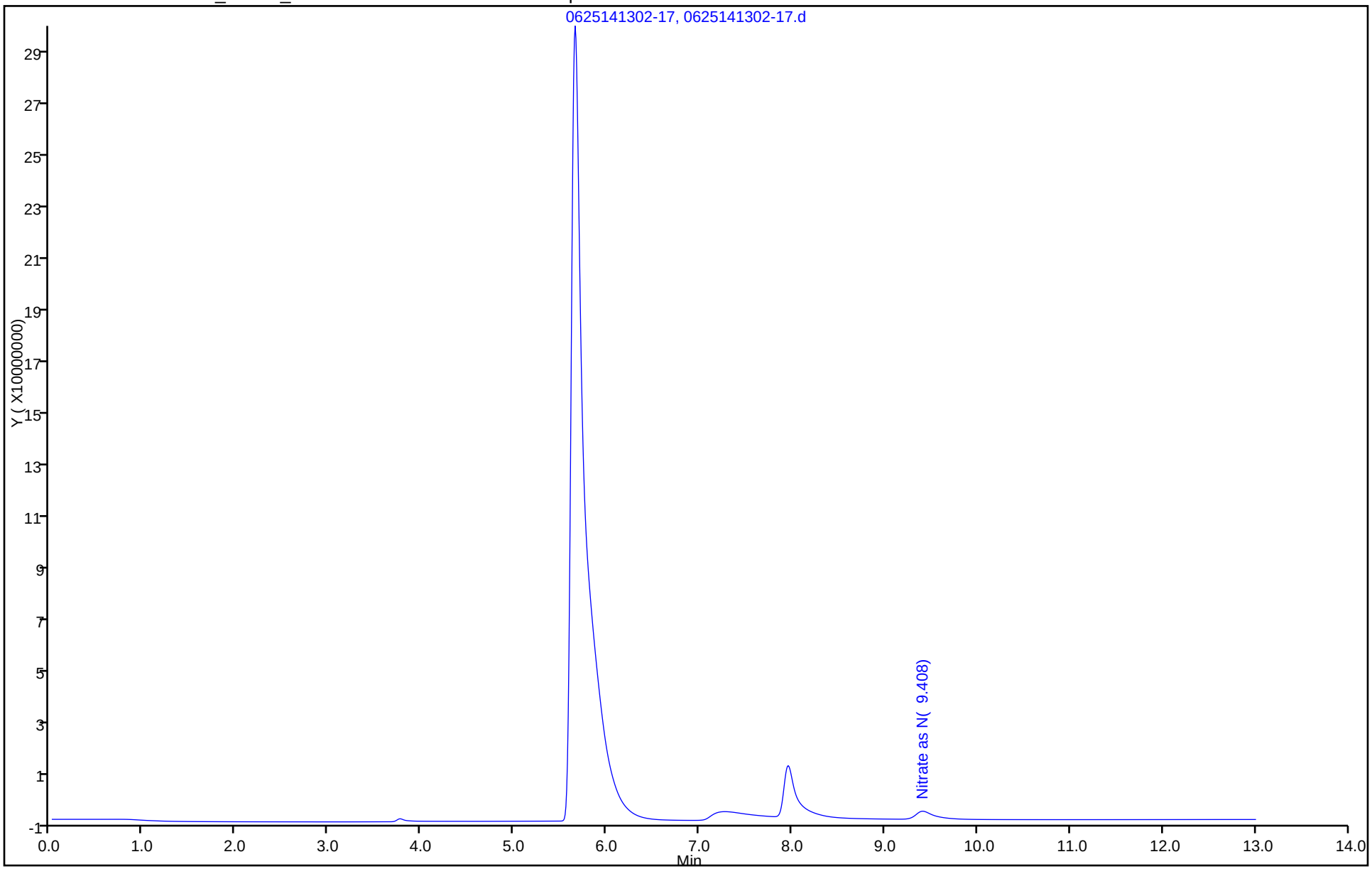
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.442	-0.034	42185110	1.37	
S 10 Nitrate as NO3					6.06	

Report Date: 26-Jun-2014 13:46:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141302-17.d

Injection Date:	25-Jun-2014 13:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-2	Lab Sample ID:	680-102616-2	Worklist Smp#:	17
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 I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW14 Lab Sample ID: 680-102616-3

Matrix: Water Lab File ID: 0624141658-16.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 16:58

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	6.2		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141658-16.d				
Lims ID:	680-102616-G-3	Lab Sample ID:	680-102616-3		
Client ID:	SMSSW14				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 16:58:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-G-3 1G062414 Anion				
Misc. Info.:	4535				
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 13:03:52		

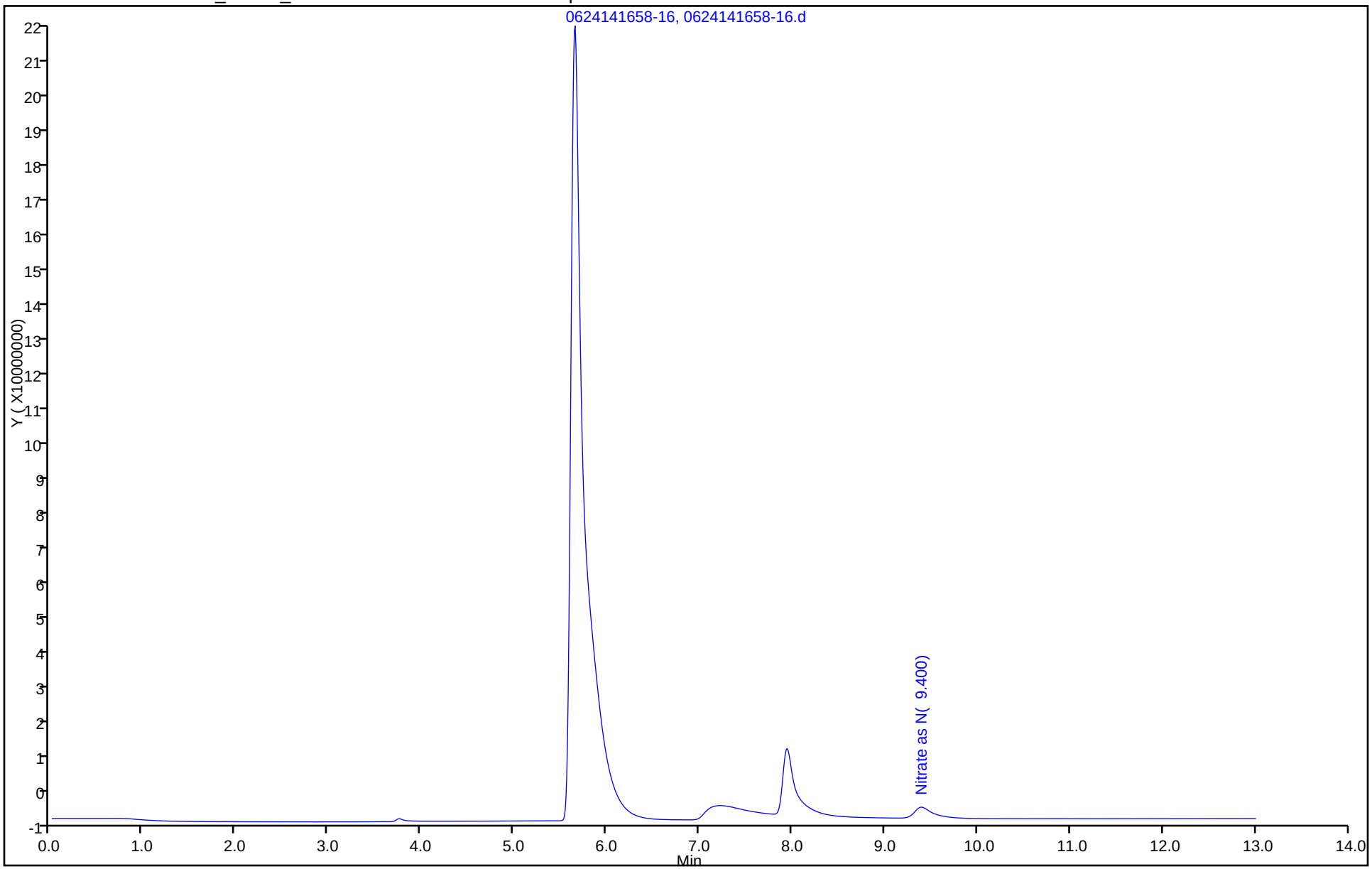
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.400	9.425	-0.025	43533703	1.41	
S 10 Nitrate as NO3					6.25	

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141658-16.d

Injection Date:	24-Jun-2014 16:58:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-3	Lab Sample ID:	680-102616-3	Worklist Smp#:	16
Client ID:	SMSSW14				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Spring Lab Sample ID: 680-102616-4

Matrix: Water Lab File ID: 0624141714-17.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 17:14

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	13		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141714-17.d
Lims ID: 680-102616-G-4 Lab Sample ID: 680-102616-4
Client ID: SMSSW09 Spring
Sample Type: Client
Inject. Date: 24-Jun-2014 17:14:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-102616-G-4 1G062414 Anion
Misc. Info.: 9676
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: 24-Jun-2014 17:51:42

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
	6 Nitrate as N	9.375	9.425	-0.050	93056291	2.99	E
S	10 Nitrate as NO3					13.2	

QC Flag Legend

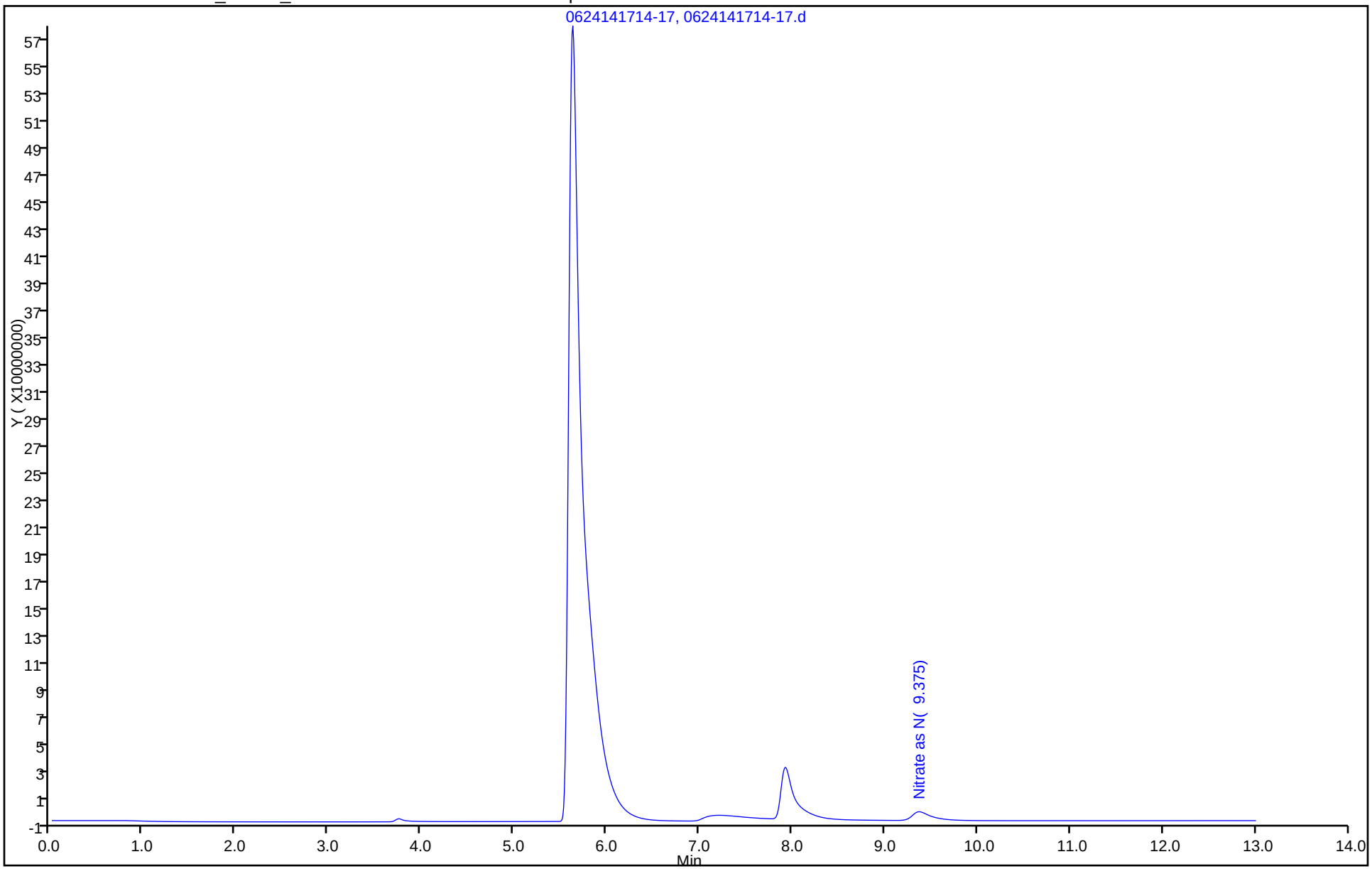
Processing Flags
E - Exceeded Maximum Amount

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141714-17.d

Injection Date:	24-Jun-2014 17:14:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-4	Lab Sample ID:	680-102616-4	Worklist Smp#:	17
Client ID:	SMSSW09 Spring				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW09 Spring DL Lab Sample ID: 680-102616-4 DL

Matrix: Water Lab File ID: 0625140040-46.d

Analysis Method: 300.0 Date Collected: 06/22/2014 16:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 00:40

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.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	*Nitrate as NO3*	*12*	*H*	*0.44*	*0.22*

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140040-46.d				
Lims ID:	680-102616-G-4	Lab Sample ID:	680-102616-4		
Client ID:	SMSSW09 Spring				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 00:40:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-102616-G-4 1G062414 Anion				
Misc. Info.:	1803 RR				
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 12:01:46	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 13:04:58		

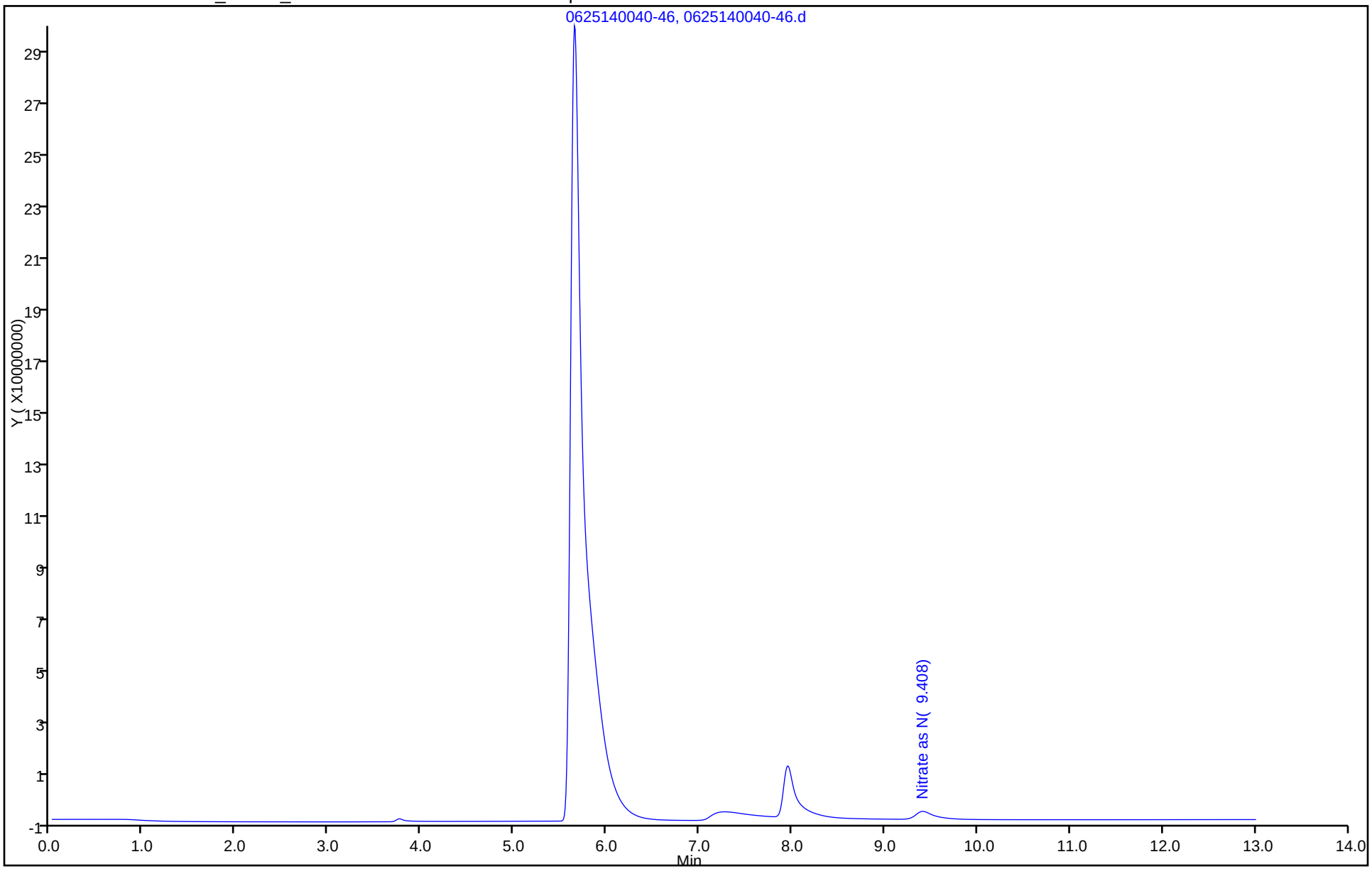
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.442	-0.034	42929069	1.39	
S 10 Nitrate as NO3					6.16	

Report Date: 26-Jun-2014 12:01:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140040-46.d

Injection Date:	25-Jun-2014 00:40:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-4	Lab Sample ID:	680-102616-4	Worklist Smp#:	53
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW01 Lab Sample ID: 680-102616-5

Matrix: Water Lab File ID: 0625140142-50.d

Analysis Method: 300.0 Date Collected: 06/22/2014 15:13

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 01:42

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

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

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

Analysis Batch No.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082	H	0.17	0.082
STL00672	Nitrate as NO3	1.6	H	0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140142-50.d				
Lims ID:	680-102616-G-5	Lab Sample ID:	680-102616-5		
Client ID:	SMSSW01				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 01:42:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-G-5 1G062414 Anion				
Misc. Info.:	16062				
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 12:01:46	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 13:05:10		

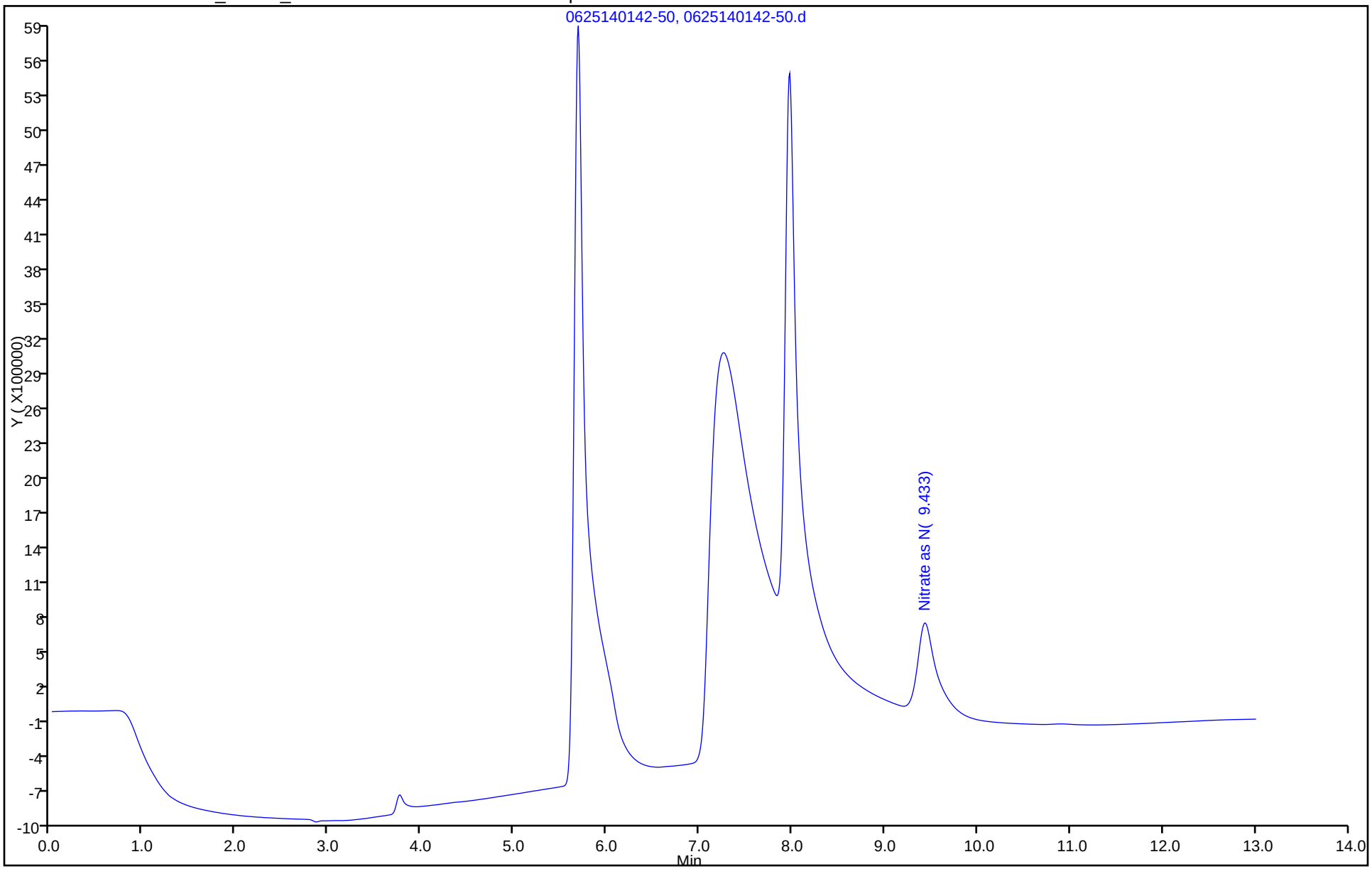
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.433	9.442	-0.009	10580882	0.3620	
S 10 Nitrate as NO3					1.60	

Report Date: 26-Jun-2014 12:01:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140142-50.d

Injection Date:	25-Jun-2014 01:42:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-5	Lab Sample ID:	680-102616-5	Worklist Smp#:	46
Client ID:	SMSSW01				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW11 Lab Sample ID: 680-102616-6

Matrix: Water Lab File ID: 0624141643-15.d

Analysis Method: 300.0 Date Collected: 06/22/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 16:43

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	4.0		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141643-15.d				
Lims ID:	680-102616-G-6	Lab Sample ID:	680-102616-6		
Client ID:	SMSSW11				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 16:43:00	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-G-6 1G062414 Anion				
Misc. Info.:	13485				
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 13:03:51		

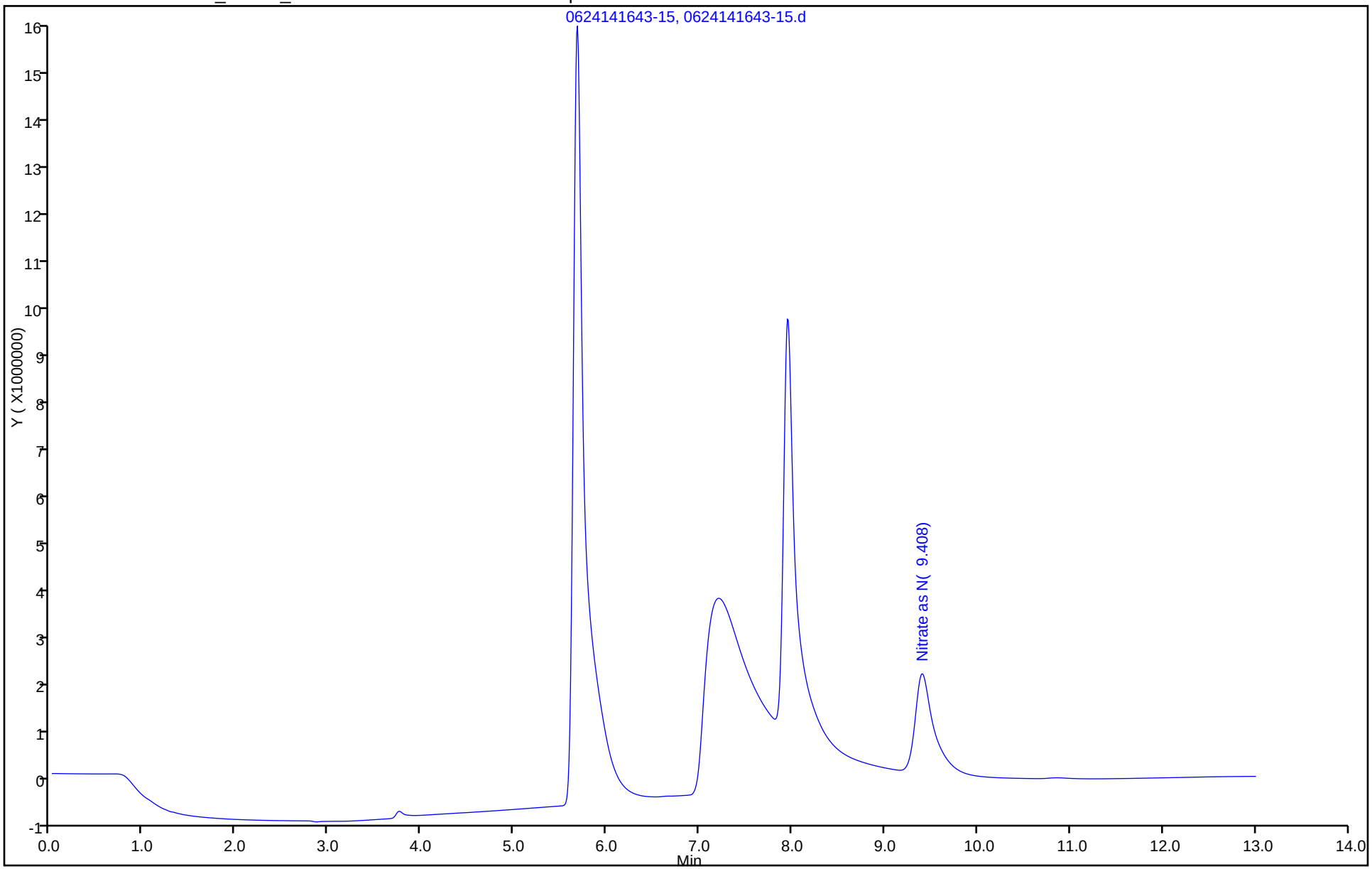
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.425	-0.017	27789244	0.9103	
S 10 Nitrate as NO3					4.03	

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141643-15.d

Injection Date:	24-Jun-2014 16:43:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-6	Lab Sample ID:	680-102616-6	Worklist Smp#:	15
Client ID:	SMSSW11				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Spring Lab Sample ID: 680-102616-7

Matrix: Water Lab File ID: 0624141800-20.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 18:00

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.: 336028 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	10		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141800-20.d
Lims ID: 680-102616-G-7 Lab Sample ID: 680-102616-7
Client ID: SMSSW08 Spring
Sample Type: Client
Inject. Date: 24-Jun-2014 18:00:00 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-G-7 1G062414 Anion
Misc. Info.: 3239
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 08:56:30

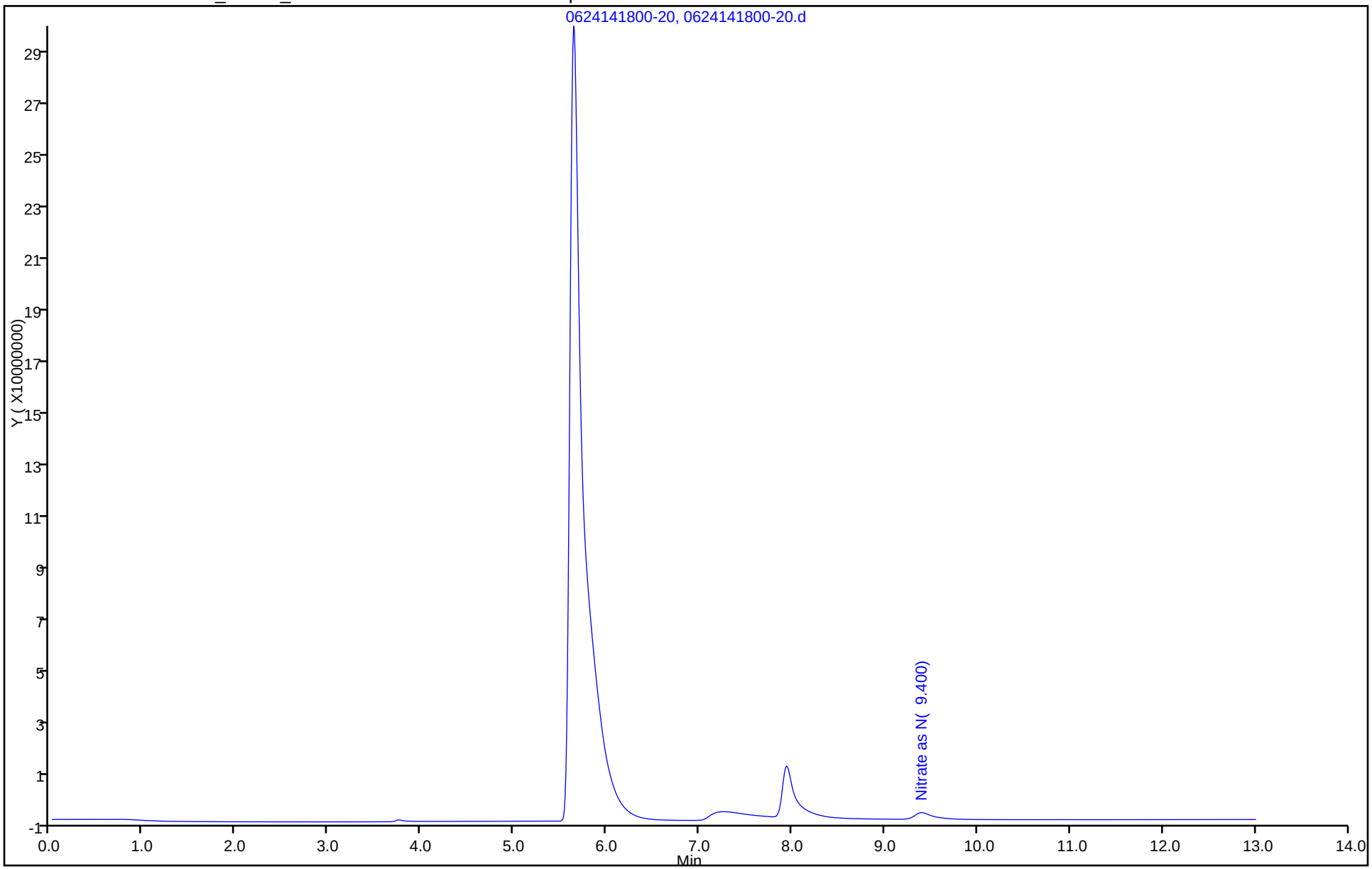
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.400	9.425	-0.025	35064554	1.14	
S 10 Nitrate as NO3					5.05	

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141800-20.d

Injection Date:	24-Jun-2014 18:00:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-7	Lab Sample ID:	680-102616-7	Worklist Smp#:	20
Client ID:	SMSSW08 Spring				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 | Lab Sample ID: 680-102616-8

Matrix: Water | Lab File ID: 0624141846-23.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 09:22

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2014 18:46

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

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

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

Analysis Batch No.: 336028 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141846-23.d
Lims ID: 680-102616-G-8 Lab Sample ID: 680-102616-8
Client ID: SMSSW08
Sample Type: Client
Inject. Date: 24-Jun-2014 18:46:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-102616-G-8 1G062414 Anion
Misc. Info.: 3668
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 13:04:07

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.367	9.425	-0.058	96956044	3.11	E
S 10 Nitrate as NO3					13.8	

QC Flag Legend

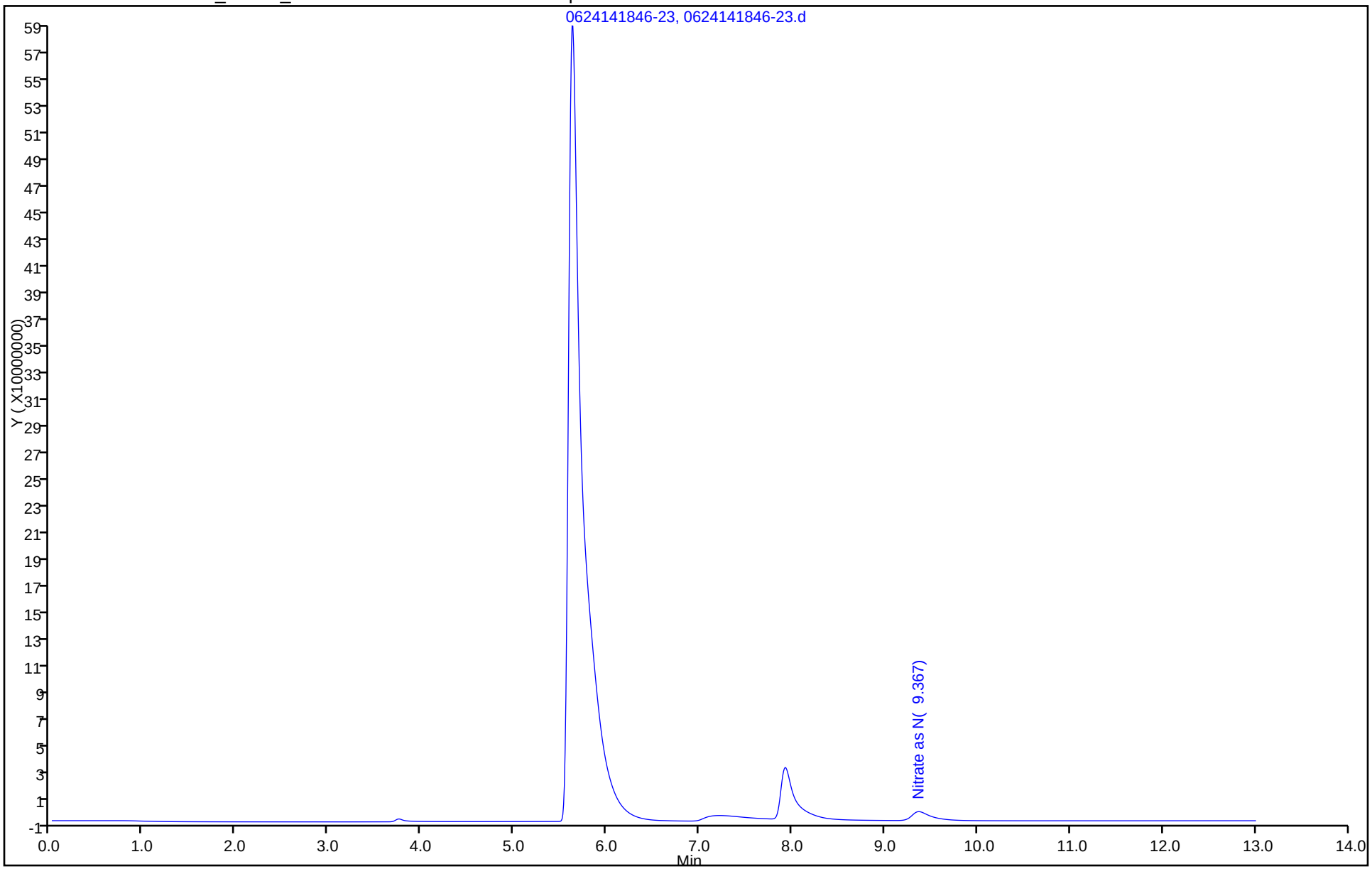
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Jun-2014 12:01:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141846-23.d

Injection Date:	24-Jun-2014 18:46:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-8	Lab Sample ID:	680-102616-8	Worklist Smp#:	21
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 | Lab Sample ID: 680-102616-8

Matrix: Water | Lab File ID: 0625140056-47.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 09:22

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2014 00:56

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.: 336048 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	13		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140056-47.d				
Lims ID:	680-102616-G-8	Lab Sample ID:	680-102616-8		
Client ID:	SMSSW08				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 00:56:00	ALS Bottle#:	0	Worklist Smp#:	54
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-102616-G-8 1G062414 Anion				
Misc. Info.:	4371 RR				
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 12:01:46	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 13:05:00		

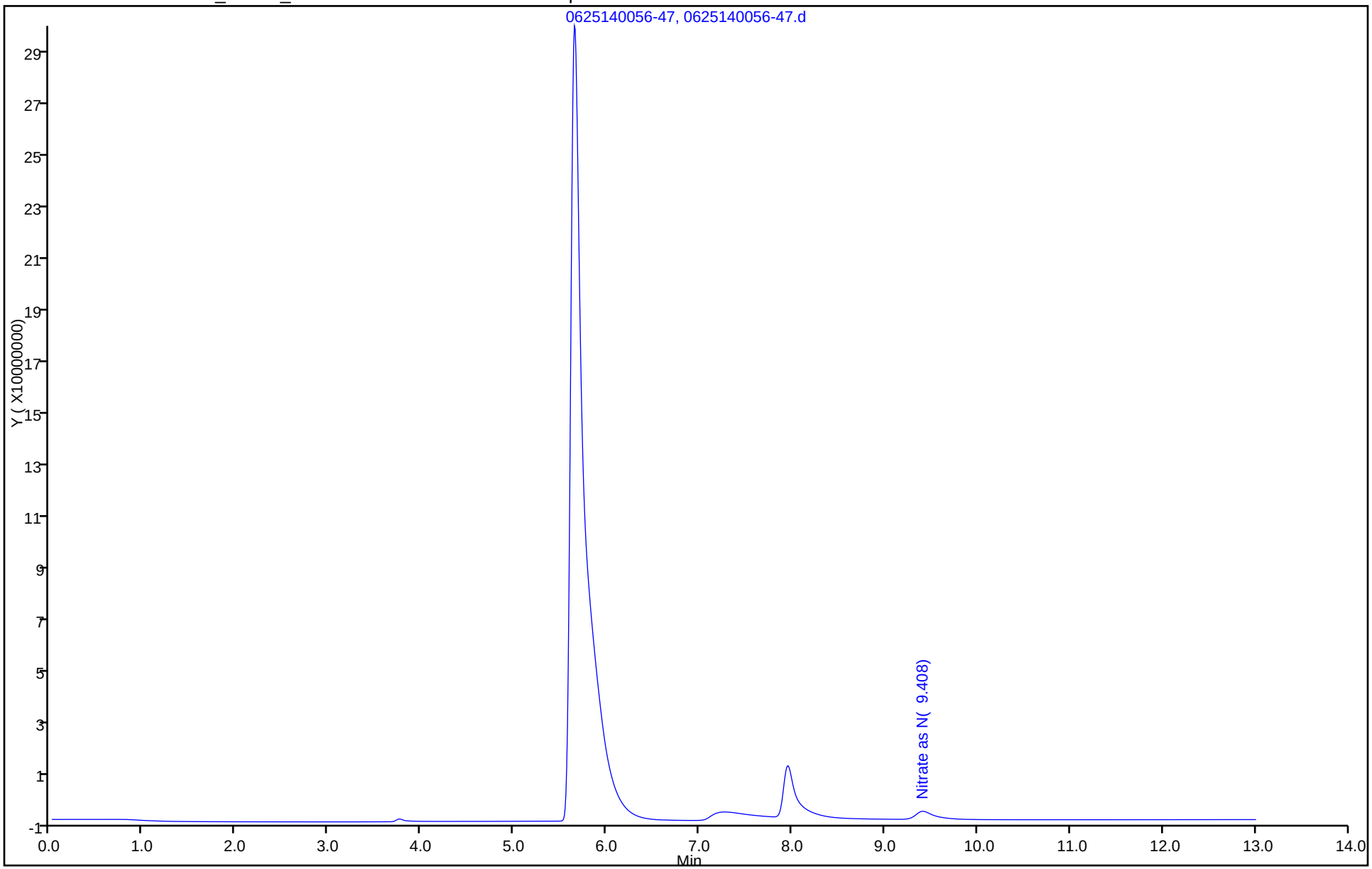
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.442	-0.034	44064471	1.43	
S 10 Nitrate as NO3					6.32	

Report Date: 26-Jun-2014 12:01:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140056-47.d

Injection Date:	25-Jun-2014 00:56:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-8	Lab Sample ID:	680-102616-8	Worklist Smp#:	54
Client ID:	SMSSW08				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW04 | Lab Sample ID: 680-102616-9

Matrix: Water | Lab File ID: 0624141902-24.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 10:00

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2014 19:02

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.: 336028 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141902-24.d				
Lims ID:	680-102616-G-9	Lab Sample ID:	680-102616-9		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 19:02:00	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-102616-G-9 1G062414 Anion				
Misc. Info.:	8383				
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 13:04:09		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.358	9.425	-0.067	101675332	3.26	E
S 10 Nitrate as NO3					14.4	

QC Flag Legend

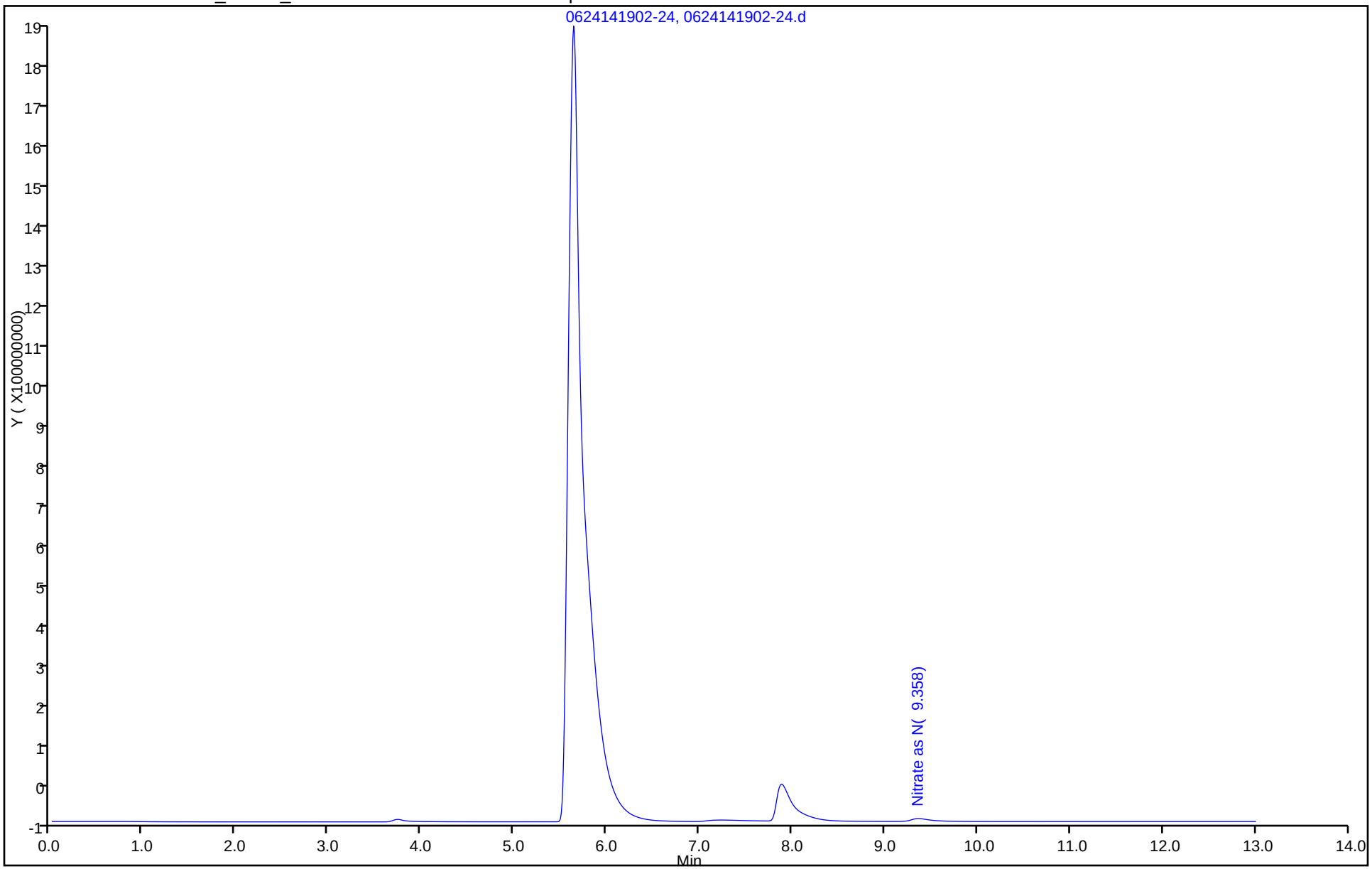
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Jun-2014 12:01:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141902-24.d

Injection Date:	24-Jun-2014 19:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-9	Lab Sample ID:	680-102616-9	Worklist Smp#:	22
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Matrix: Water Lab File ID: 0625141044-8.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 10:44

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.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	27		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141044-8.d
Lims ID: 680-102616-G-9 Lab Sample ID: 680-102616-9
Client ID: SMSSW04
Sample Type: Client
Inject. Date: 25-Jun-2014 10:44:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-102616-G-9 1G062514 Anion
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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: 26-Jun-2014 13:31:08

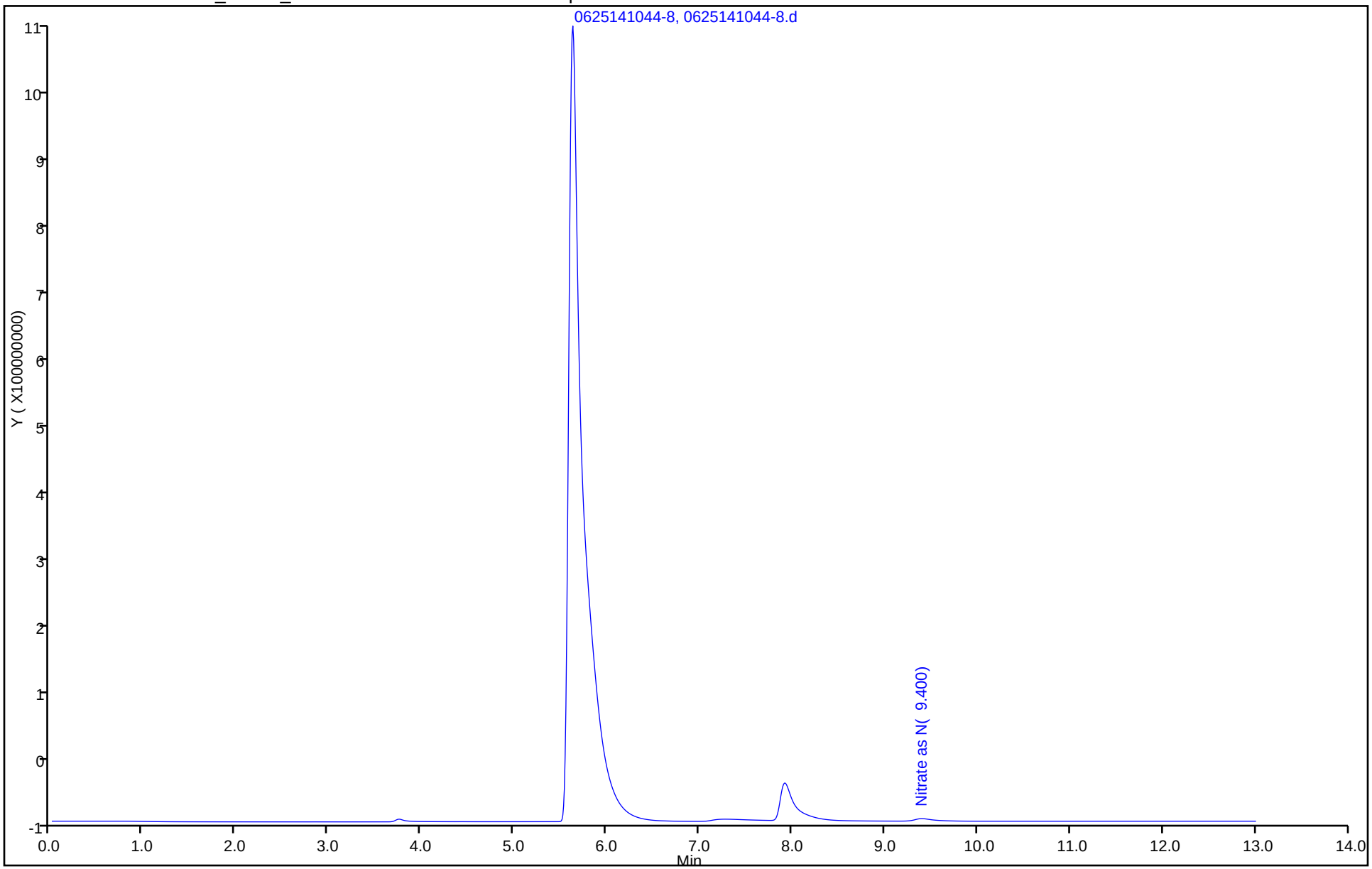
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.400	9.442	-0.042	46641278	1.51	
S 10 Nitrate as NO3					6.69	

Report Date: 26-Jun-2014 13:46:16 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141044-8.d

Injection Date:	25-Jun-2014 10:44:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-9	Lab Sample ID:	680-102616-9	Worklist Smp#:	8
Client ID:	SMSSW04				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Matrix: Water Lab File ID: 0624141917-25.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 19:17

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.: 336028 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141917-25.d
Lims ID: 680-102616-G-10 Lab Sample ID: 680-102616-10
Client ID: SMSSW94
Sample Type: Client
Inject. Date: 24-Jun-2014 19:17:00 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-G-10 1G062414 Anion
Misc. Info.: 10012
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 13:04:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.367	9.425	-0.058	95461724	3.07	E
S 10 Nitrate as NO3					13.6	

QC Flag Legend

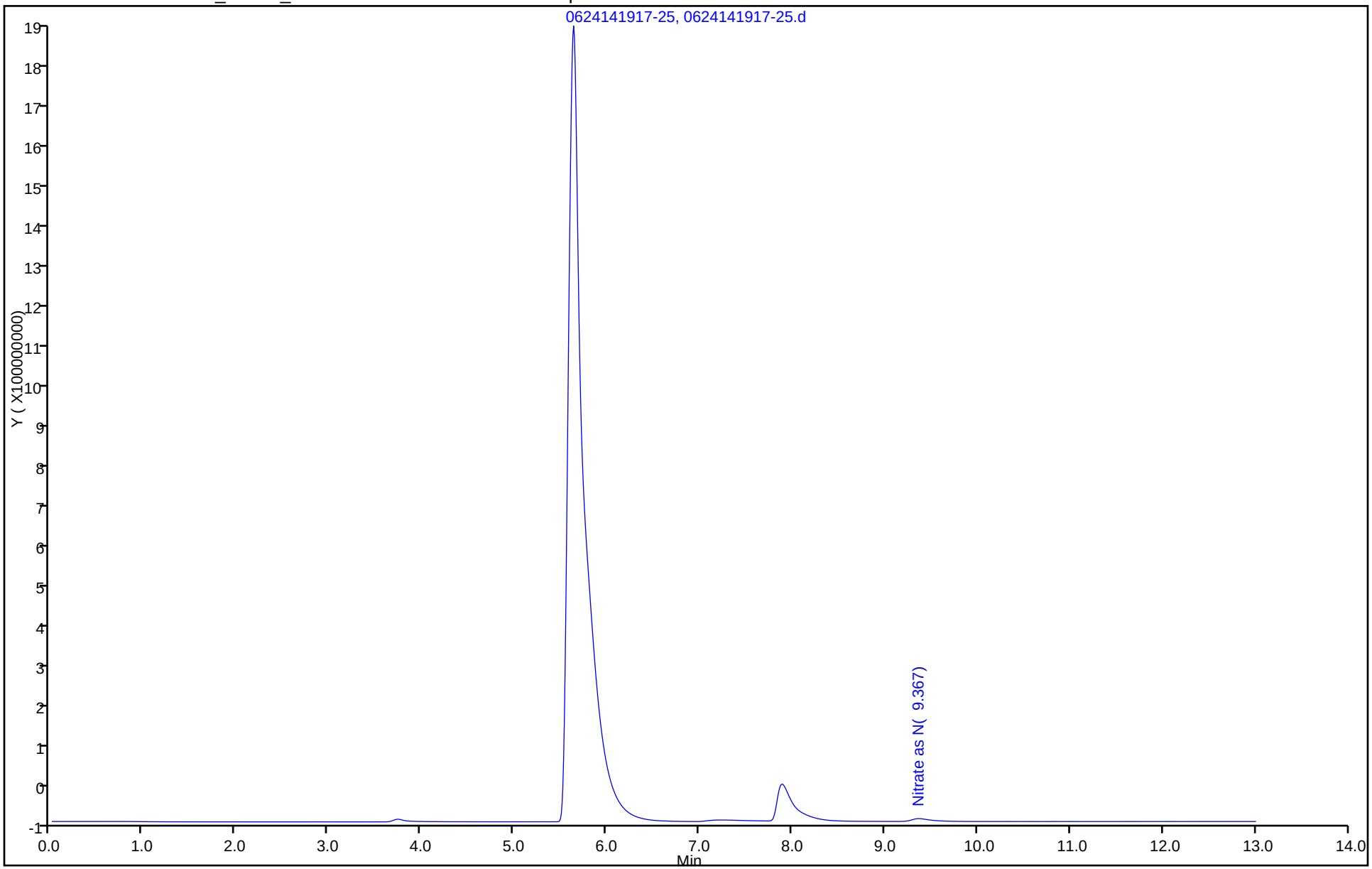
Processing Flags
E - Exceeded Maximum Amount

Report Date: 26-Jun-2014 12:01:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141917-25.d

Injection Date:	24-Jun-2014 19:17:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-10	Lab Sample ID:	680-102616-10	Worklist Smp#:	23
Client ID:	SMSSW94				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW94 | Lab Sample ID: 680-102616-10

Matrix: Water | Lab File ID: 0625141059-9.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 10:10

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2014 10:59

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.: 336172 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	25		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141059-9.d				
Lims ID:	680-102616-G-10	Lab Sample ID:	680-102616-10		
Client ID:	SMSSW94				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 10:59:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-102616-G-10 1G062514 Anion				
Misc. Info.:	16655				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:14	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: brazellc		Date:	25-Jun-2014 13:13:19		

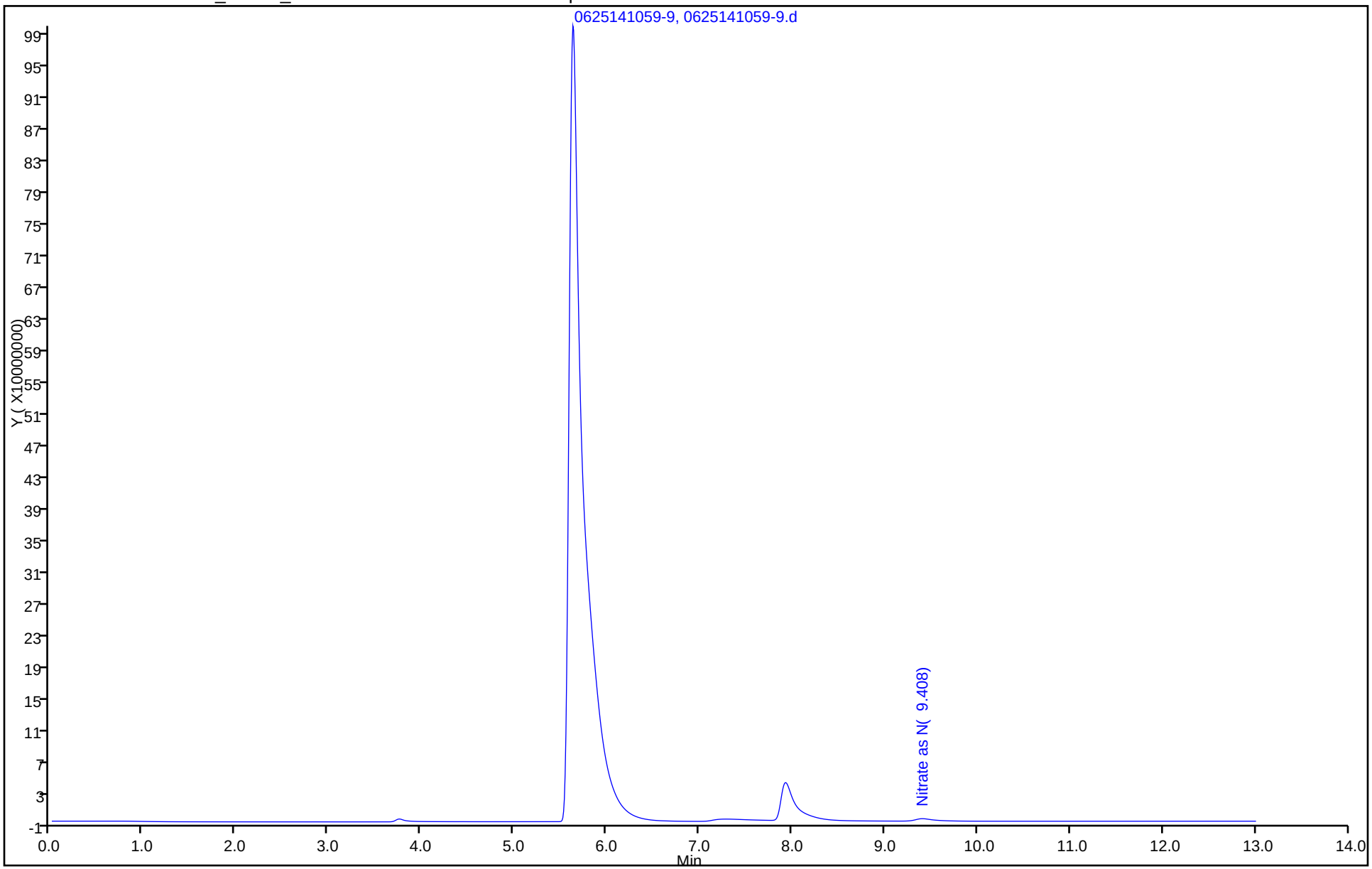
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.442	-0.034	43670214	1.42	
S 10 Nitrate as NO3					6.27	

Report Date: 26-Jun-2014 13:46:16 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141059-9.d

Injection Date:	25-Jun-2014 10:59:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-10	Lab Sample ID:	680-102616-10	Worklist Smp#:	9
Client ID:	SMSSW94				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07A Lab Sample ID: 680-102616-11

Matrix: Water Lab File ID: 0625141114-10.d

Analysis Method: 300.0 Date Collected: 06/23/2014 10:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 11:14

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

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

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

Analysis Batch No.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.41		0.85	0.41
STL00672	Nitrate as NO3	40		1.1	0.55

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141114-10.d
Lims ID: 680-102616-G-11 Lab Sample ID: 680-102616-11
Client ID: SMSMW07A
Sample Type: Client
Inject. Date: 25-Jun-2014 11:14:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 25.0 ul Dil. Factor: 5.0000
Sample Info: 680-102616-G-11 1G062514 Anion
Misc. Info.: 4336
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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 13:02:28

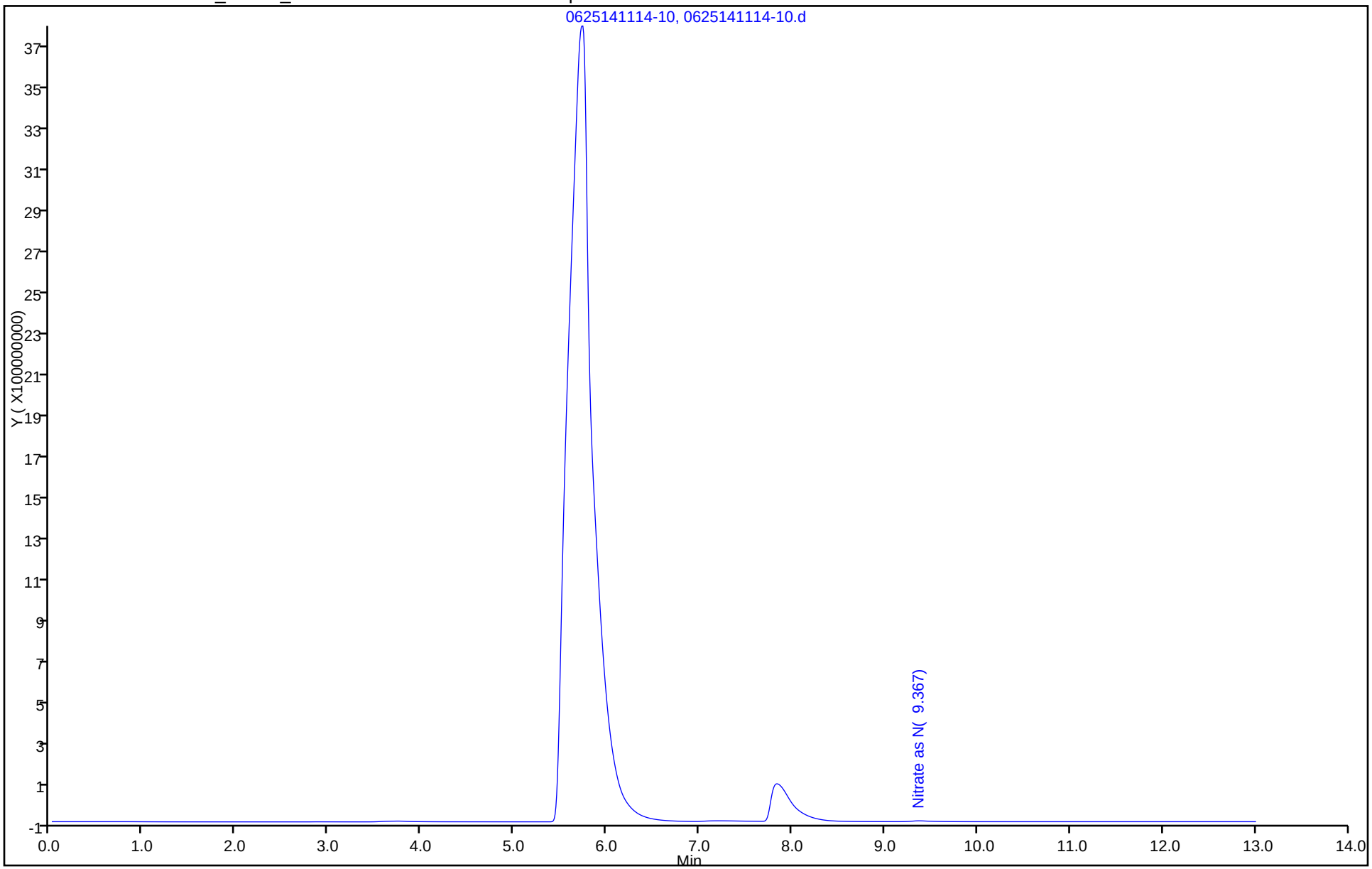
	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
	6 Nitrate as N	9.367	9.442	-0.075	55810568	1.80	
S	10 Nitrate as NO3					7.98	

Report Date: 26-Jun-2014 13:46:16 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141114-10.d

Injection Date:	25-Jun-2014 11:14:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-11	Lab Sample ID:	680-102616-11	Worklist Smp#:	10
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	5.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12A Lab Sample ID: 680-102616-12

Matrix: Water Lab File ID: 0624142019-29.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 20:19

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

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	<0.82		1.7	0.82
STL00672	Nitrate as NO3	70		2.2	1.1

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142019-29.d				
Lims ID:	680-102616-G-12	Lab Sample ID:	680-102616-12		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 20:19:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-102616-G-12 1G062414 Anion				
Misc. Info.:	32530				
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 12:01:44	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 13:04:21		

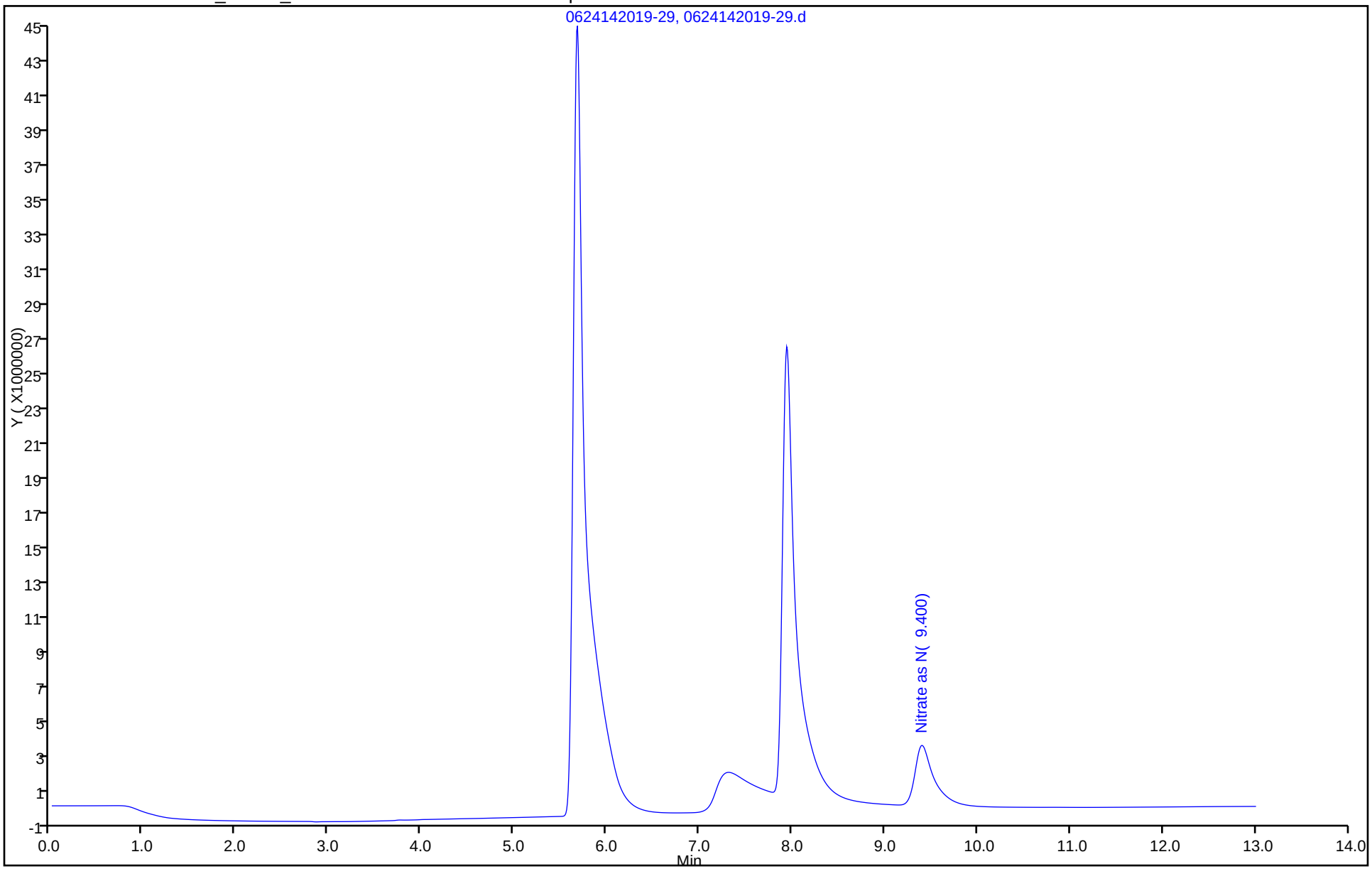
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.400	9.433	-0.033	48760588	1.58	
S 10 Nitrate as NO3					6.99	

Report Date: 26-Jun-2014 12:01:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142019-29.d

Injection Date:	24-Jun-2014 20:19:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-12	Lab Sample ID:	680-102616-12	Worklist Smp#:	27
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW12B Lab Sample ID: 680-102616-13

Matrix: Water Lab File ID: 0624142034-30.d

Analysis Method: 300.0 Date Collected: 06/23/2014 13:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 20:34

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

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	<0.82		1.7	0.82
STL00672	Nitrate as NO3	59		2.2	1.1

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142034-30.d				
Lims ID:	680-102616-G-13	Lab Sample ID:	680-102616-13		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 20:34:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-102616-G-13 1G062414 Anion				
Misc. Info.:	4137				
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 12:01:44	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 13:04:23		

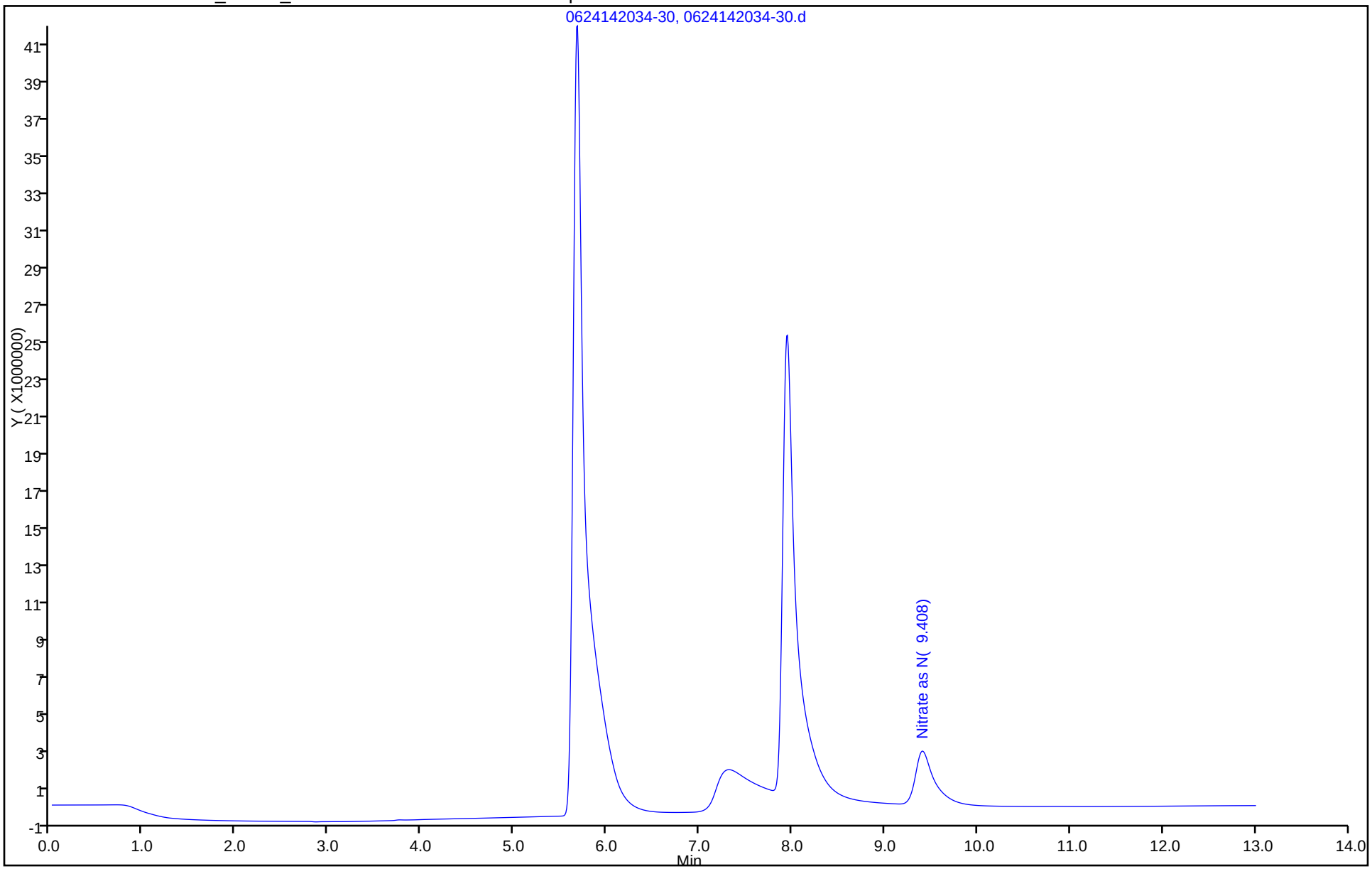
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.433	-0.025	40990023	1.33	
S 10 Nitrate as NO3					5.89	

Report Date: 26-Jun-2014 12:01:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142034-30.d

Injection Date:	24-Jun-2014 20:34:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-13	Lab Sample ID:	680-102616-13	Worklist Smp#:	28
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW07B Lab Sample ID: 680-102616-14

Matrix: Water Lab File ID: 0625141145-12.d

Analysis Method: 300.0 Date Collected: 06/23/2014 12:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 11:45

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

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

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

Analysis Batch No.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.82		1.7	0.82
STL00672	Nitrate as NO3	20		2.2	1.1

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141145-12.d				
Lims ID:	680-102616-G-14	Lab Sample ID:	680-102616-14		
Client ID:	SMSMW07B				
Sample Type:	Client				
Inject. Date:	25-Jun-2014 11:45:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-102616-G-14 1G062514 Anion				
Misc. Info.:	28577				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:14	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: brazellc		Date:	25-Jun-2014 13:14:38		

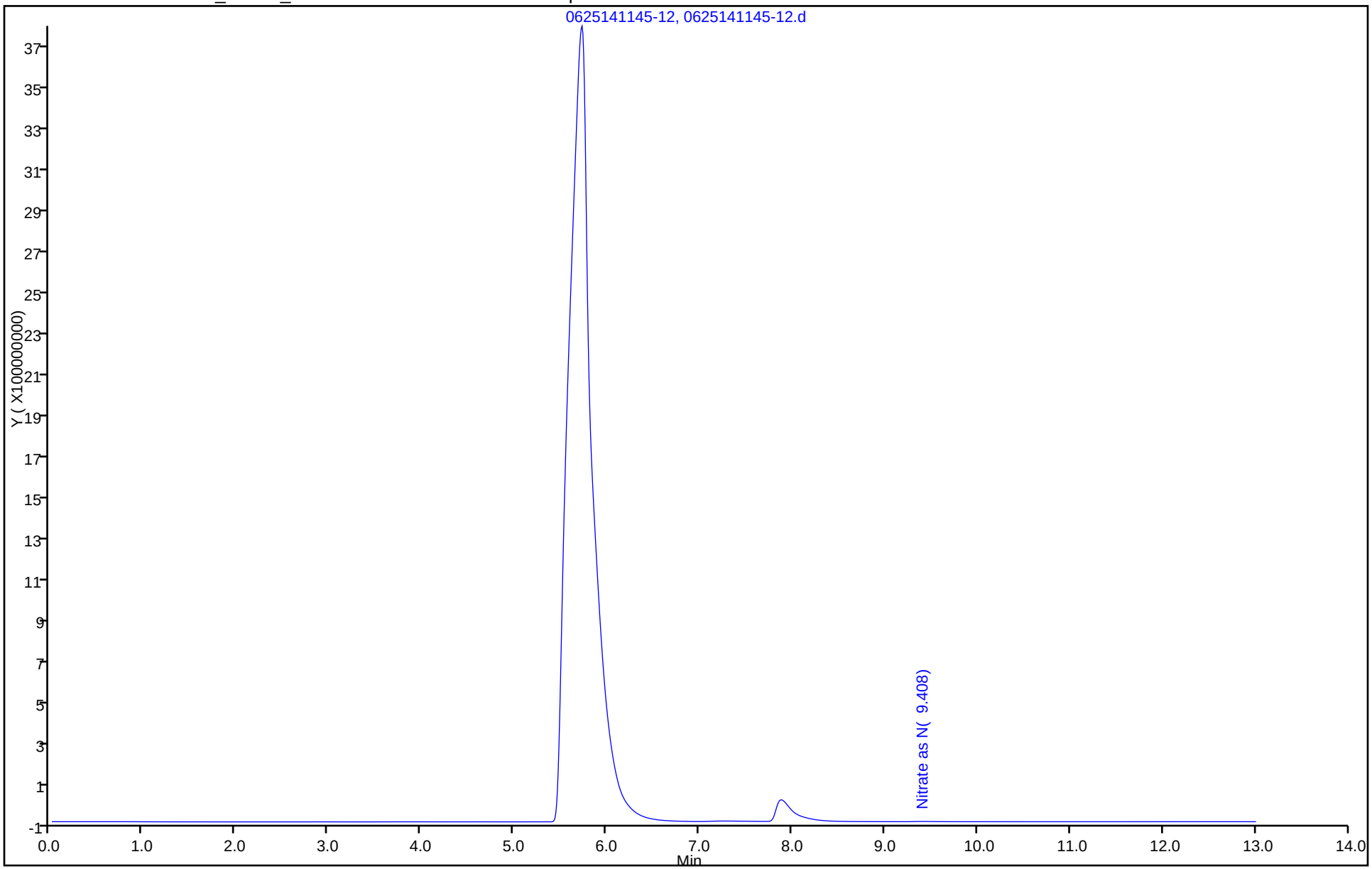
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.408	9.442	-0.034	13311374	0.4490	
S 10 Nitrate as NO3					1.99	

Report Date: 26-Jun-2014 13:46:17 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141145-12.d

Injection Date:	25-Jun-2014 11:45:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-14	Lab Sample ID:	680-102616-14	Worklist Smp#:	12
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B | Lab Sample ID: 680-102616-15

Matrix: Water | Lab File ID: 0624142136-34.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 15:05

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2014 21:36

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.: 336028 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	1.6		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142136-34.d				
Lims ID:	680-102616-G-15	Lab Sample ID:	680-102616-15		
Client ID:	SMSMW11B				
Sample Type:	Client				
Inject. Date:	24-Jun-2014 21:36:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-102616-G-15 1G062414 Anion				
Misc. Info.:	19556				
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 13:21:01	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:	XAWRK003				
First Level Reviewer: singhv		Date:	25-Jun-2014 09:09:15		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.417	9.442	-0.025	10289334	0.3527	M
S 10 Nitrate as NO3					1.56	

QC Flag Legend

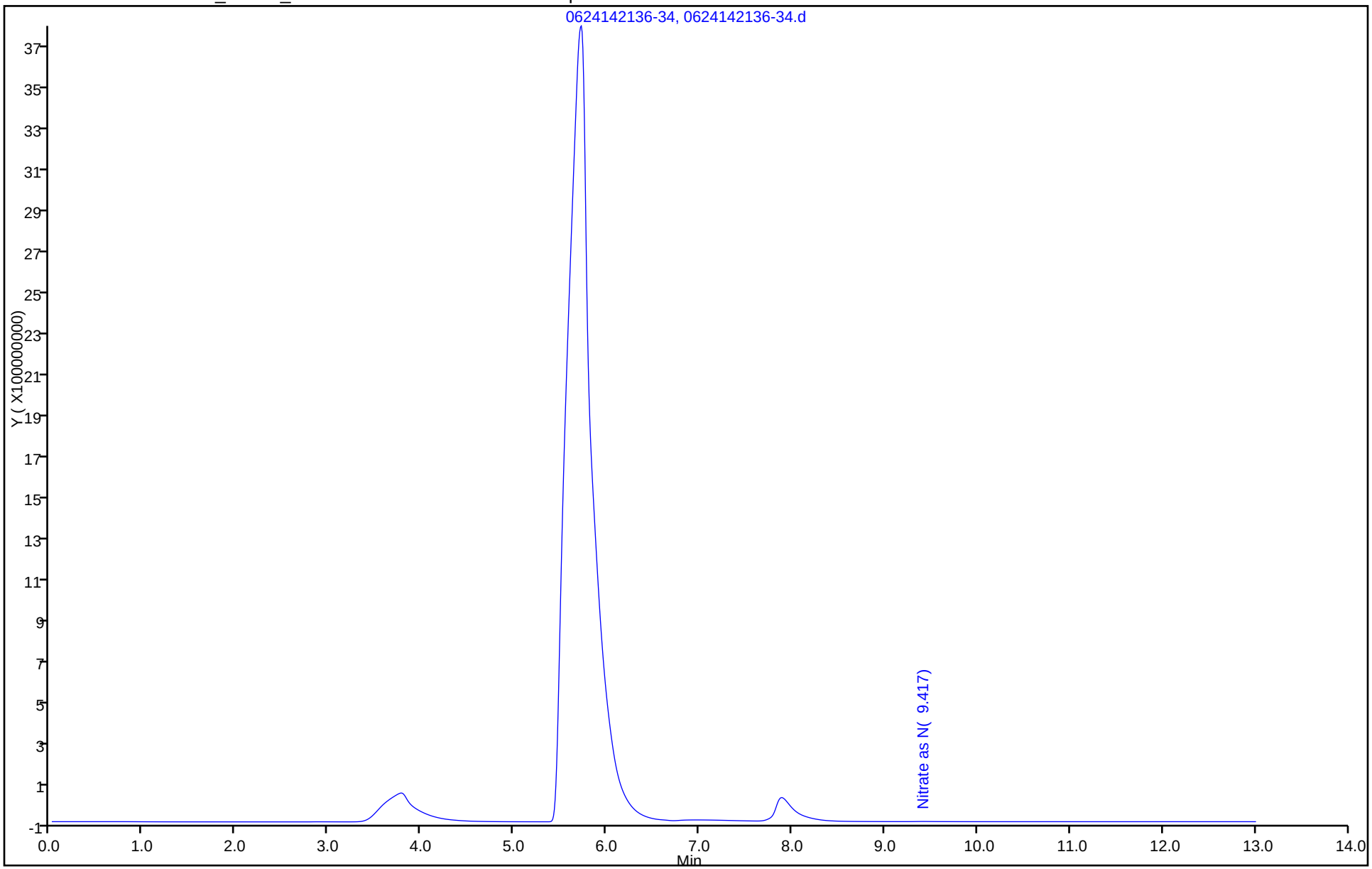
Review Flags
M - Manually Integrated

Report Date: 30-Jun-2014 11:23:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142136-34.d

Injection Date:	24-Jun-2014 21:36:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-15	Lab Sample ID:	680-102616-15	Worklist Smp#:	32
Client ID:	SMSMW11B				
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B | Lab Sample ID: 680-102616-15

Matrix: Water | Lab File ID: 0625141216-14.d

Analysis Method: 300.0 | Date Collected: 06/23/2014 15:05

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/25/2014 12:16

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

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

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

Analysis Batch No.: 336172 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.82		1.7	0.82

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141216-14.d
Lims ID: 680-102616-G-15 Lab Sample ID: 680-102616-15
Client ID: SMSMW11B
Sample Type: Client
Inject. Date: 25-Jun-2014 12:16:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-G-15 1G062514 Anion
Misc. Info.: 16229
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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: brazellc Date: 25-Jun-2014 13:15:54

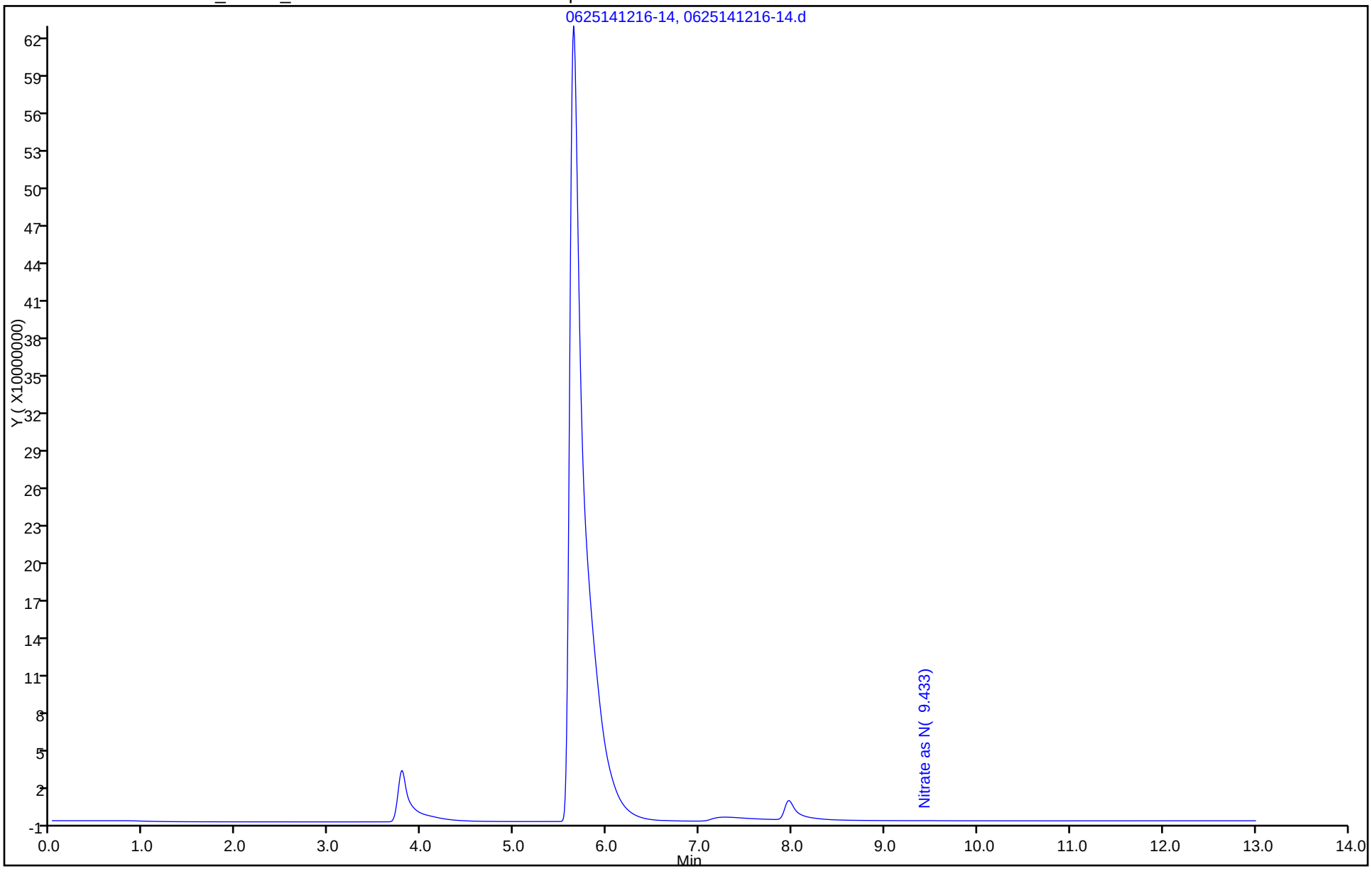
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.433	9.442	-0.009	640192	0.0452	
S 10 Nitrate as NO3					0.2001	

Report Date: 26-Jun-2014 13:46:17 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141216-14.d

Injection Date:	25-Jun-2014 12:16:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-15	Lab Sample ID:	680-102616-15	Worklist Smp#:	14
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	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.: 680-102616-1 Analy Batch No.: 336028

SDG No.:

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.: 680-102616-1 Analy Batch No.: 336028

SDG No.:

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.: 680-102616-1 Analy Batch No.: 336028

SDG No.:

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:

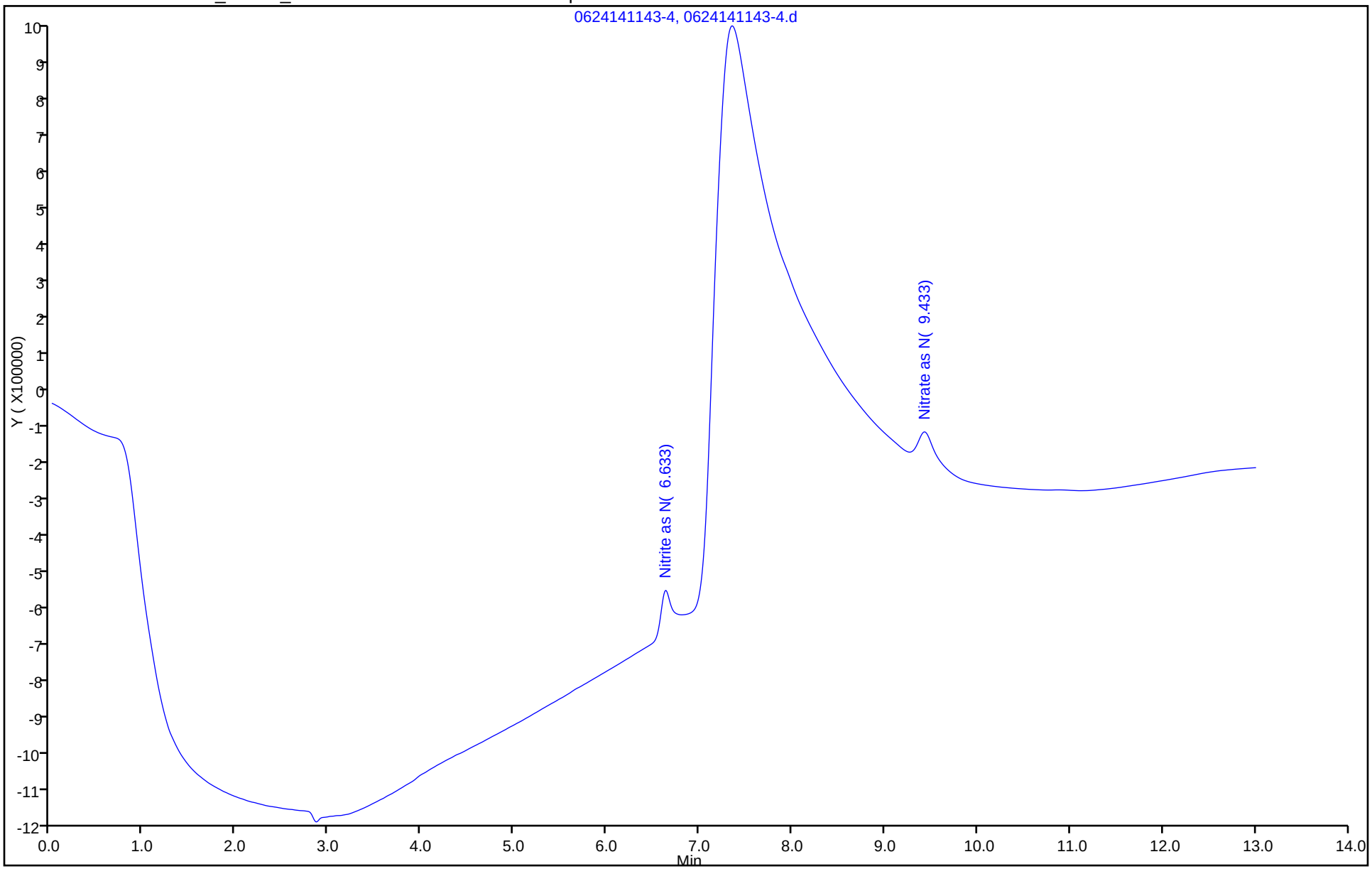
N-N-1_00107 Amount Added: 5.00 Units: mL

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:

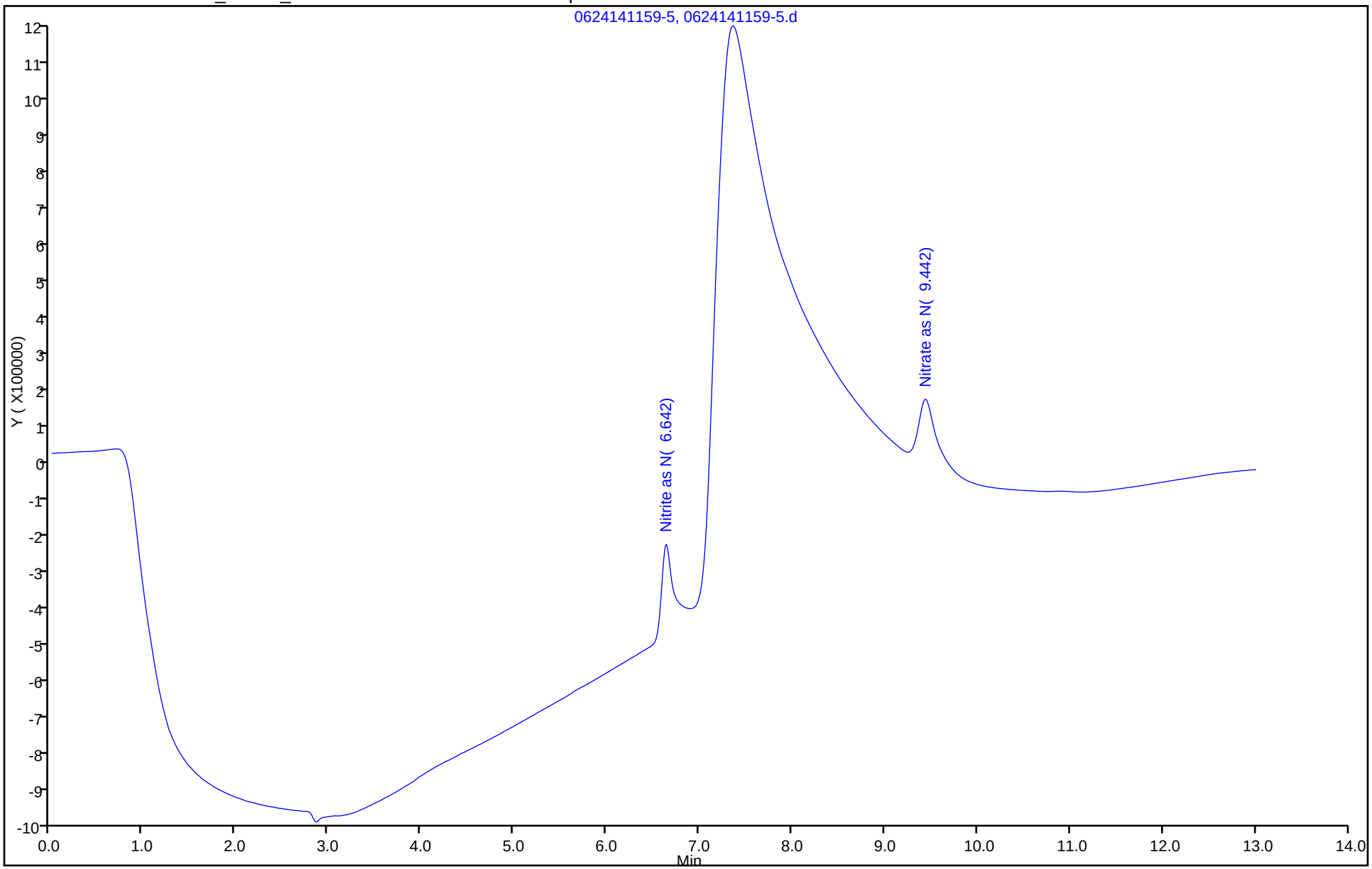
N-N-2_00087 Amount Added: 5.00 Units: mL

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:

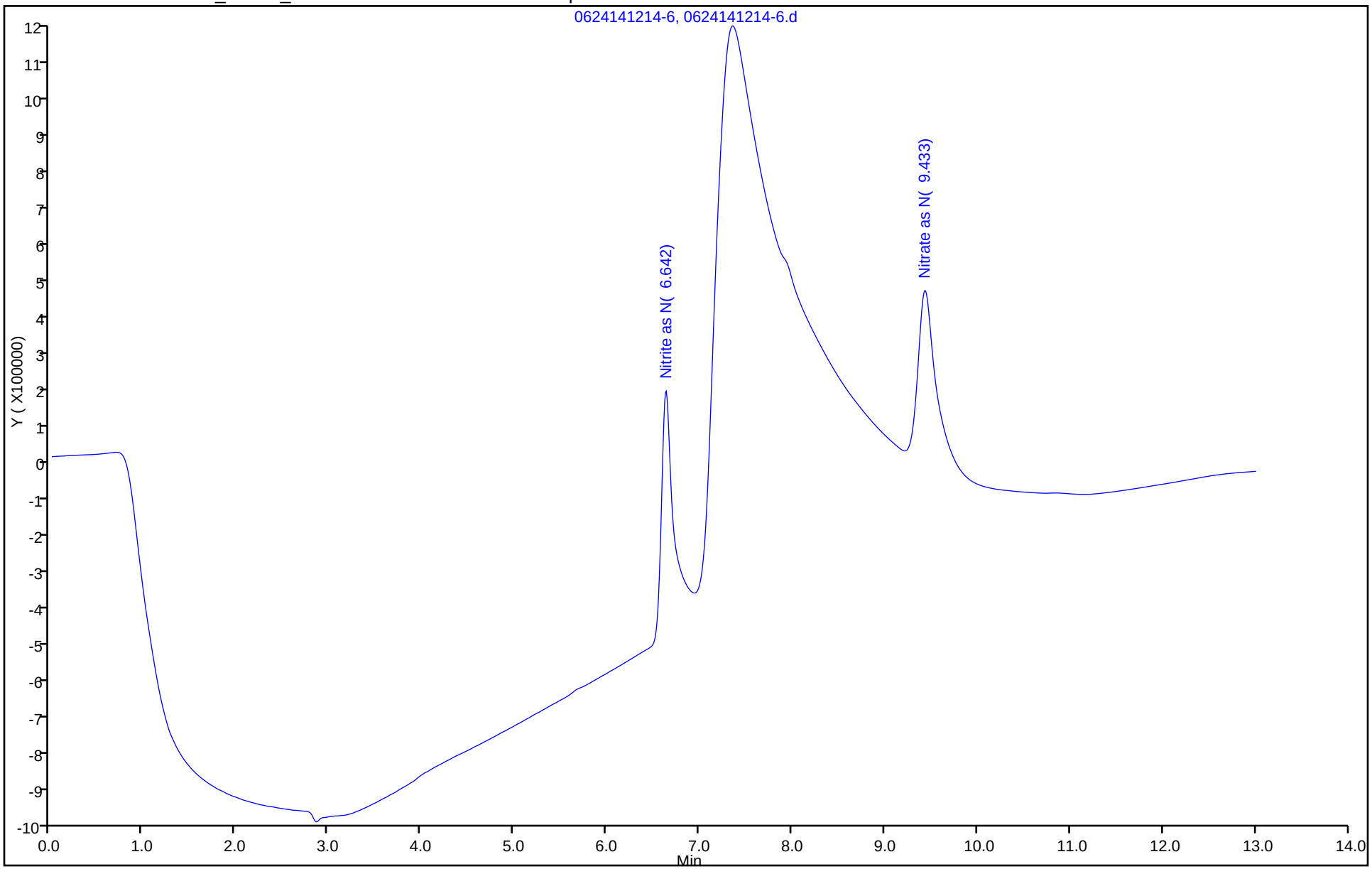
N-N-3_00086 Amount Added: 5.00 Units: mL

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:

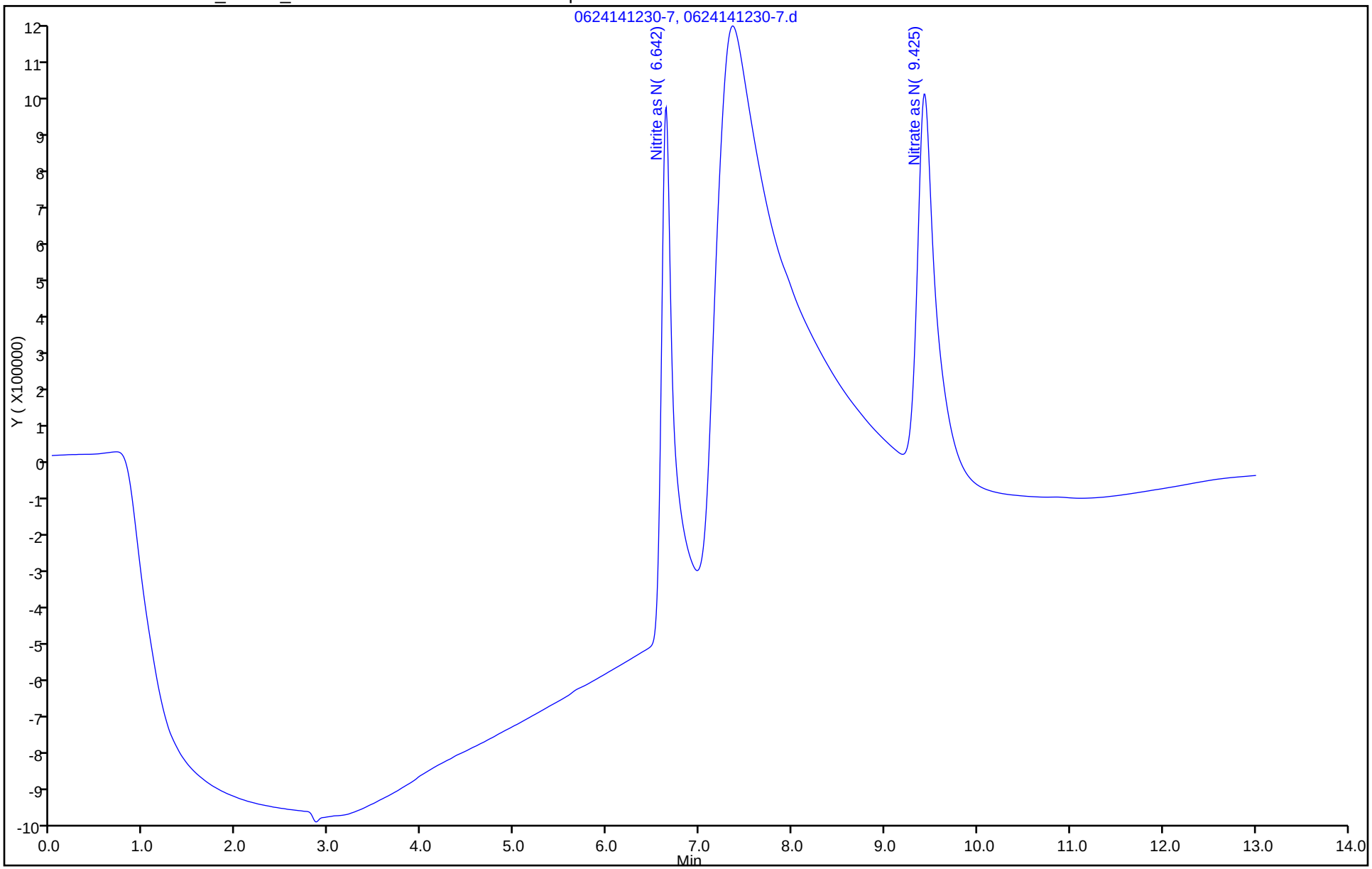
N-N-4_00087 Amount Added: 5.00 Units: mL

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:

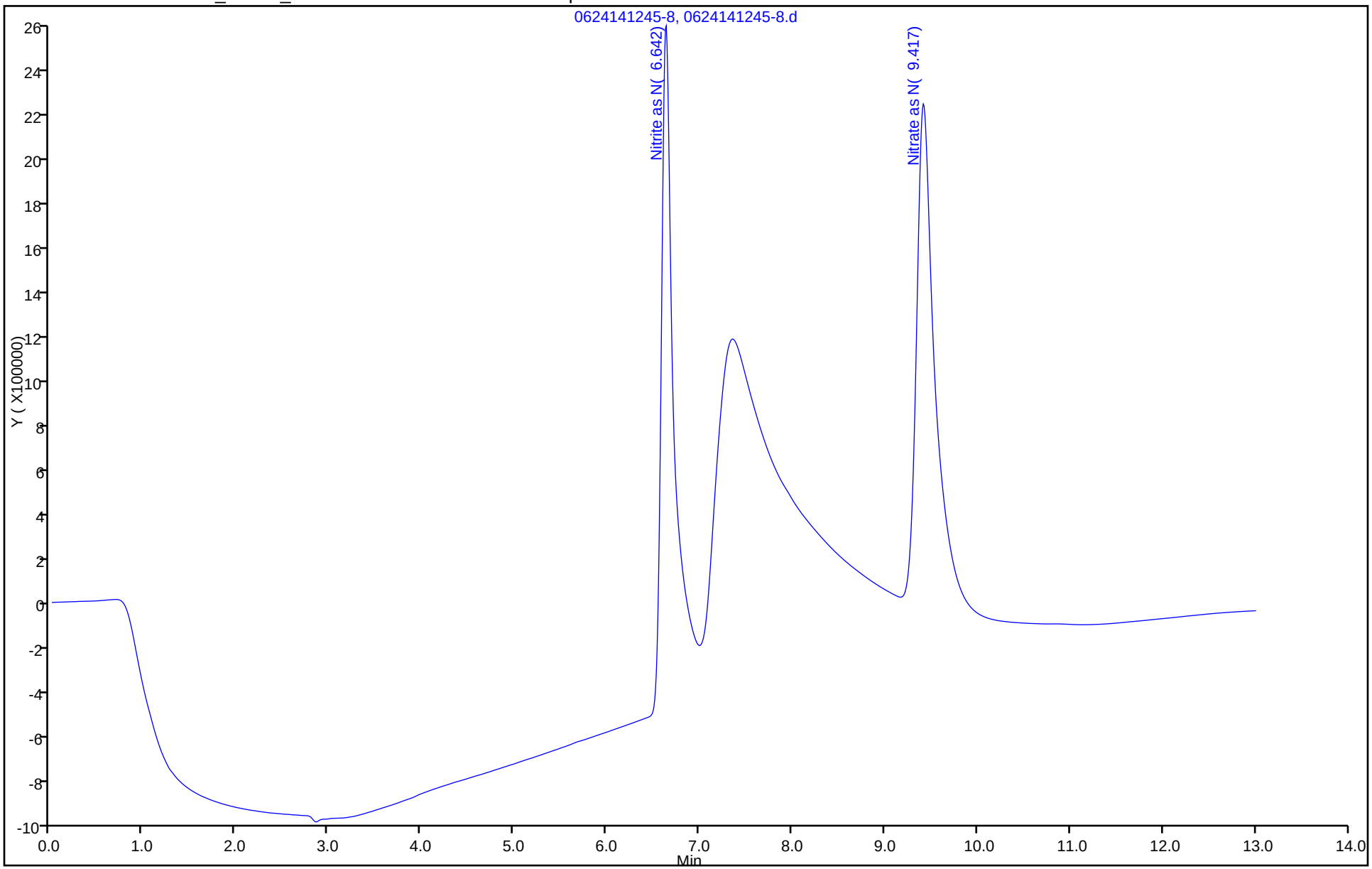
N-N-5_00102 Amount Added: 5.00 Units: mL

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:

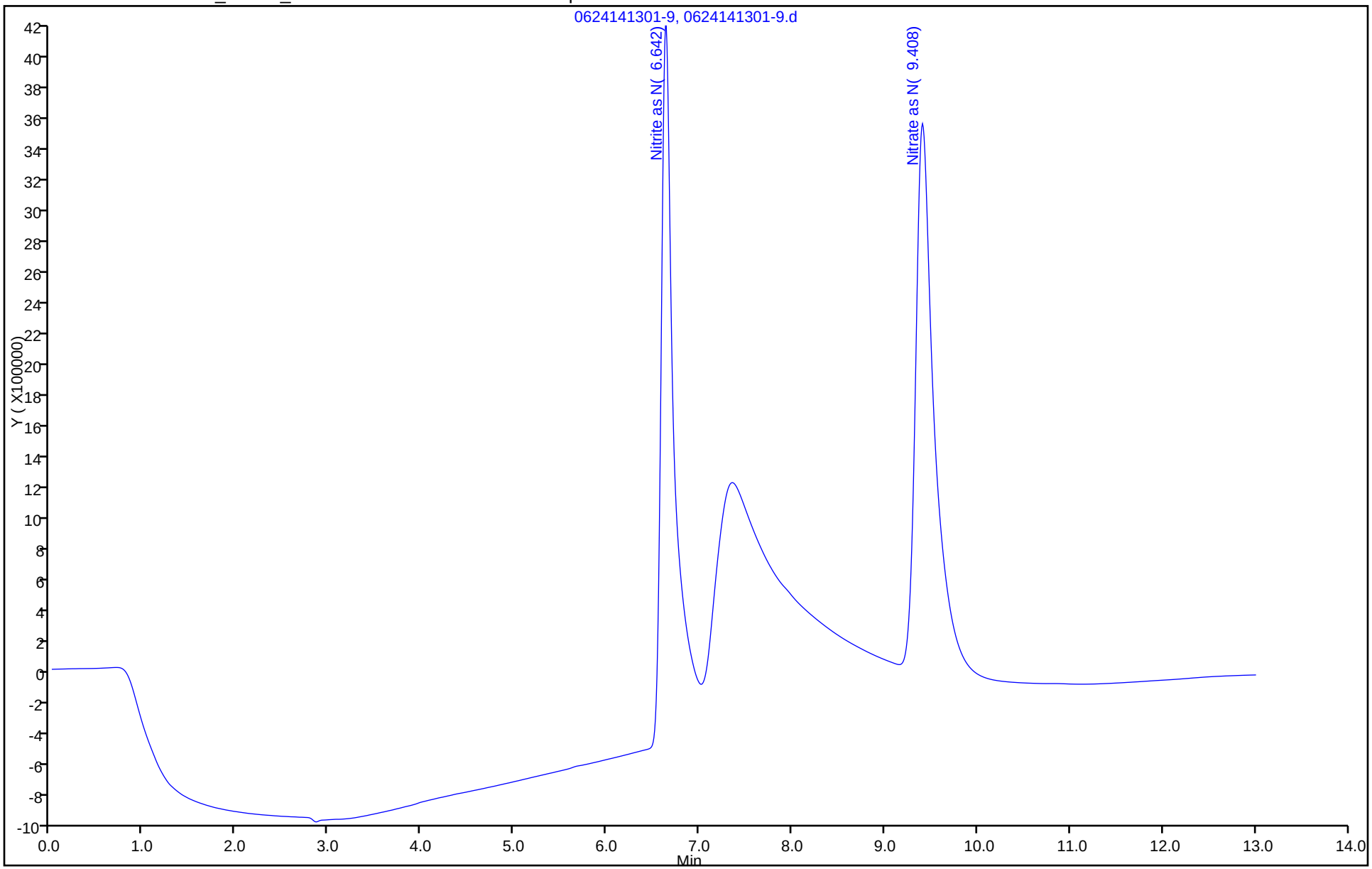
N-N-6_00085 Amount Added: 5.00 Units: mL

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:

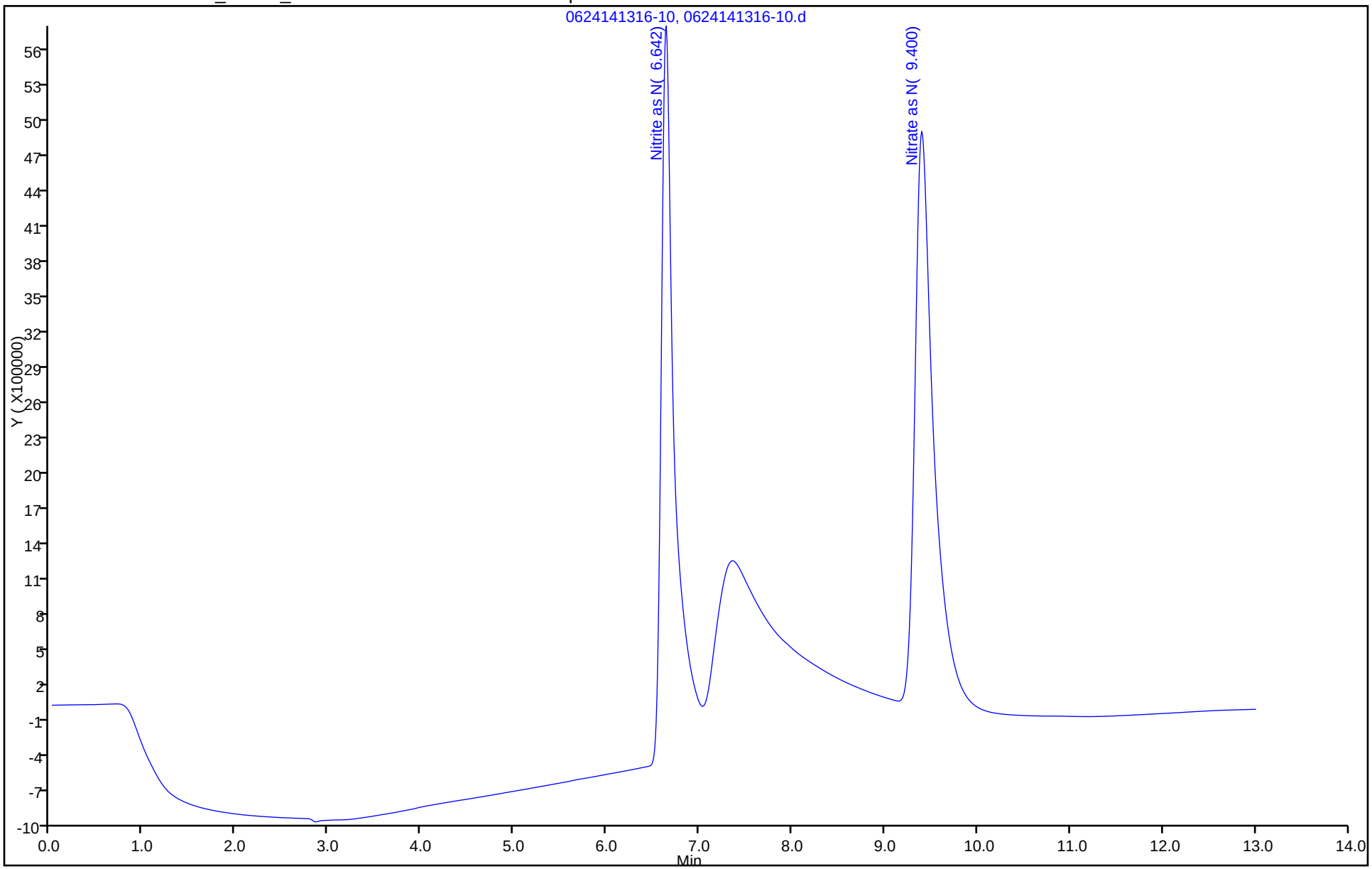
N-N-7_00089 Amount Added: 5.00 Units: mL

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.: 680-102616-1

SDG No.:

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.: 680-102616-1

SDG No.:

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:

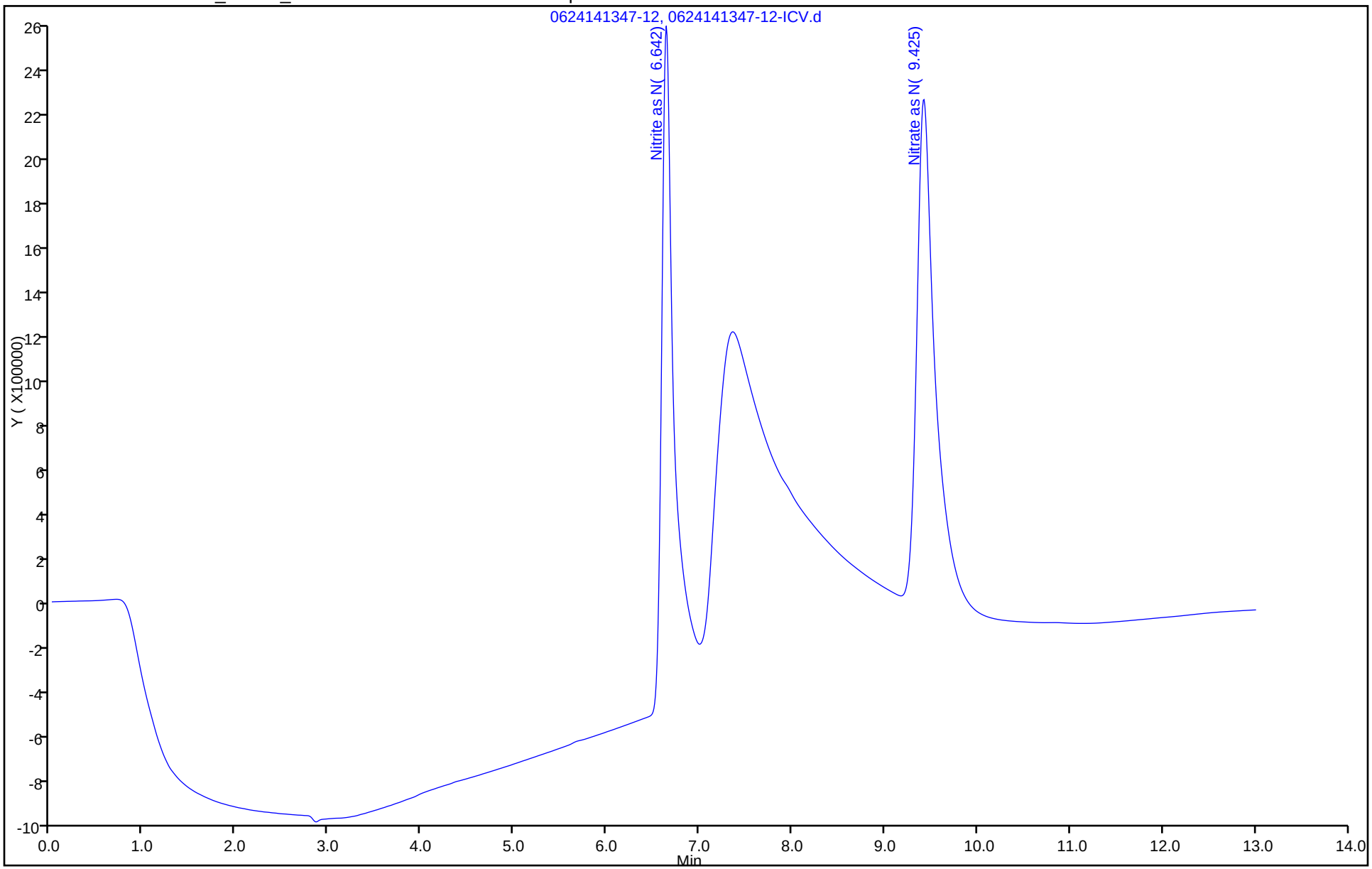
N-N-ICV_00165 Amount Added: 5.00 Units: mL

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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336028/25 Calibration Date: 06/24/2014 19:48

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: 0624141948-27.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26083083		0.995	1.00	-0.5	10.0
Nitrate as N	Lin2		31180317		1.02	1.00	1.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336028/25 Calibration Date: 06/24/2014 19:48

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: 0624141948-27.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\20140624-10417.b\0624141948-27.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	24-Jun-2014 19:48:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G062414 Anion				
Misc. Info.:	27452 3642463				
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 12:01:44	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	6.650	6.650	0.000	26087256	1.00	1.00	
	6 Nitrate as N	9.433	9.433	0.000	31181876	1.00	1.02	
S	9 Nitrite as NO2					3.29	3.27	
S	10 Nitrate as NO3					4.43	4.51	

Reagents:

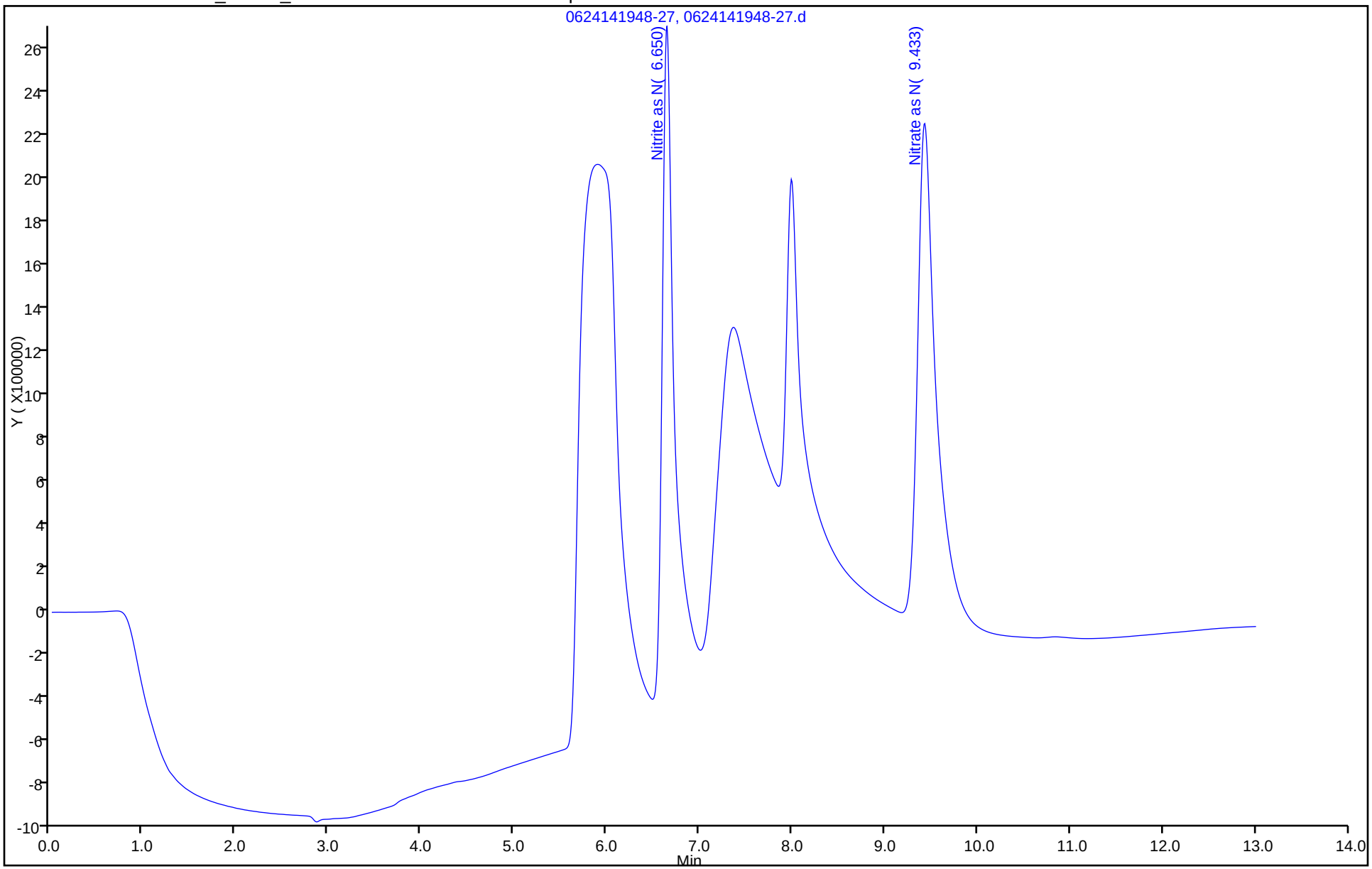
N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141948-27.d

Injection Date:	24-Jun-2014 19:48:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	25
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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336028/37 Calibration Date: 06/24/2014 22:53

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: 0624142253-39.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26563744		1.01	1.00	1.3	10.0
Nitrate as N	Lin2		31487262		1.03	1.00	2.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336048/37 Calibration Date: 06/24/2014 22:53

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: 0624142253-39.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26563744		1.01	1.00	1.3	10.0
Nitrate as N	Lin2		31487262		1.03	1.00	2.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336028/37 Calibration Date: 06/24/2014 22:53

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: 0624142253-39.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.44	9.19	9.69

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336048/37 Calibration Date: 06/24/2014 22:53

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: 0624142253-39.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.44	9.19	9.69

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142253-39.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	24-Jun-2014 22:53:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G062414 Anion				
Misc. Info.:	10443 3642463				
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 12:01:46	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	6.650	6.650	0.000	26567994	1.00	1.01	
	6 Nitrate as N	9.442	9.442	0.000	31488836	1.00	1.03	
S	9 Nitrite as NO2					3.29	3.33	
S	10 Nitrate as NO3					4.43	4.55	

Reagents:

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142253-39.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	24-Jun-2014 22:53:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G062414 Anion				
Misc. Info.:	10443 3642463				
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 12:01:46	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	6.650	6.650	0.000	26567994	1.00	1.01	
	6 Nitrate as N	9.442	9.442	0.000	31488836	1.00	1.03	
S	9 Nitrite as NO2					3.29	3.33	
S	10 Nitrate as NO3					4.43	4.55	

Reagents:

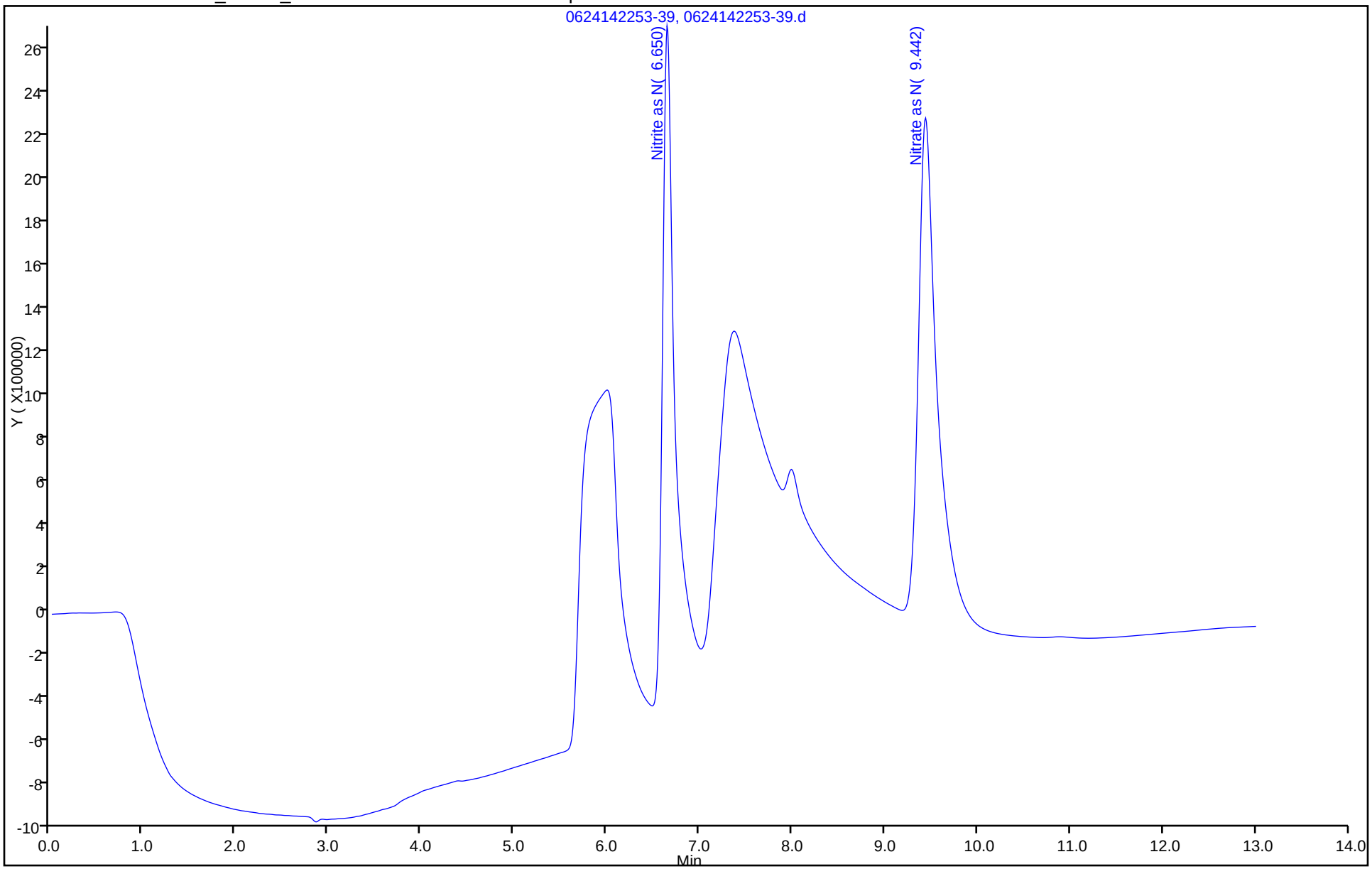
N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142253-39.d

Injection Date:	24-Jun-2014 22:53:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	37
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		

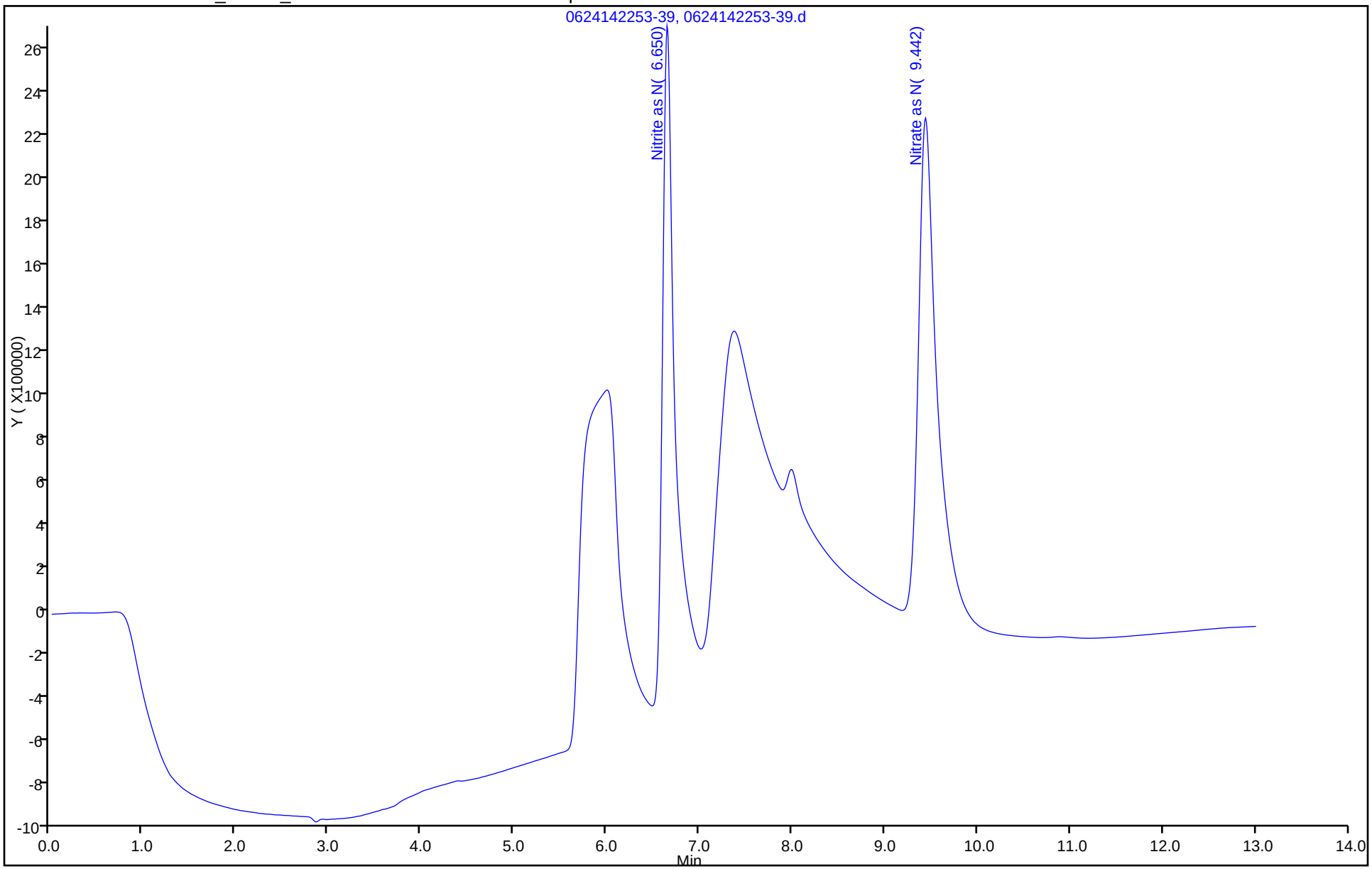


Report Date: 26-Jun-2014 12:01:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142253-39.d

Injection Date:	24-Jun-2014 22:53:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	37
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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336048/47 Calibration Date: 06/25/2014 01:58

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: 0625140158-51.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26639864		1.02	1.00	1.6	10.0
Nitrate as N	Lin2		31550701		1.03	1.00	3.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336048/47 Calibration Date: 06/25/2014 01:58

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: 0625140158-51.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.44	9.19	9.69

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140158-51.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	25-Jun-2014 01:58:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5- 1G062414 Anion				
Misc. Info.:	4599 3642463				
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 12:01:49	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	6.650	6.650	0.000	26644126	1.00	1.02	
	6 Nitrate as N	9.442	9.442	0.000	31552279	1.00	1.03	
S	9 Nitrite as NO2					3.29	3.34	
S	10 Nitrate as NO3					4.43	4.56	

Reagents:

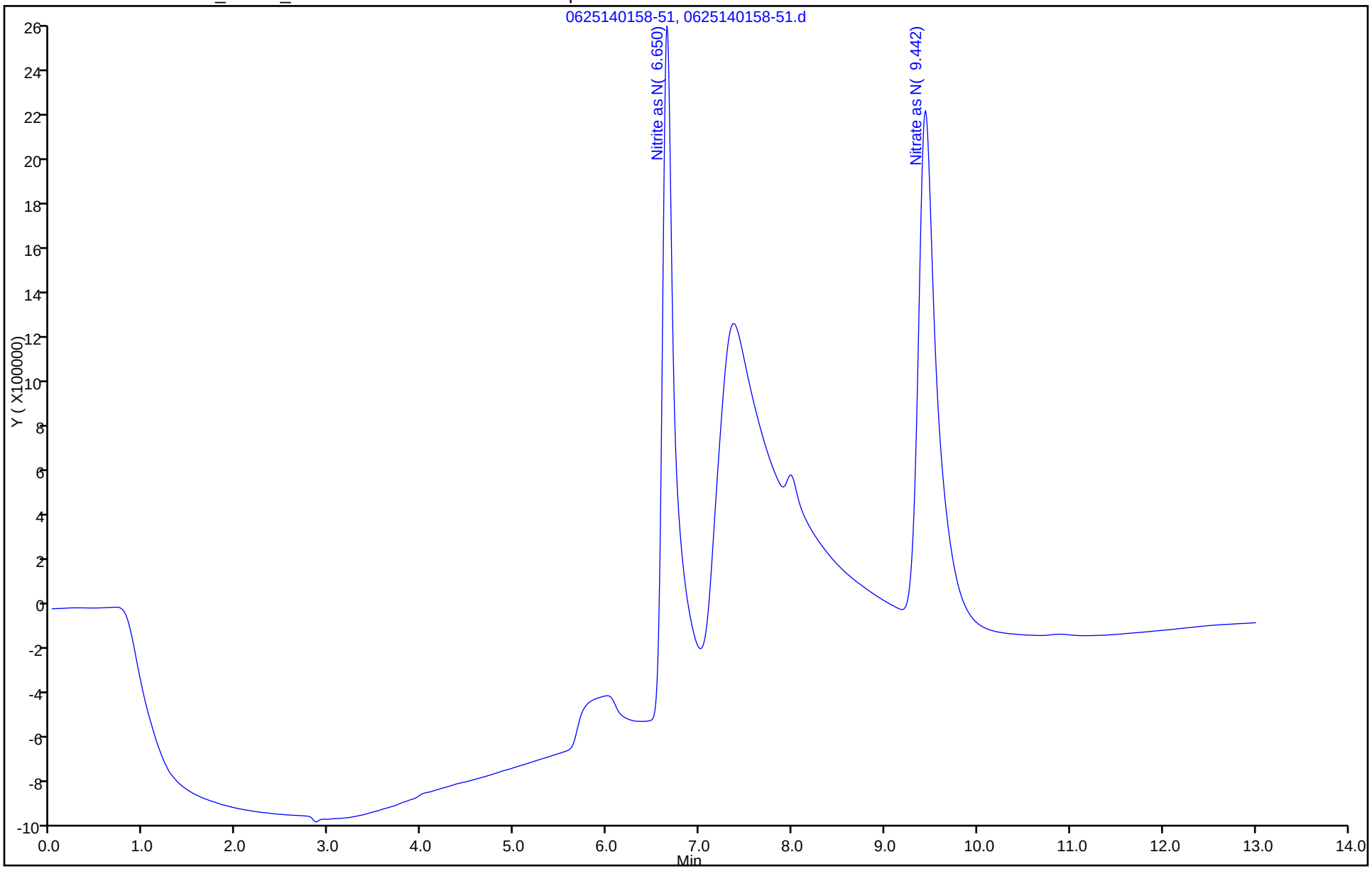
N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140158-51.d

Injection Date:	25-Jun-2014 01:58:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	47
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336172/4 Calibration Date: 06/25/2014 09:42

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: 0625140942-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		27037799		1.03	1.00	3.1	10.0
Nitrate as N	Lin2		32093265		1.05	1.00	4.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336172/4 Calibration Date: 06/25/2014 09:42

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: 0625140942-4.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\20140625-10447.b\0625140942-4.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Jun-2014 09:42:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G062514 Anion
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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	6.658	6.658	0.000	27042125	1.00	1.03	
6 Nitrate as N	9.442	9.442	0.000	32094870	1.00	1.05	
S 9 Nitrite as NO2					3.29	3.39	
S 10 Nitrate as NO3					4.43	4.64	

Reagents:

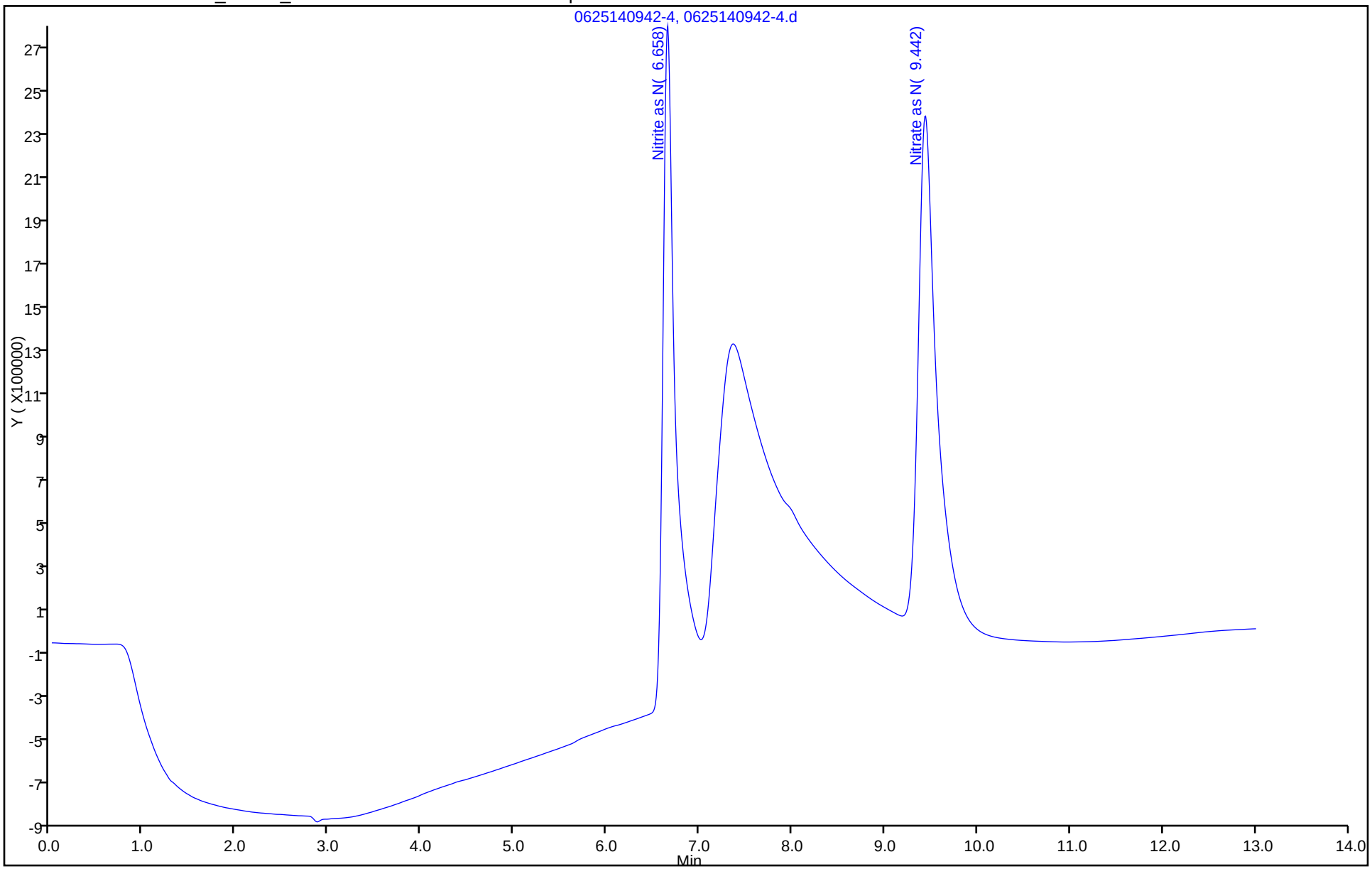
N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 13:46:15 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625140942-4.d

Injection Date:	25-Jun-2014 09:42:00	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.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336172/19 Calibration Date: 06/25/2014 13:33

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: 0625141333-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26848880		1.02	1.00	2.4	10.0
Nitrate as N	Lin2		31513486		1.03	1.00	2.9	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Lab Sample ID: CCV 680-336172/19 Calibration Date: 06/25/2014 13:33

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: 0625141333-19.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\20140625-10447.b\0625141333-19.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	25-Jun-2014 13:33:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G062514 Anion				
Misc. Info.:	26773				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:18	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	6.658	6.658	0.000	26853176	1.00	1.02	
	6 Nitrate as N	9.442	9.442	0.000	31515062	1.00	1.03	
S	9 Nitrite as NO2					3.29	3.37	
S	10 Nitrate as NO3					4.43	4.55	

Reagents:

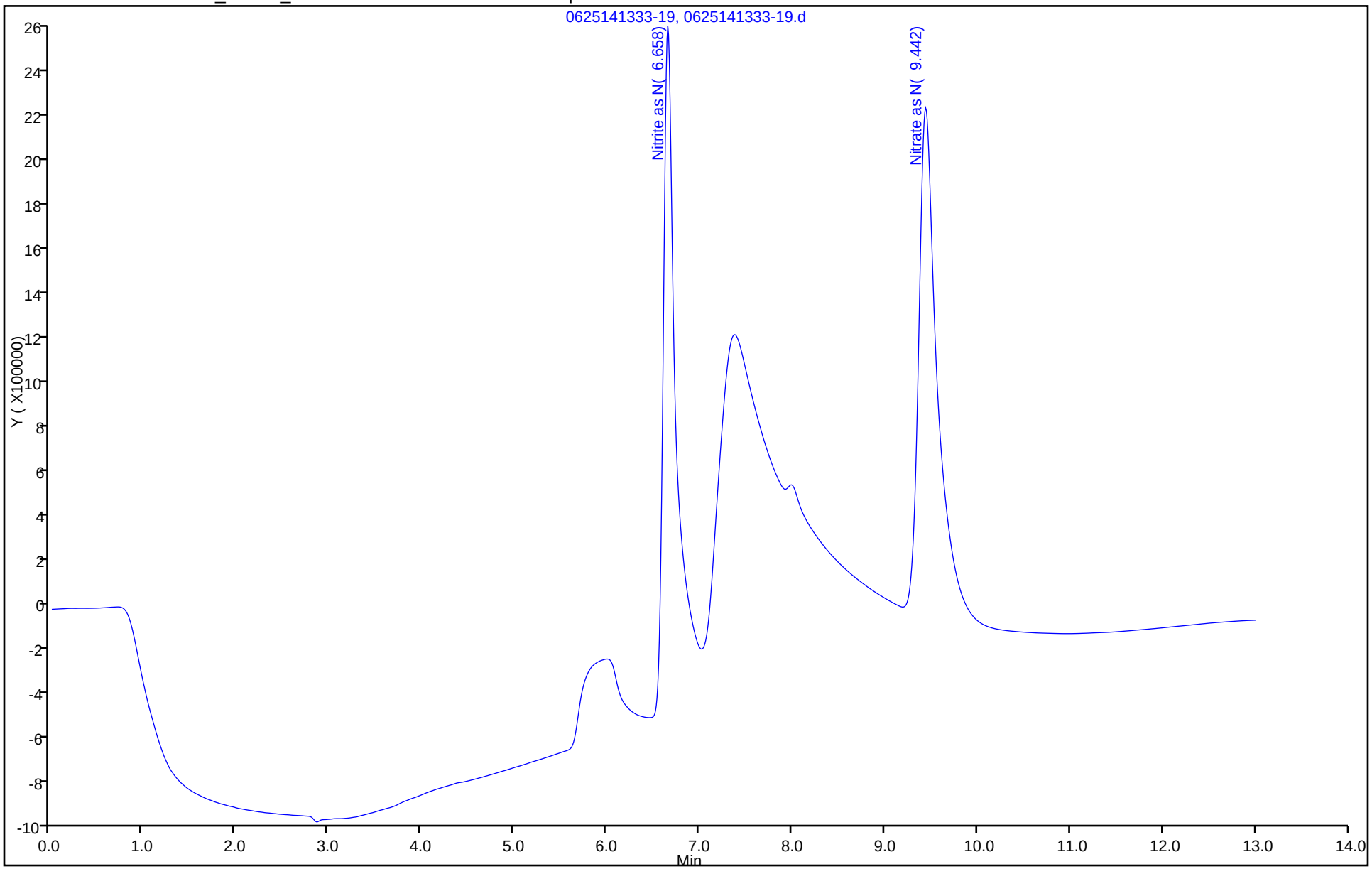
N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 13:46:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141333-19.d

Injection Date:	25-Jun-2014 13:33:00	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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-336028/11

Matrix: Water Lab File ID: 0624141331-11.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 Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141331-11.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Jun-2014 13:31:00 ALS Bottle#: 0 Worklist Smp#: 11
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

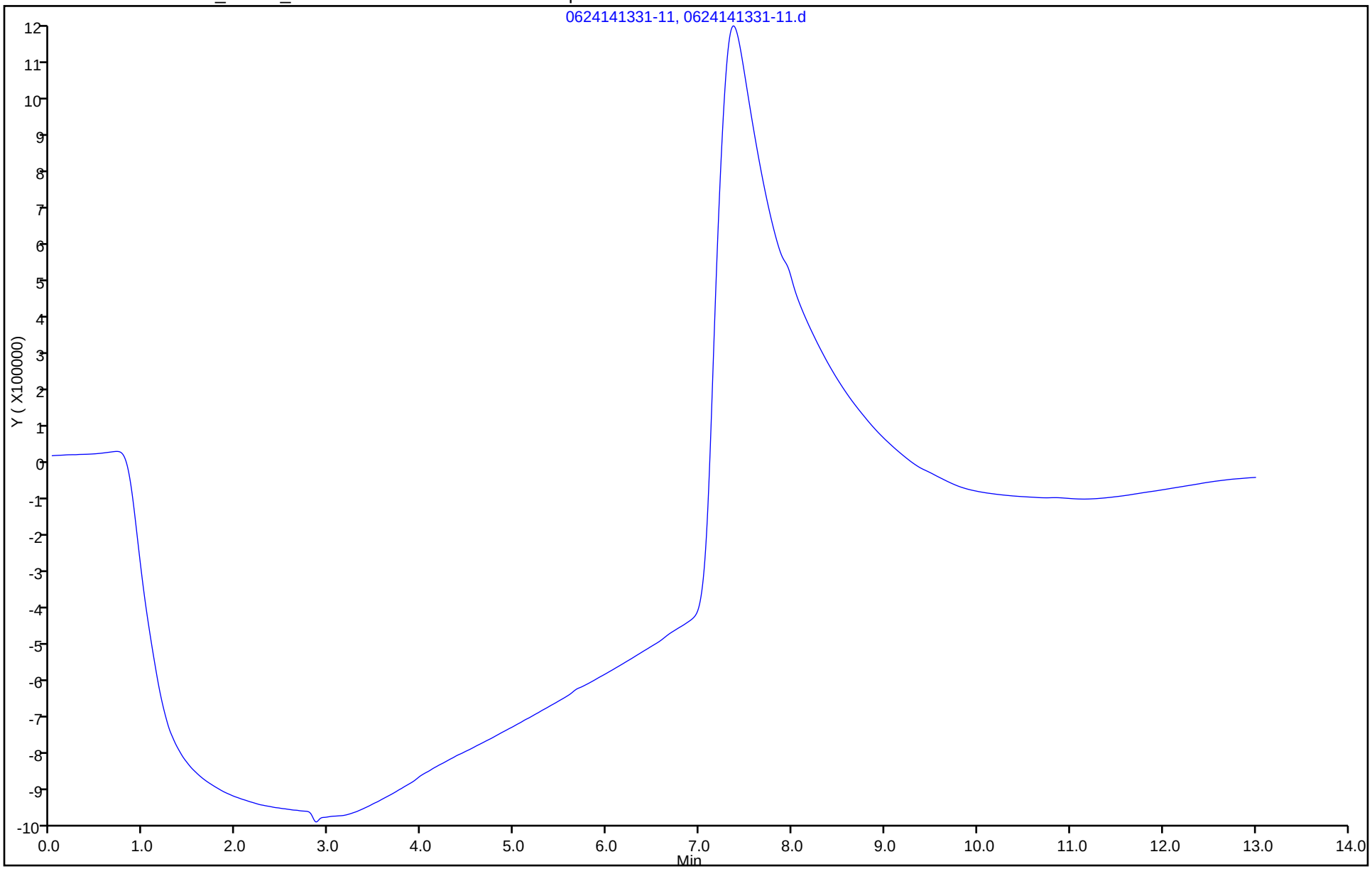
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

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

TestAmerica Savannah

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

Injection Date:	24-Jun-2014 13:31:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	MB			Worklist Smp#:	11
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.: 680-102616-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 680-336048/38

Matrix: Water | Lab File ID: 0624142308-40.d

Analysis Method: 300.0 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2014 23:08

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.: 336048 | 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\20140624-10417.b\0624142308-40.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	24-Jun-2014 23:08:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062414 Anion				
Misc. Info.:	23934				
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 12:01:46	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 13:04:44		

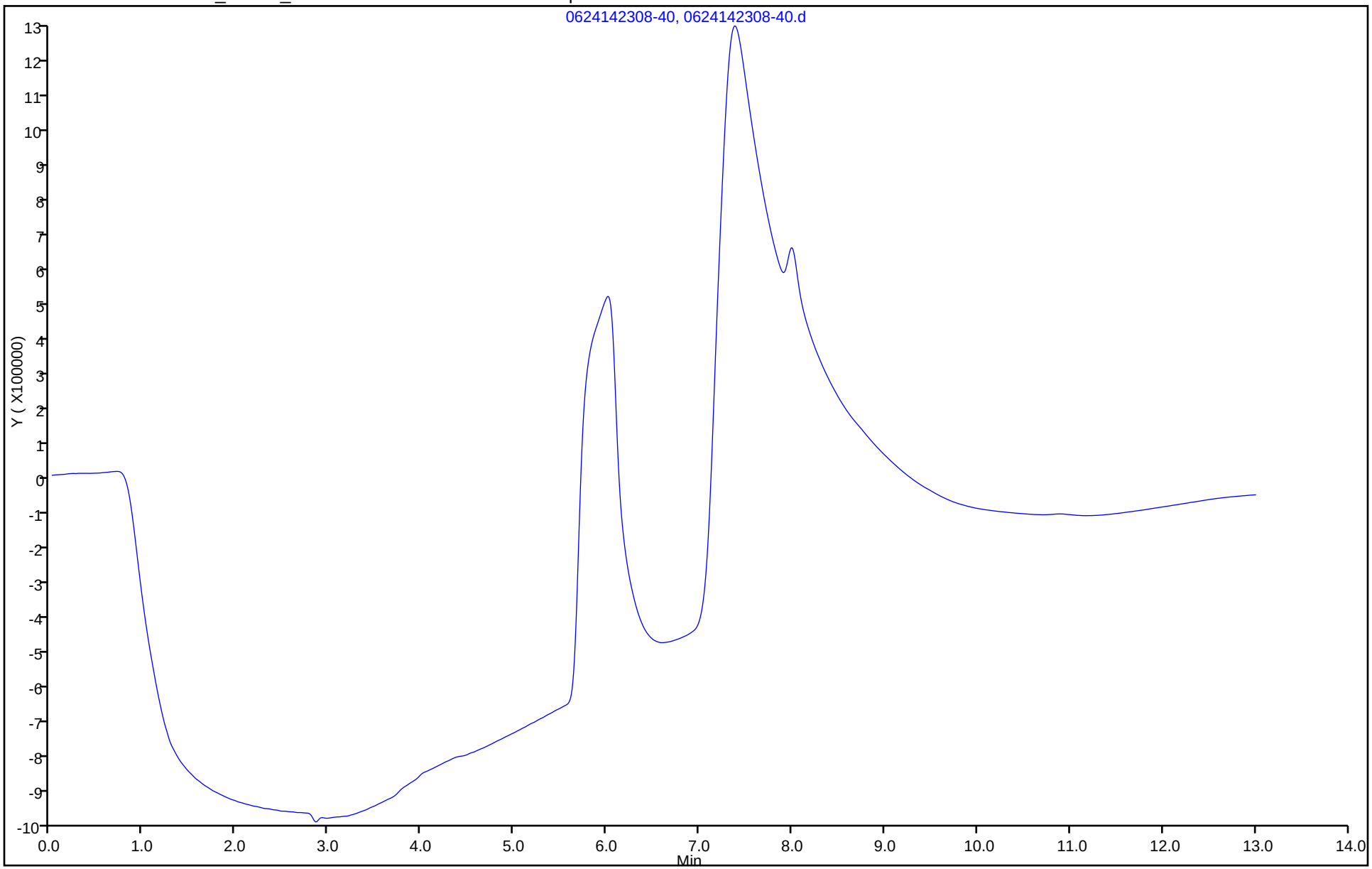
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 12:01:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142308-40.d

Injection Date:	24-Jun-2014 23:08:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	38
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 680-336172/5

Matrix: Water Lab File ID: 0625140957-5.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 09:57

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.: 336172 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\20140625-10447.b\0625140957-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	25-Jun-2014 09:57:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1G062514 Anion				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:14	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:	26-Jun-2014 13:31:02		

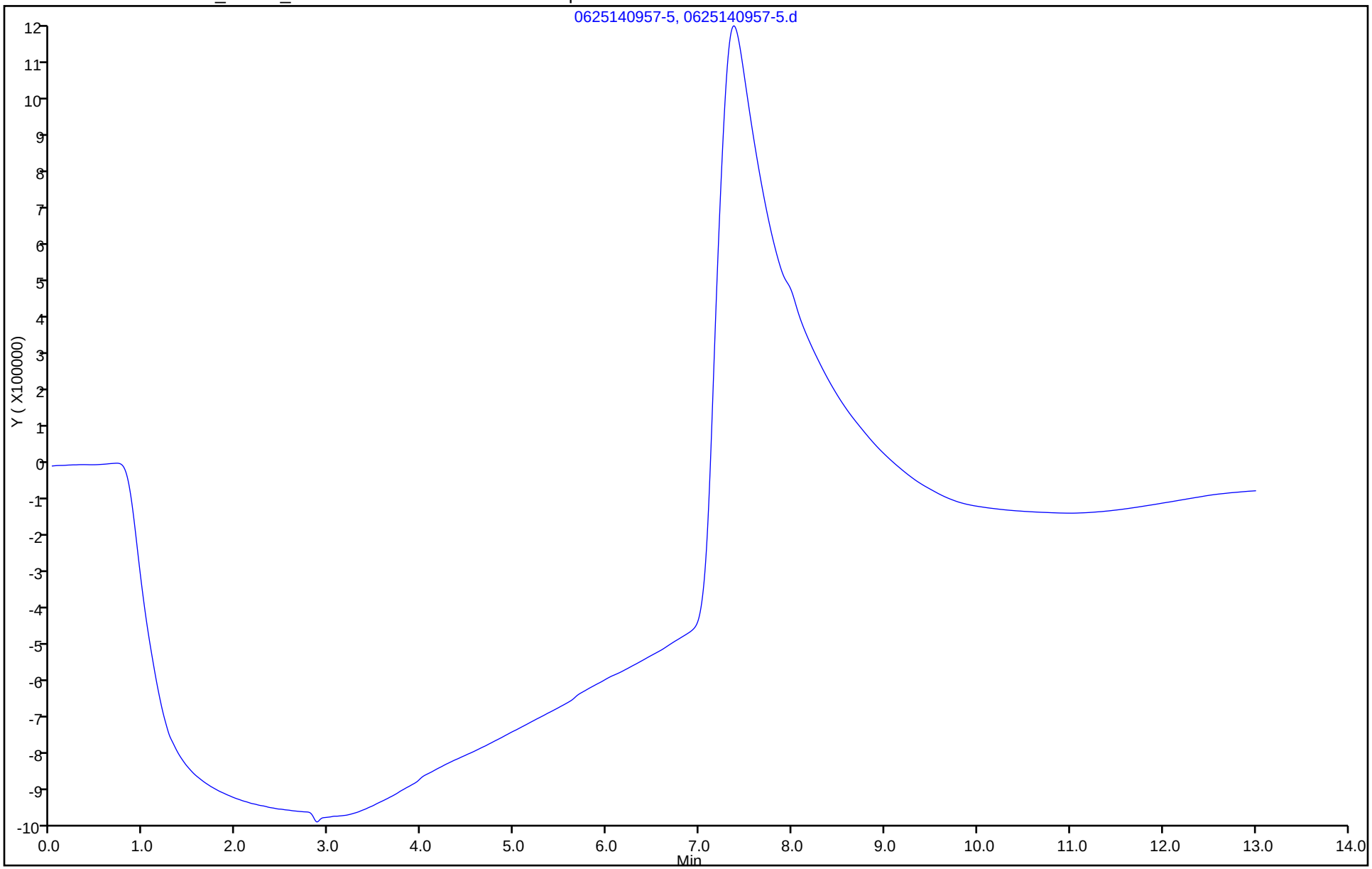
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 13:46:15 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625140957-5.d

Injection Date:	25-Jun-2014 09:57:00	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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336028/26

Matrix: Water Lab File ID: 0624142003-28.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 20:03

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.: 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 Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142003-28.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	24-Jun-2014 20:03:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062414 Anion				
Misc. Info.:	1965				
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 12:01:44	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 13:04:19		

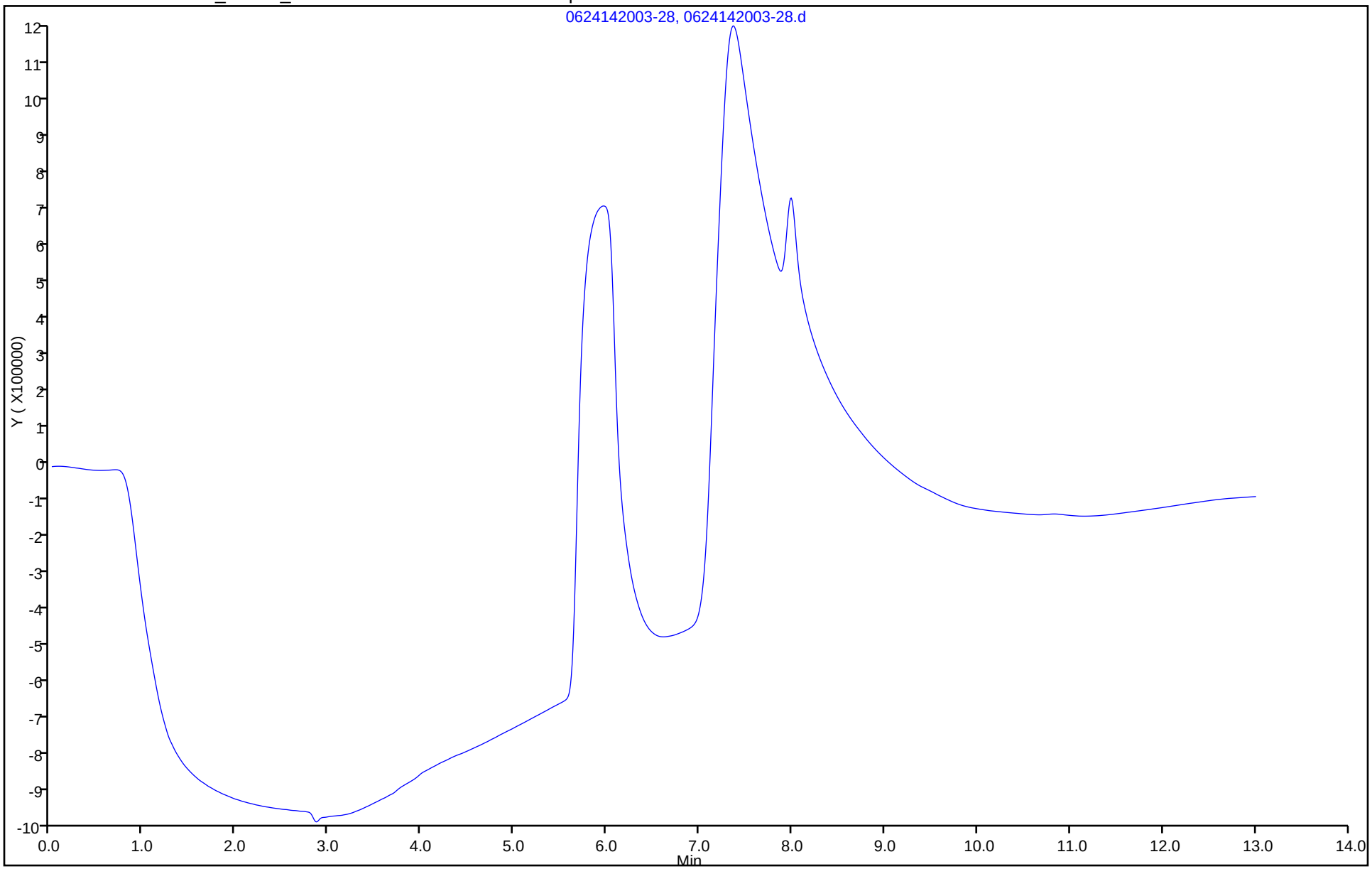
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 12:01:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142003-28.d

Injection Date:	24-Jun-2014 20:03:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	26
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336028/38

Matrix: Water Lab File ID: 0624142308-40.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 23:08

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 Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142308-40.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	24-Jun-2014 23:08:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062414 Anion				
Misc. Info.:	23934				
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 12:01:46	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 13:04:44		

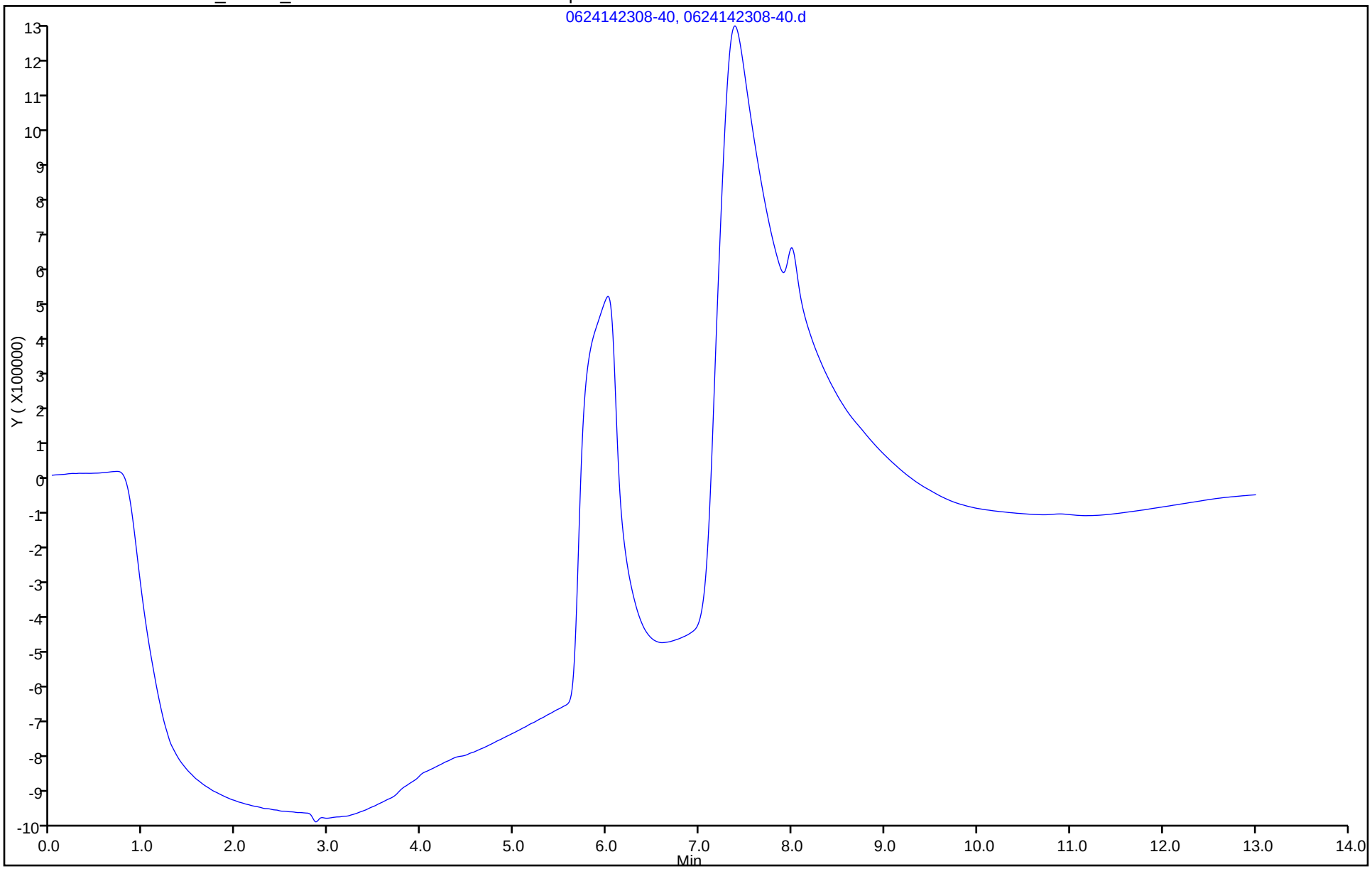
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 12:01:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142308-40.d

Injection Date:	24-Jun-2014 23:08:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	38
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336048/48

Matrix: Water Lab File ID: 0625140213-52.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 02:13

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.: 336048 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\20140624-10417.b\0625140213-52.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	25-Jun-2014 02:13:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062414 Anion				
Misc. Info.:	13934				
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 12:01:49	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 13:05:13		

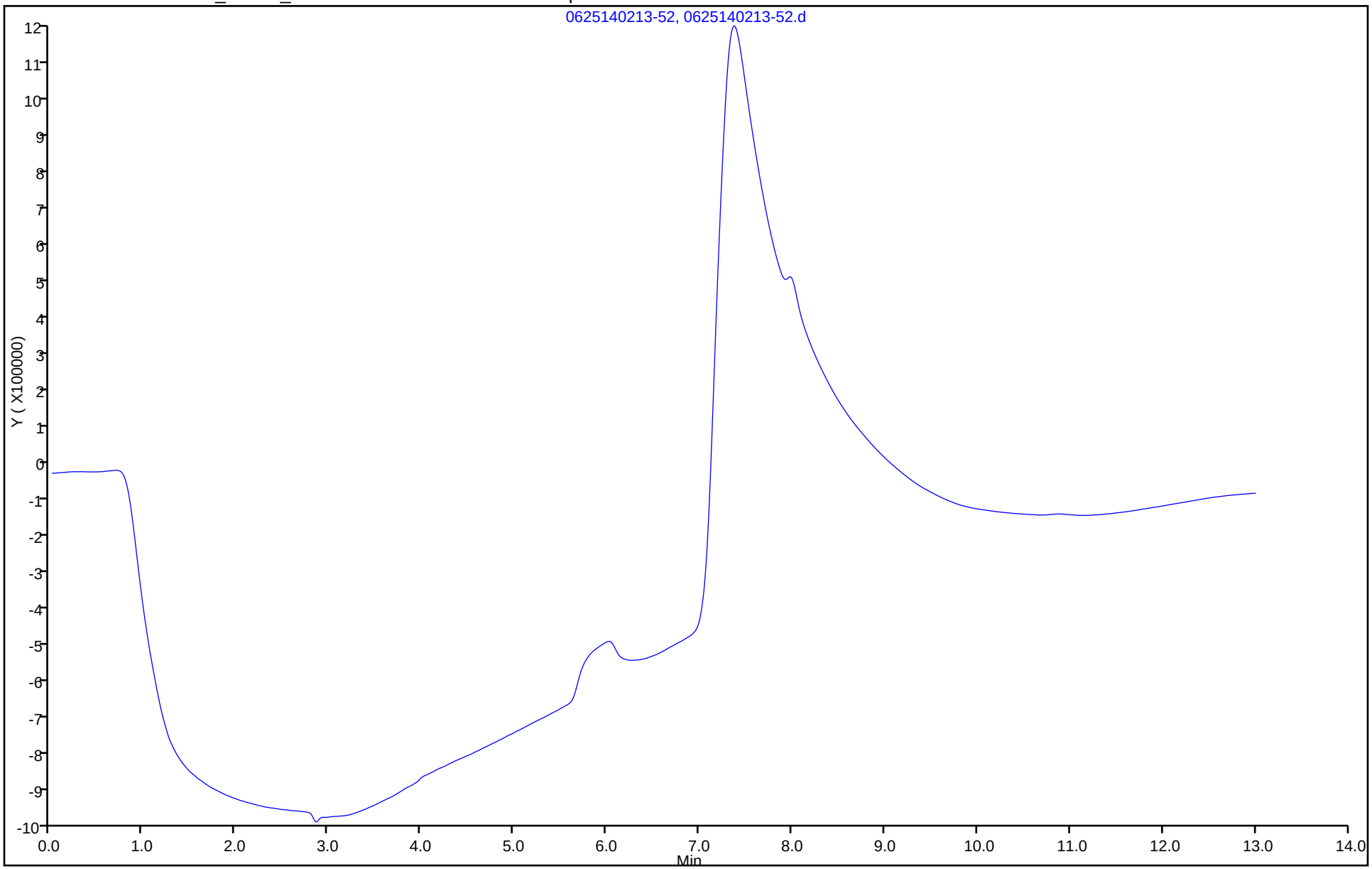
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 12:01:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0625140213-52.d

Injection Date:	25-Jun-2014 02:13:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	48
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 680-336172/20

Matrix: Water Lab File ID: 0625141348-20.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 13:48

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.: 336172 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\20140625-10447.b\0625141348-20.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	25-Jun-2014 13:48:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062514 Anion				
Misc. Info.:	17324				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 13:46:18	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:	26-Jun-2014 13:31:31		

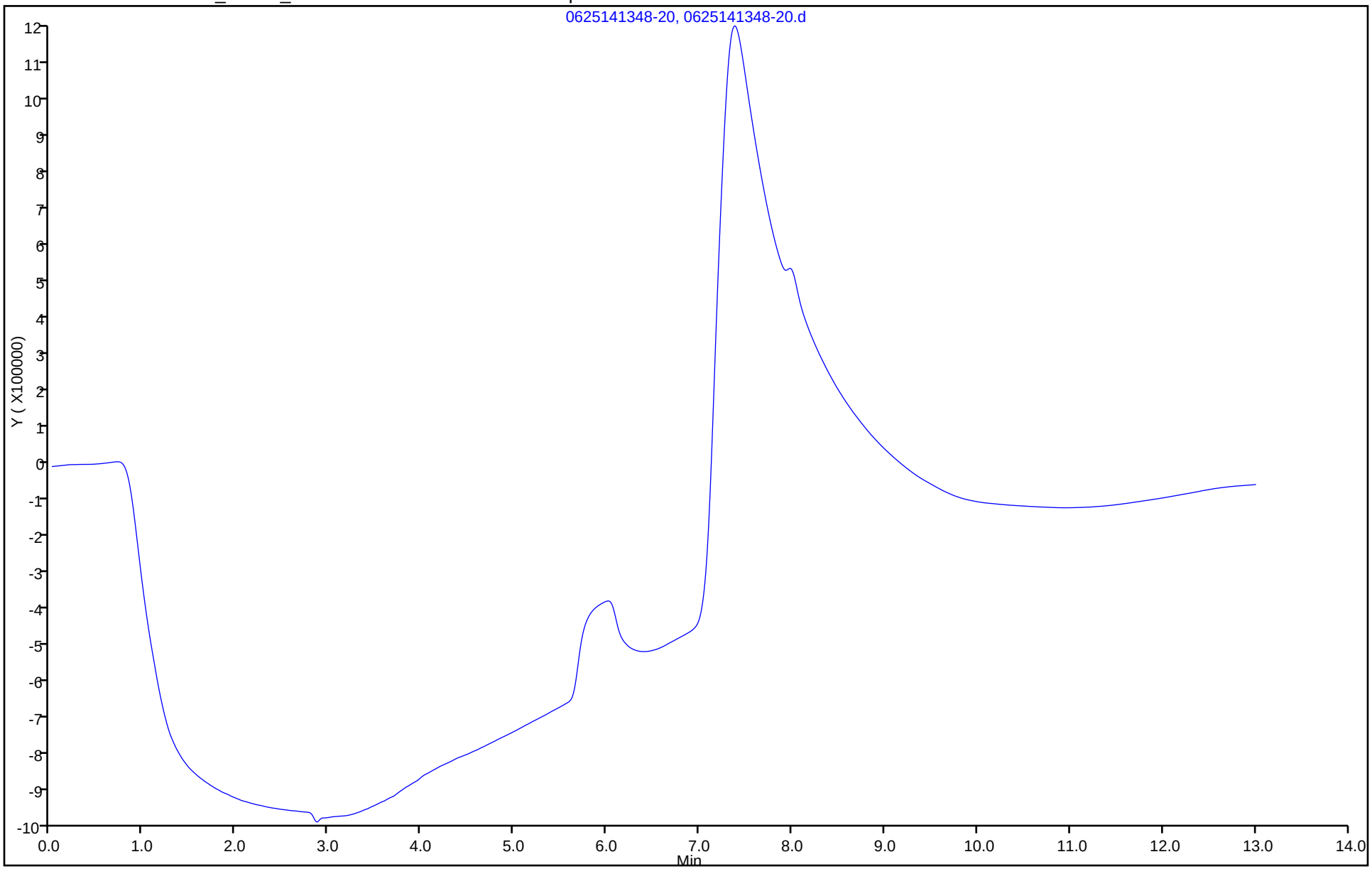
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 13:46:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141348-20.d

Injection Date:	25-Jun-2014 13:48:00	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.: 680-102616-1

SDG No.:

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		

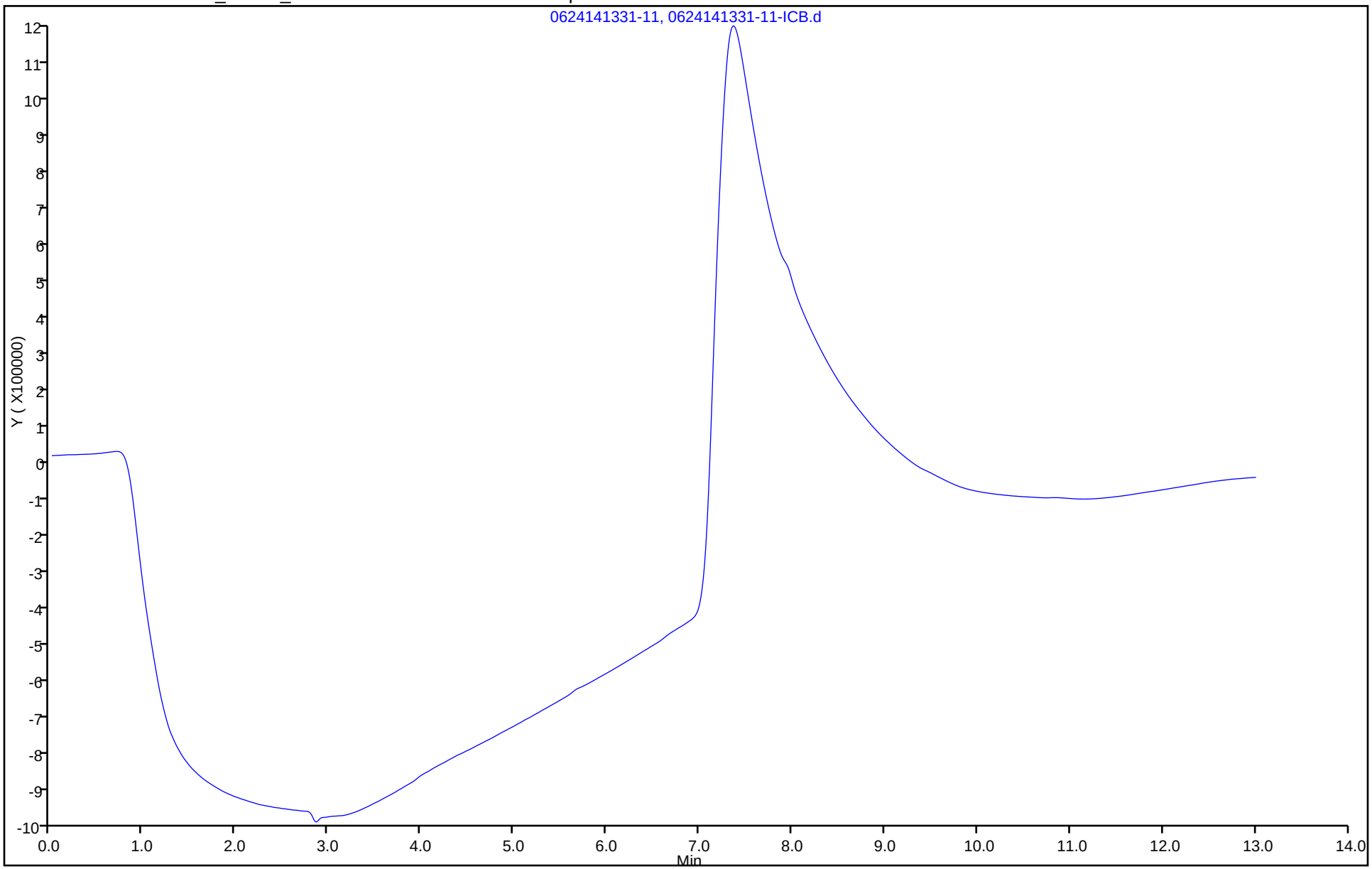
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336028/12

Matrix: Water Lab File ID: 0624141347-12.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 13:47

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	3.29		0.17	0.082
STL00672	Nitrate as NO3	4.49		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

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

	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:

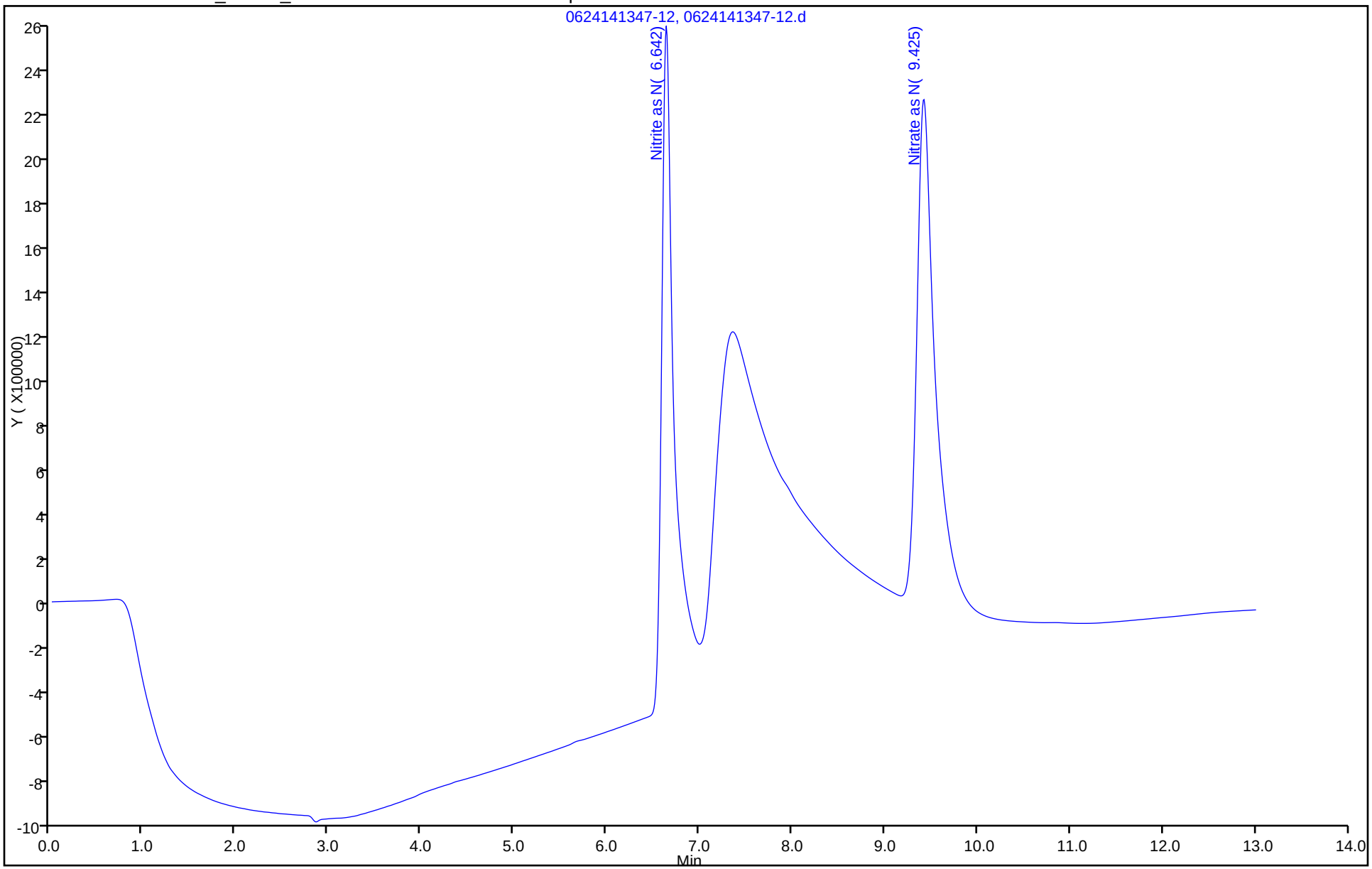
N-N-ICV_00165 Amount Added: 5.00 Units: mL

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

TestAmerica Savannah

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

Injection Date:	24-Jun-2014 13:47:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	12
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336048/39

Matrix: Water Lab File ID: 0624142323-41.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 23:23

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.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.30		0.17	0.082
STL00672	Nitrate as NO3	4.58		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142323-41.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Jun-2014 23:23:00 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G062414 Anion
Misc. Info.: 14308 3634784
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 12:01:46 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	6.650	6.650	0.000	26288732	1.00	1.00	
	6 Nitrate as N	9.442	9.442	0.000	31667875	1.00	1.03	
S	9 Nitrite as NO2					3.28	3.30	
S	10 Nitrate as NO3					4.42	4.58	

Reagents:

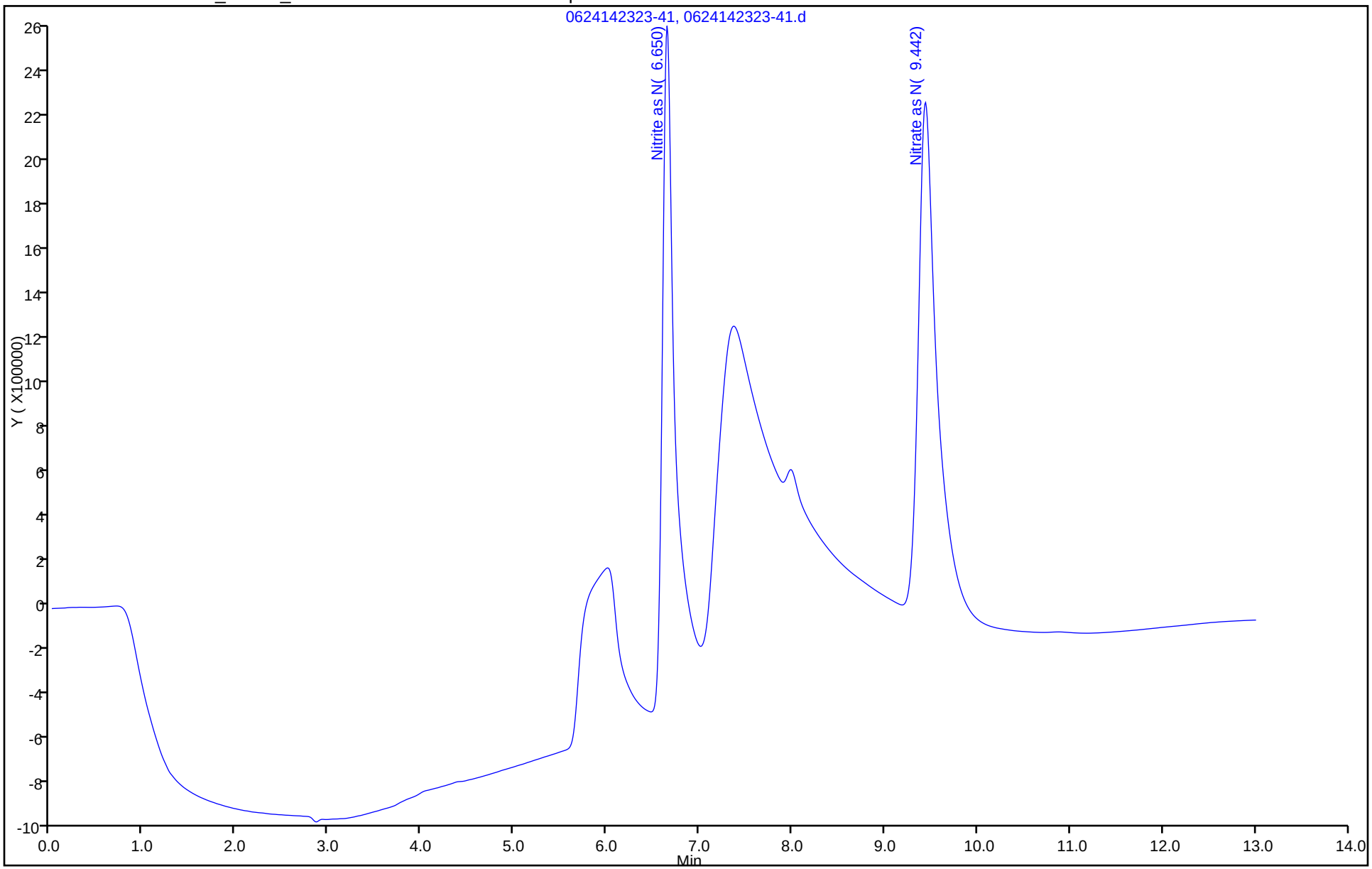
N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142323-41.d

Injection Date:	24-Jun-2014 23:23:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	39
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 680-336172/6

Matrix: Water Lab File ID: 0625141013-6.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 10:13

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.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.37		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\20140625-10447.b\0625141013-6.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2014 10:13:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G062514 Anion
Misc. Info.: 5 3590926
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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	6.650	6.658	-0.008	26832618	1.00	1.02	
	6 Nitrate as N	9.433	9.442	-0.009	32123766	1.00	1.05	
S	9 Nitrite as NO2					3.28	3.37	
S	10 Nitrate as NO3					4.42	4.64	

Reagents:

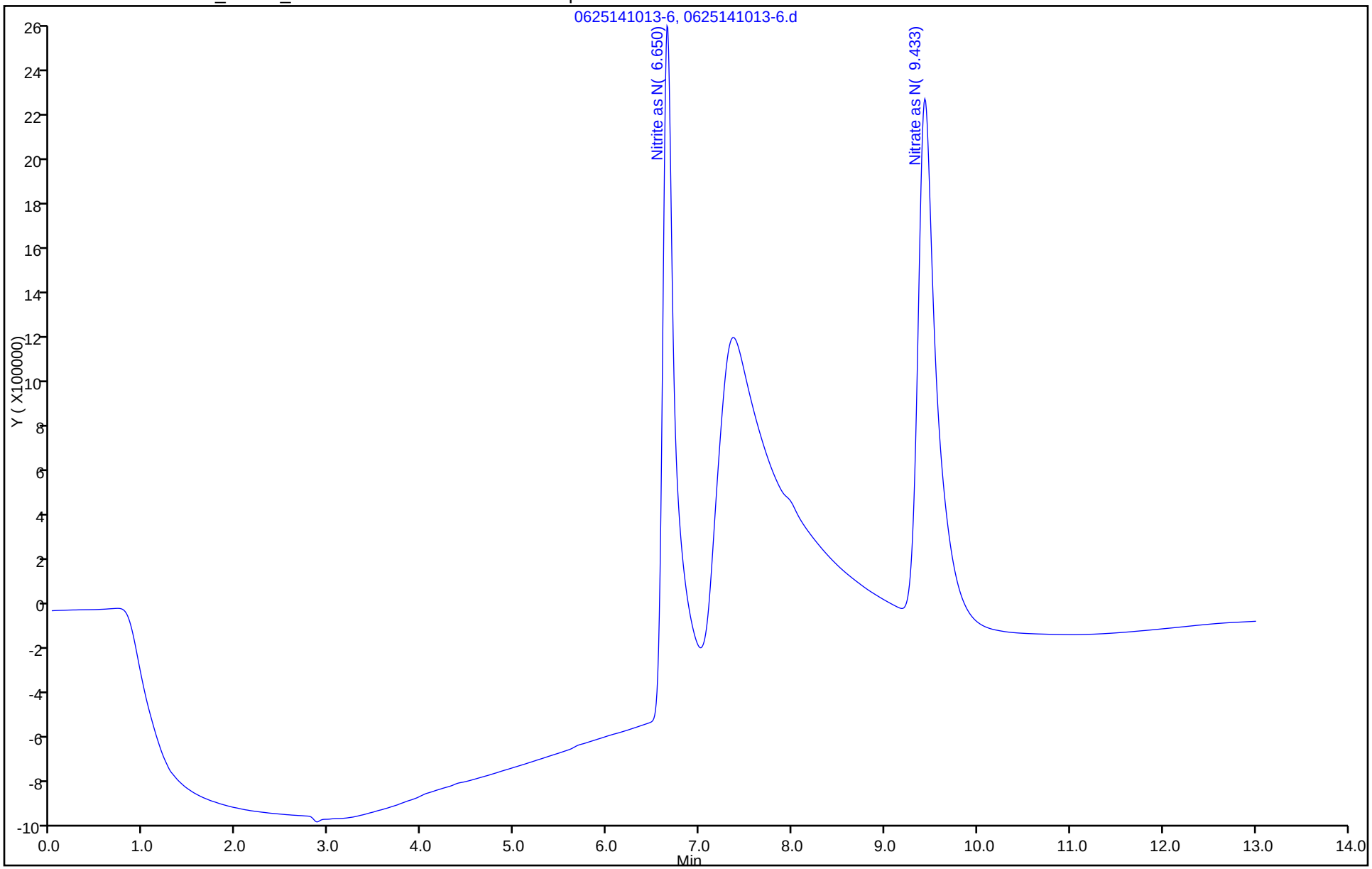
N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 13:46:15 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141013-6.d

Injection Date:	25-Jun-2014 10:13:00	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.: 680-102616-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 680-336028/13

Matrix: Water | Lab File ID: 0624141402-13.d

Analysis Method: 300.0 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 06/24/2014 14:02

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

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

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

Analysis Batch No.: 336028 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.30		0.17	0.082
STL00672	Nitrate as NO3	4.47		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141402-13.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 24-Jun-2014 14:02:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G062414 Anion
Misc. Info.: 13 3634784
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

	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	26265188	1.00	1.00	
	6 Nitrate as N	9.425	9.425	0.000	30913930	1.00	1.01	
S	9 Nitrite as NO2					3.28	3.30	
S	10 Nitrate as NO3					4.42	4.47	

Reagents:

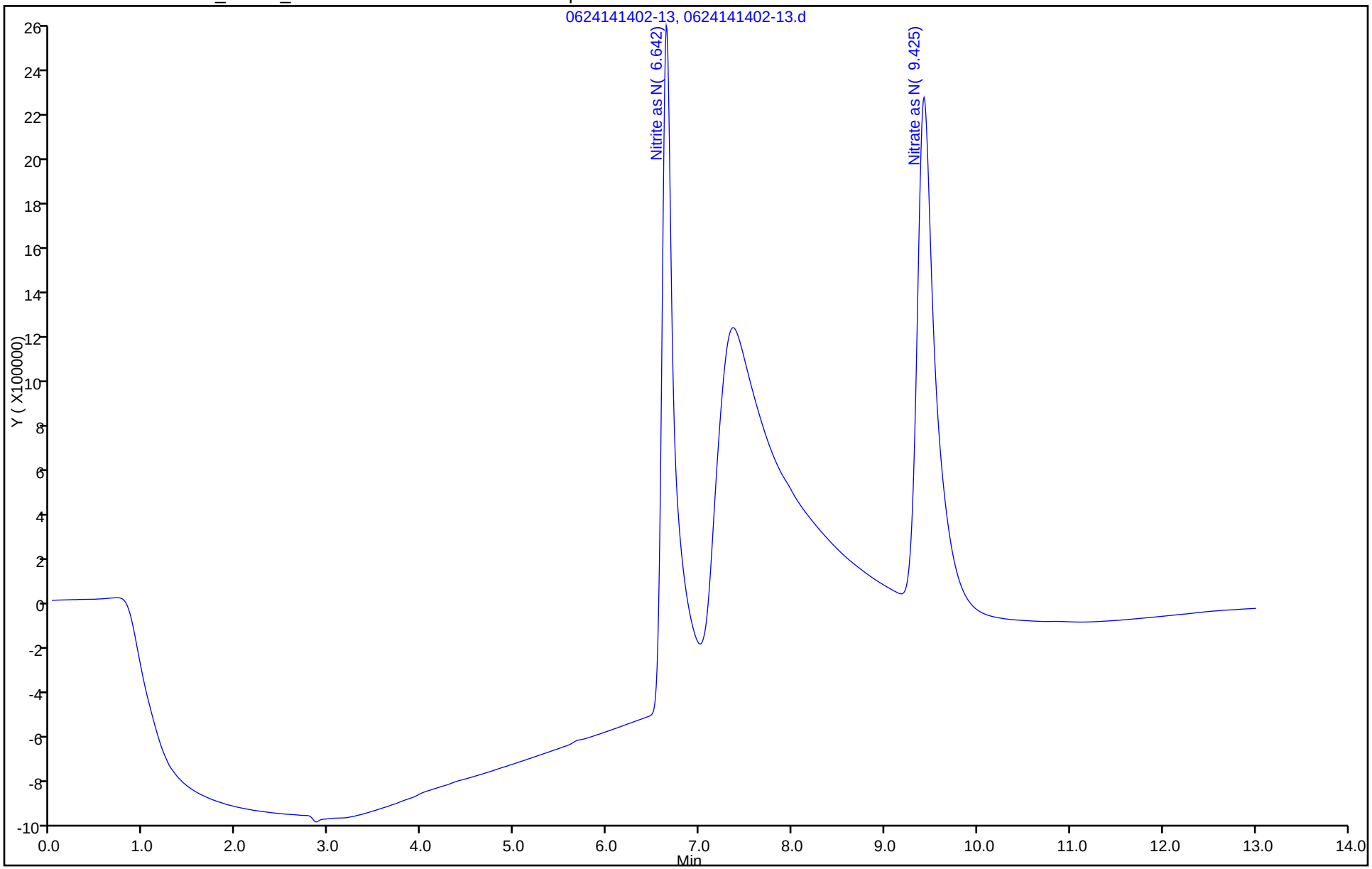
N-N-ICV_00165 Amount Added: 5.00 Units: mL

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141402-13.d

Injection Date:	24-Jun-2014 14:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	13
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-336048/40

Matrix: Water Lab File ID: 0624142339-42.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 23:39

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.: 336048 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.31		0.17	0.082
STL00672	Nitrate as NO3	4.60		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142339-42.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 24-Jun-2014 23:39:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G062414 Anion
Misc. Info.: 1445 3634784
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 12:01:46 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	6.650	6.650	0.000	26374274	1.00	1.01	
	6 Nitrate as N	9.442	9.442	0.000	31853071	1.00	1.04	
S	9 Nitrite as NO2					3.28	3.31	
S	10 Nitrate as NO3					4.42	4.60	

Reagents:

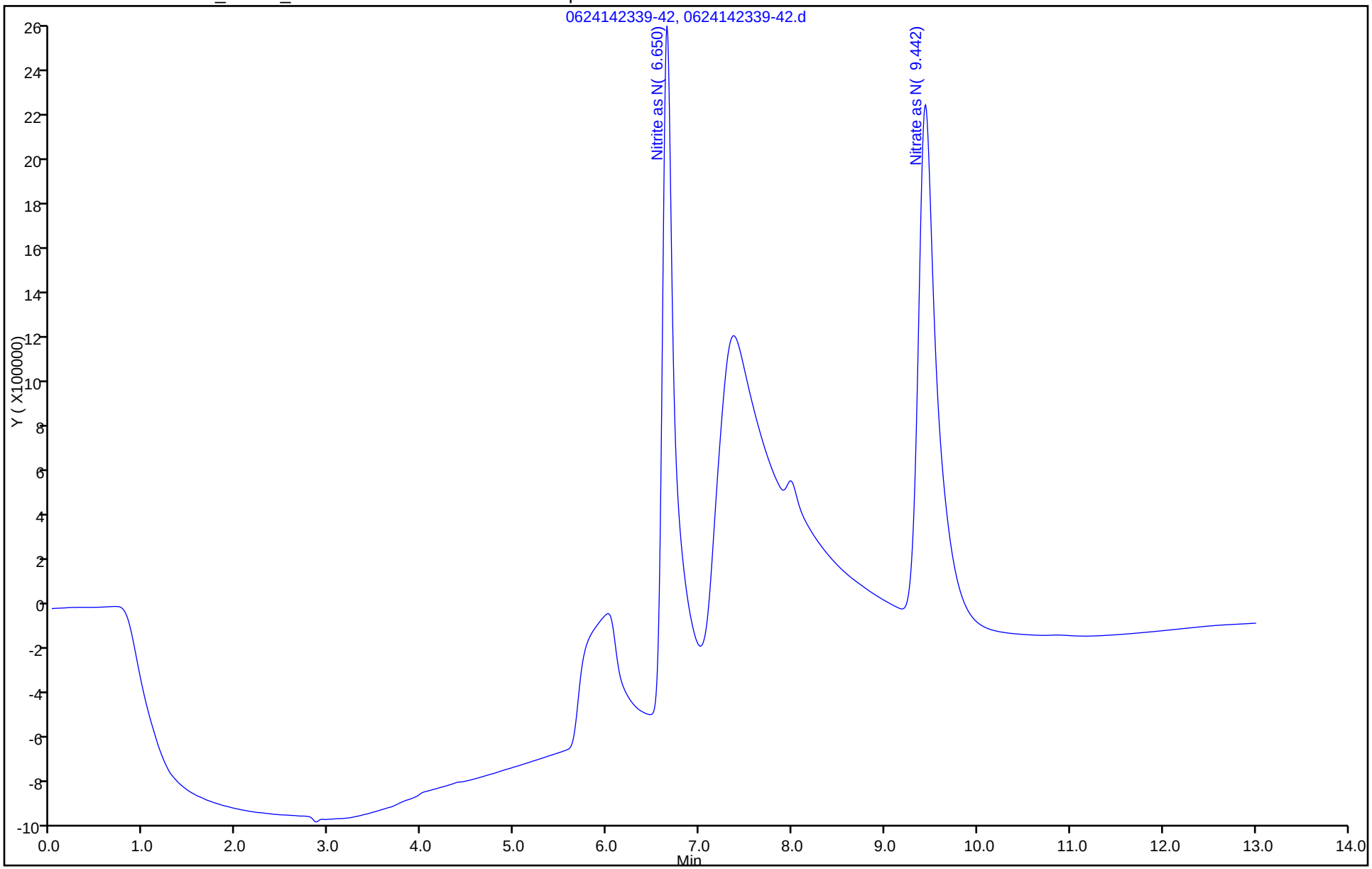
N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624142339-42.d

Injection Date:	24-Jun-2014 23:39:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	40
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.: 680-102616-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 680-336172/7

Matrix: Water Lab File ID: 0625141028-7.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 10:28

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.: 336172 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	4.63		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141028-7.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 25-Jun-2014 10:28:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G062514 Anion
Misc. Info.: 6 3590926
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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	6.658	6.658	0.000	26809065	1.00	1.02	
	6 Nitrate as N	9.442	9.442	0.000	32019566	1.00	1.05	
S	9 Nitrite as NO2					3.28	3.36	
S	10 Nitrate as NO3					4.42	4.63	

Reagents:

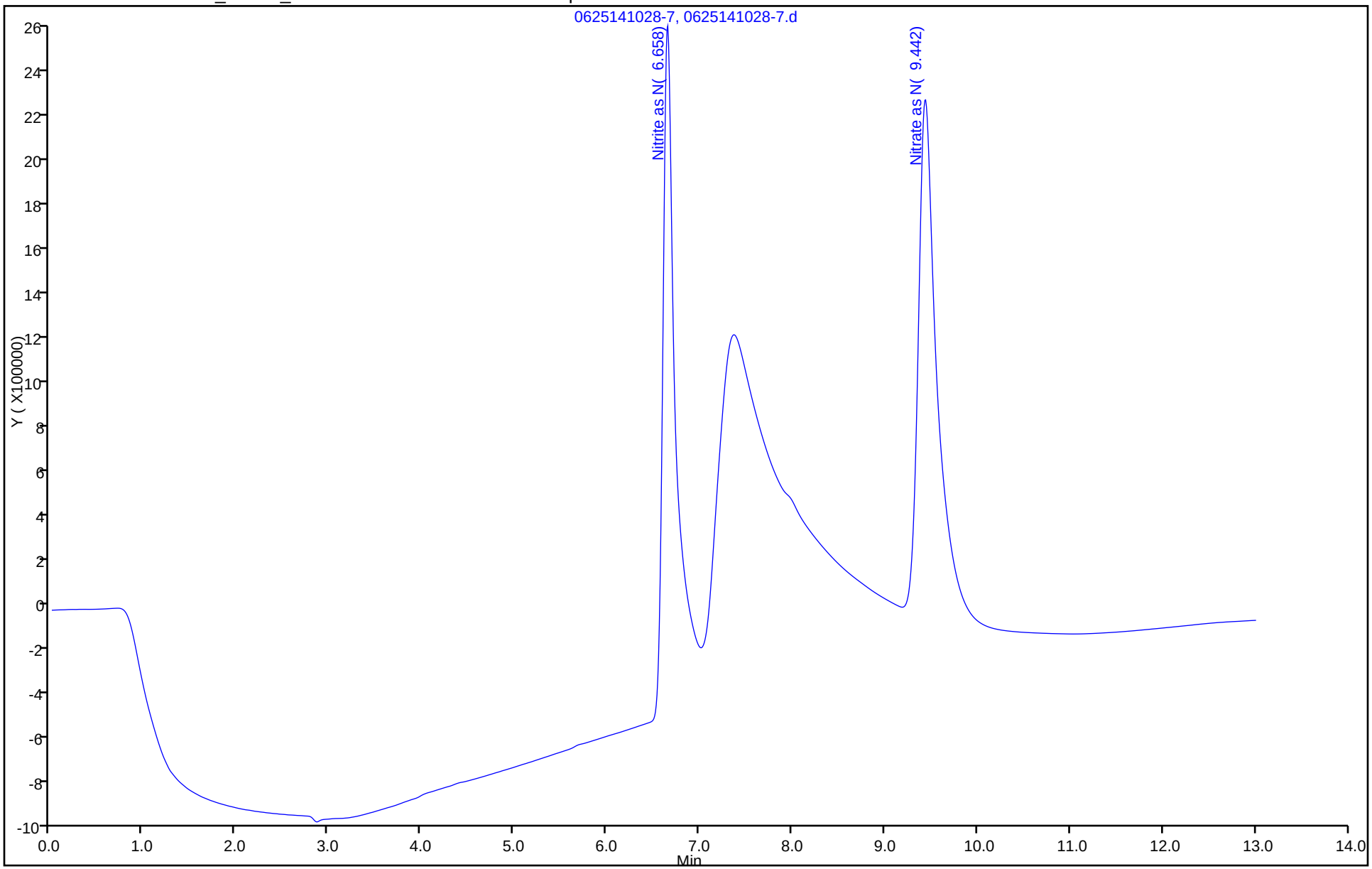
N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 13:46:15 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141028-7.d

Injection Date:	25-Jun-2014 10:28:00	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		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Spring MS Lab Sample ID: 680-102616-7 MS

Matrix: Water Lab File ID: 0624141815-21.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 18:15

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.: 336028 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.06		0.34	0.16
STL00672	Nitrate as NO3	20.7		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141815-21.d
Lims ID: 680-102616-G-7 MS
Client ID:
Sample Type: MS
Inject. Date: 24-Jun-2014 18:15:00 ALS Bottle#: 0 Worklist Smp#: 51
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-G-7 MS 1G062414 Anion
Misc. Info.: 29124 3634755
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 13:04:03

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	24080942	1.00	0.9204	
6 Nitrate as N	9.383	9.425	-0.042	72722593	1.00	2.34	E
S 9 Nitrite as NO2					3.28	3.03	
S 10 Nitrate as NO3					4.42	10.4	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

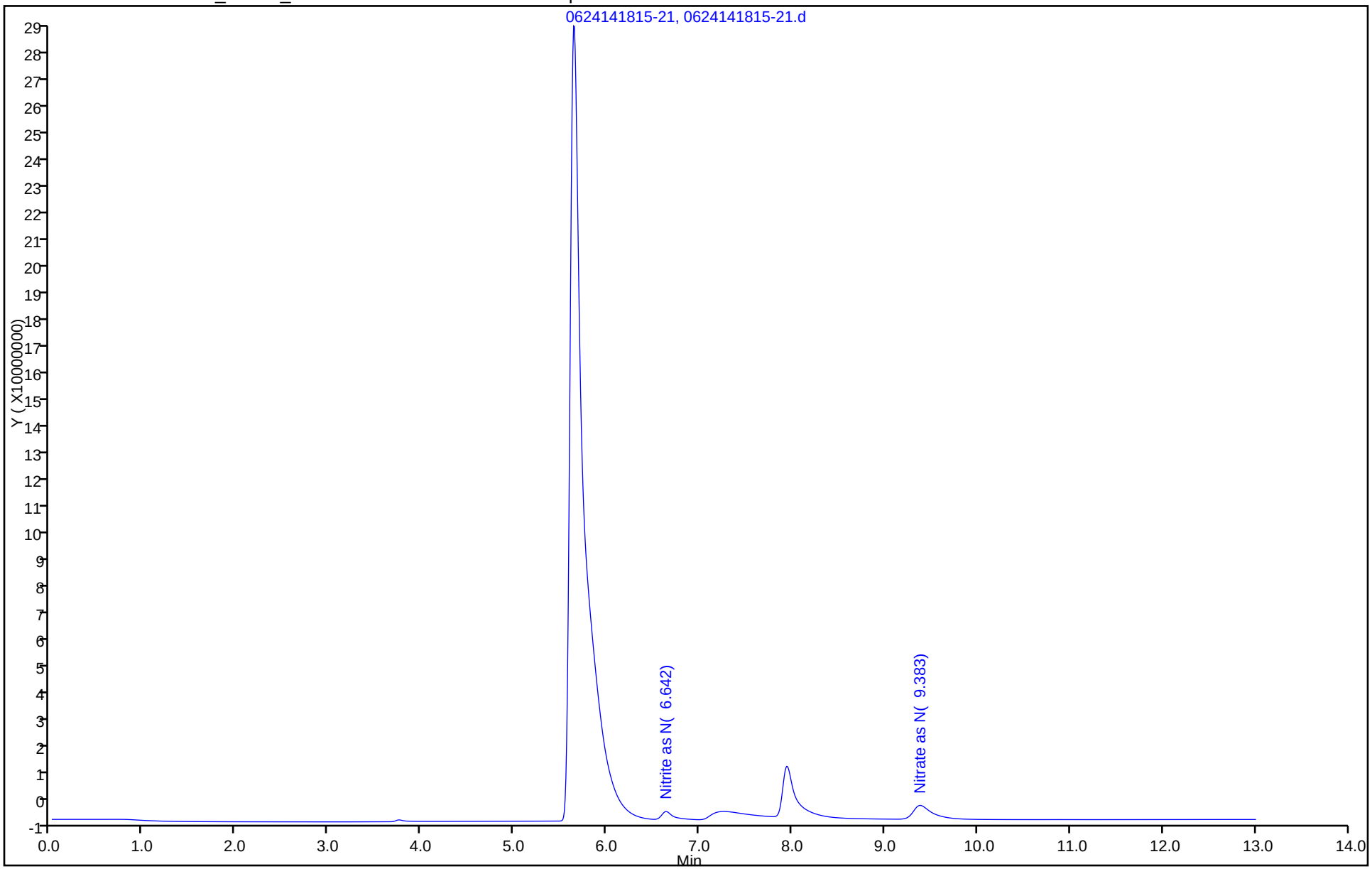
N-NSPK_00112 Amount Added: 0.05 Units: mL

Report Date: 26-Jun-2014 12:01:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141815-21.d

Injection Date:	24-Jun-2014 18:15:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-7 MS			Worklist Smp#:	51
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B MS Lab Sample ID: 680-102616-15 MS

Matrix: Water Lab File ID: 0625141231-15.d

Analysis Method: 300.0 Date Collected: 06/23/2014 15:05

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 12:31

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

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

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

Analysis Batch No.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	28.6		1.7	0.82
STL00672	Nitrate as NO3	46.2		2.2	1.1

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141231-15.d
Lims ID: 680-102616-G-15 MS
Client ID:
Sample Type: MS
Inject. Date: 25-Jun-2014 12:31:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-G-15 MS 1G062514 Anion
Misc. Info.: 6562
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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: 26-Jun-2014 13:31:20

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	6.658	-0.008	22682875	1.00	0.8683	
6 Nitrate as N	9.417	9.442	-0.025	31999350	1.00	1.04	
S 9 Nitrite as NO2					3.28	2.86	
S 10 Nitrate as NO3					4.42	4.62	

Reagents:

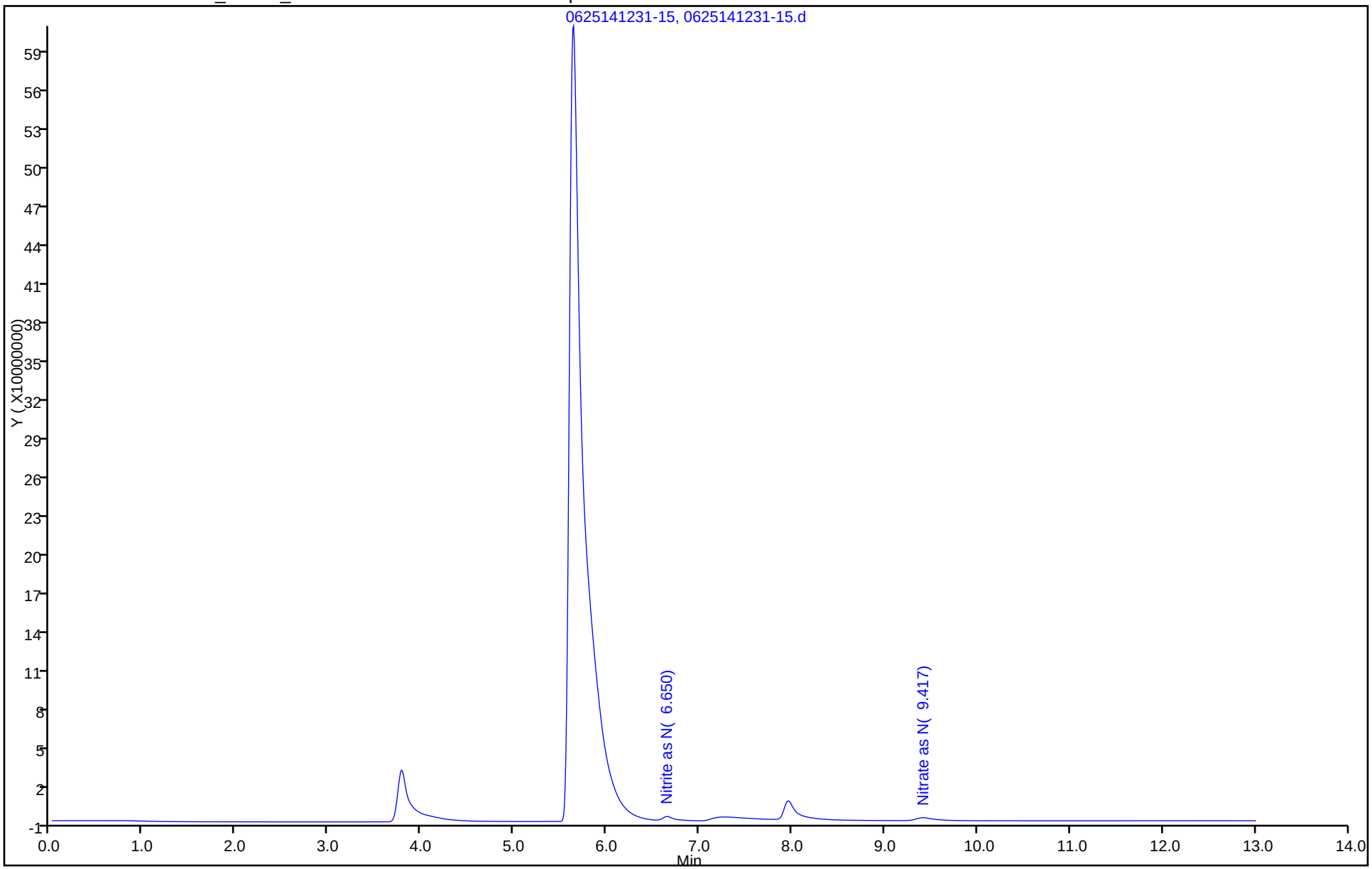
N-NSPK_00112 Amount Added: 0.05 Units: mL

Report Date: 26-Jun-2014 13:46:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141231-15.d

Injection Date:	25-Jun-2014 12:31:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-15 MS			Worklist Smp#:	15
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	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.: 680-102616-1

SDG No.:

Client Sample ID: SMSSW08 Spring MSD Lab Sample ID: 680-102616-7 MSD

Matrix: Water Lab File ID: 0624141831-22.d

Analysis Method: 300.0 Date Collected: 06/23/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/24/2014 18:31

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.: 336028 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.05		0.34	0.16
STL00672	Nitrate as NO3	20.6		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141831-22.d
Lims ID: 680-102616-G-7 MSD
Client ID:
Sample Type: MSD
Inject. Date: 24-Jun-2014 18:31:00 ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-102616-G-7 MSD 1G062414 Anion
Misc. Info.: 125 3634755
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 13:04:05

	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	24037085	1.00	0.9188	
	6 Nitrate as N	9.383	9.425	-0.042	72110971	1.00	2.32	E
S	9 Nitrite as NO2					3.28	3.02	
S	10 Nitrate as NO3					4.42	10.3	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

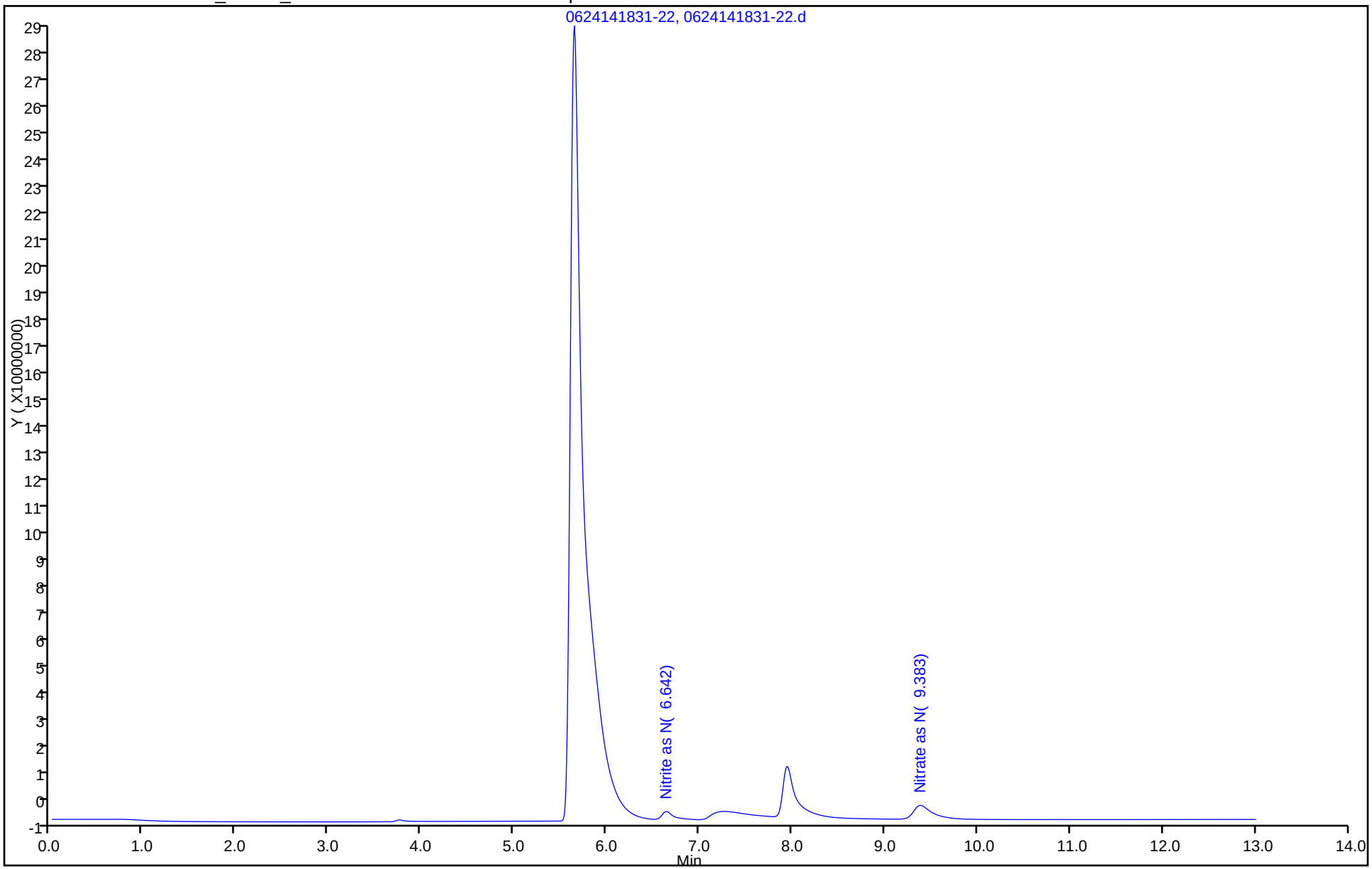
N-NSPK_00112 Amount Added: 0.05 Units: mL

Report Date: 26-Jun-2014 12:01:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141831-22.d

Injection Date:	24-Jun-2014 18:31:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-7 MSD			Worklist Smp#:	52
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.: 680-102616-1

SDG No.:

Client Sample ID: SMSMW11B MSD Lab Sample ID: 680-102616-15 MSD

Matrix: Water Lab File ID: 0625141247-16.d

Analysis Method: 300.0 Date Collected: 06/23/2014 15:05

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2014 12:47

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

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

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

Analysis Batch No.: 336172 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	28.5		1.7	0.82
STL00672	Nitrate as NO3	46.0		2.2	1.1

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141247-16.d
Lims ID: 680-102616-G-15 MSD
Client ID:
Sample Type: MSD
Inject. Date: 25-Jun-2014 12:47:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-102616-G-15 MSD 1G062514 Anion
Misc. Info.: 17359
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140625-10447.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 13:46:14 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: 26-Jun-2014 13:31:22

	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	6.658	-0.008	22636365	1.00	0.8666	
	6 Nitrate as N	9.417	9.442	-0.025	31853297	1.00	1.04	
S	9 Nitrite as NO2					3.28	2.85	
S	10 Nitrate as NO3					4.42	4.60	

Reagents:

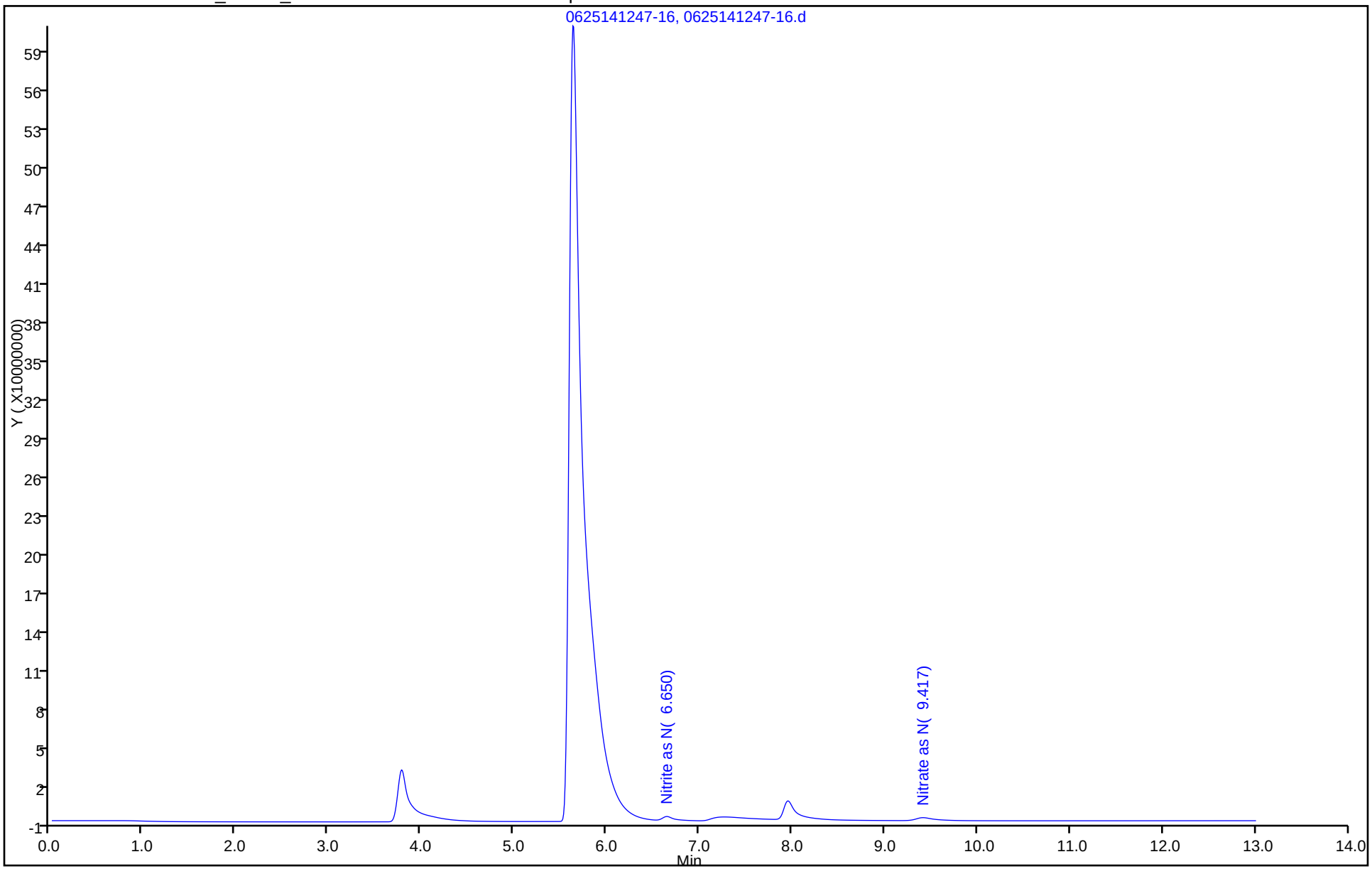
N-NSPK_00112 Amount Added: 0.05 Units: mL

Report Date: 26-Jun-2014 13:46:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140625-10447.b\0625141247-16.d

Injection Date:	25-Jun-2014 12:47:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102616-G-15 MSD			Worklist Smp#:	16
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

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)
MB 680-336028/11		06/24/2014 13:31	1	0624141331-11.d	AS18 4(mm)
ICB 680-336028/1011		06/24/2014 13:31	1	0624141331-11-ICB.d	AS18 4(mm)
LCS 680-336028/12		06/24/2014 13:47	1	0624141347-12.d	AS18 4(mm)
ICV 680-336028/1012		06/24/2014 13:47	1	0624141347-12-ICV.d	AS18 4(mm)
LCSD 680-336028/13		06/24/2014 14:02	1	0624141402-13.d	AS18 4(mm)
680-102616-6	SMSSW11	06/24/2014 16:43	1	0624141643-15.d	AS18 4(mm)
680-102616-3	SMSSW14	06/24/2014 16:58	1	0624141658-16.d	AS18 4(mm)
680-102616-4	SMSSW09 Spring	06/24/2014 17:14	1	0624141714-17.d	AS18 4(mm)
ZZZZZ		06/24/2014 17:29	1		AS18 4(mm)
680-102616-7	SMSSW08 Spring	06/24/2014 18:00	2	0624141800-20.d	AS18 4(mm)
680-102616-7 MS	SMSSW08 Spring MS	06/24/2014 18:15	2	0624141815-21.d	AS18 4(mm)
680-102616-7 MSD	SMSSW08 Spring MSD	06/24/2014 18:31	2	0624141831-22.d	AS18 4(mm)
680-102616-8	SMSSW08	06/24/2014 18:46	1	0624141846-23.d	AS18 4(mm)
680-102616-9	SMSSW04	06/24/2014 19:02	2	0624141902-24.d	AS18 4(mm)
680-102616-10	SMSSW94	06/24/2014 19:17	2	0624141917-25.d	AS18 4(mm)
CCV 680-336028/25		06/24/2014 19:48	1	0624141948-27.d	AS18 4(mm)
CCB 680-336028/26		06/24/2014 20:03	1	0624142003-28.d	AS18 4(mm)
680-102616-12	SMSMW12A	06/24/2014 20:19	10	0624142019-29.d	AS18 4(mm)
680-102616-13	SMSMW12B	06/24/2014 20:34	10	0624142034-30.d	AS18 4(mm)
680-102616-15	SMSMW11B	06/24/2014 21:36	1	0624142136-34.d	AS18 4(mm)
CCV 680-336028/37		06/24/2014 22:53	1	0624142253-39.d	AS18 4(mm)
CCB 680-336028/38		06/24/2014 23:08	1	0624142308-40.d	AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICG Start Date: 06/24/2014 22:53

Analysis Batch Number: 336048 End Date: 06/25/2014 02:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-336048/37		06/24/2014 22:53	1	0624142253-39.d	AS18 4(mm)
MB 680-336048/38		06/24/2014 23:08	1	0624142308-40.d	AS18 4(mm)
LCS 680-336048/39		06/24/2014 23:23	1	0624142323-41.d	AS18 4(mm)
LCSD 680-336048/40		06/24/2014 23:39	1	0624142339-42.d	AS18 4(mm)
ZZZZZ		06/24/2014 23:54	5		AS18 4(mm)
ZZZZZ		06/25/2014 00:10	5		AS18 4(mm)
ZZZZZ		06/25/2014 00:25	5		AS18 4(mm)
680-102616-4 DL	SMSSW09 Spring DL	06/25/2014 00:40	2	0625140040-46.d	AS18 4(mm)
680-102616-8	SMSSW08	06/25/2014 00:56	2	0625140056-47.d	AS18 4(mm)
680-102616-1	SMSSW13	06/25/2014 01:11	1	0625140111-48.d	AS18 4(mm)
680-102616-2	SMSSW09	06/25/2014 01:27	1	0625140127-49.d	AS18 4(mm)
680-102616-5	SMSSW01	06/25/2014 01:42	1	0625140142-50.d	AS18 4(mm)
CCV 680-336048/47		06/25/2014 01:58	1	0625140158-51.d	AS18 4(mm)
CCB 680-336048/48		06/25/2014 02:13	1	0625140213-52.d	AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: CICG Start Date: 06/25/2014 09:30

Analysis Batch Number: 336172 End Date: 06/25/2014 16:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/25/2014 09:30	1		AS18 4(mm)
CCV 680-336172/4		06/25/2014 09:42	1	0625140942-4.d	AS18 4(mm)
MB 680-336172/5		06/25/2014 09:57	1	0625140957-5.d	AS18 4(mm)
LCS 680-336172/6		06/25/2014 10:13	1	0625141013-6.d	AS18 4(mm)
LCSD 680-336172/7		06/25/2014 10:28	1	0625141028-7.d	AS18 4(mm)
680-102616-9	SMSSW04	06/25/2014 10:44	4	0625141044-8.d	AS18 4(mm)
680-102616-10	SMSSW94	06/25/2014 10:59	4	0625141059-9.d	AS18 4(mm)
680-102616-11	SMSMW07A	06/25/2014 11:14	5	0625141114-10.d	AS18 4(mm)
ZZZZZ		06/25/2014 11:30	10		AS18 4(mm)
680-102616-14	SMSMW07B	06/25/2014 11:45	10	0625141145-12.d	AS18 4(mm)
ZZZZZ		06/25/2014 12:01	20		AS18 4(mm)
680-102616-15	SMSMW11B	06/25/2014 12:16	10	0625141216-14.d	AS18 4(mm)
680-102616-15 MS	SMSMW11B MS	06/25/2014 12:31	10	0625141231-15.d	AS18 4(mm)
680-102616-15 MSD	SMSMW11B MSD	06/25/2014 12:47	10	0625141247-16.d	AS18 4(mm)
680-102616-2	SMSSW09	06/25/2014 13:02	2	0625141302-17.d	AS18 4(mm)
CCV 680-336172/19		06/25/2014 13:33	1	0625141333-19.d	AS18 4(mm)
CCB 680-336172/20		06/25/2014 13:48	1	0625141348-20.d	AS18 4(mm)
ZZZZZ		06/25/2014 14:50	1		AS18 4(mm)
ZZZZZ		06/25/2014 15:36	5		AS18 4(mm)
ZZZZZ		06/25/2014 15:52	5		AS18 4(mm)
ZZZZZ		06/25/2014 16:07	5		AS18 4(mm)
ZZZZZ		06/25/2014 16:23	5		AS18 4(mm)
CCV 680-336172/31		06/25/2014 16:38	1		AS18 4(mm)
CCB 680-336172/32		06/25/2014 16:53	1		AS18 4(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-102616-1

SDG No.:

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSSW13	680-102616-1
SMSSW09	680-102616-2
SMSSW14	680-102616-3
SMSSW09 Spring	680-102616-4
SMSSW01	680-102616-5
SMSSW11	680-102616-6
SMSSW08 Spring	680-102616-7
SMSSW08	680-102616-8
SMSSW04	680-102616-9
SMSSW94	680-102616-10
SMSMW07A	680-102616-11
SMSMW12A	680-102616-12
SMSMW12B	680-102616-13
SMSMW07B	680-102616-14
SMSMW11B	680-102616-15

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW13 Lab Sample ID: 680-102616-1

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 14:15

Reporting Basis: WET Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.075	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: SMSSW13 Lab Sample ID: 680-102616-1

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 14:15

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	220	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	580	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 14:55

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	<0.016	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	0.60	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 Lab Sample ID: 680-102616-2

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 14:55

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	260	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: SMSSW14 Lab Sample ID: 680-102616-3

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 16:00

Reporting Basis: WET Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.059	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: SMSSW14 Lab Sample ID: 680-102616-3

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 16:00

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	550	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 Spring
Lab Sample ID: 680-102616-4
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/22/2014 16:45
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.077	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: SMSSW09 Spring
Lab Sample ID: 680-102616-4
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/22/2014 16:45
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	220	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1200	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01 Lab Sample ID: 680-102616-5

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 15:13

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	<0.016	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	0.59	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01 Lab Sample ID: 680-102616-5

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 15:13

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	160	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	210	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW11 Lab Sample ID: 680-102616-6

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 15:45

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	<0.016	0.050	0.016	mg/L			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: SMSSW11 Lab Sample ID: 680-102616-6

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/22/2014 15:45

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	330	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08 Spring
Lab Sample ID: 680-102616-7
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 09:07
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.090	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.016	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	0.60	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08 Spring
Lab Sample ID: 680-102616-7
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 09:07
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	220	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: SMSSW08 Lab Sample ID: 680-102616-8

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 09:22

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	J		1	365.1
7440-44-0	Total Organic Carbon	0.75	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: 680-102616-8

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 09:22

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	1000	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 10:00

Reporting Basis: WET Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	3.4	0.10	0.052	mg/L			2	350.1
14265-44-2	ortho-Phosphate	0.022	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	3.4	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW04 Lab Sample ID: 680-102616-9

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 10:00

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	340	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	5500	20		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 10:10

Reporting Basis: WET Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	3.7	0.10	0.052	mg/L			2	350.1
14265-44-2	ortho-Phosphate	0.023	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	2.9	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW94 Lab Sample ID: 680-102616-10

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG ID.:

Matrix: Water Date Sampled: 06/23/2014 10:10

Reporting Basis: WET Date Received: 06/24/2014 09:37

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	350	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	5600	20		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07A
Lab Sample ID: 680-102616-11
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 10:30
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	290	10	5.2	mg/L			200	350.1
14265-44-2	ortho-Phosphate	0.019	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	26	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: 680-102616-11
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 10:30
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	1200	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	31000	100		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12A
Lab Sample ID: 680-102616-12
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 13:30
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.66	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	1.7	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12A
Lab Sample ID: 680-102616-12
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 13:30
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	390	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1300	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12B
Lab Sample ID: 680-102616-13
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 13:40
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	1.4	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12B
Lab Sample ID: 680-102616-13
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 13:40
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	420	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1400	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07B
Lab Sample ID: 680-102616-14
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 12:45
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	500	25	13	mg/L			500	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	30	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: 680-102616-14
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 12:45
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	54000	100		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW11B
Lab Sample ID: 680-102616-15
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 15:05
Reporting Basis: WET
Date Received: 06/24/2014 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	150	5.0	2.6	mg/L			100	350.1
14265-44-2	ortho-Phosphate	0.097	0.050	0.016	mg/L			1	365.1
18540-29-9	Chromium, hexavalent	0.019	0.010	0.0030	mg/L			1	7196A
7440-44-0	Total Organic Carbon	22	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: 680-102616-15
Lab Name: TestAmerica Savannah
Job No.: 680-102616-1
SDG ID.:
Matrix: Water
Date Sampled: 06/23/2014 15:05
Reporting Basis: WET
Date Received: 06/24/2014 09:37

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	5900	50		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Analyst: JME Batch Start Date: 06/26/2014

Reporting Units: mg/L Analytical Batch No.: 336406

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	10:50	Ammonia	1.05	1.00	105			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.: 680-102616-1

SDG No.:

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

Reporting Units: mg/L Analytical Batch No.: 336649

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	CCV	10:43	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
7	CCB	10:43	Ammonia	0.0313				J	
17	CCV	10:52	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
18	CCB	10:52	Ammonia	0.0300				J	
24	CCV	11:58	Ammonia	1.07	1.00	107	90-110		NH3 LCS_00047
25	CCB	11:58	Ammonia	0.0289				J	
33	CCV	12:07	Ammonia	1.04	1.00	104	90-110		NH3 LCS_00047
34	CCB	12:07	Ammonia	0.0280				J	
36	CCV	12:17	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
37	CCB	12:17	Ammonia	0.0281				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.: 680-102616-1

SDG No.:

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

Reporting Units: mg/L Analytical Batch No.: 336650

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	10:24	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
2	CCB	10:24	Ammonia	<0.026					
5	CCB	10:34	Ammonia	0.0306				J	
6	CCV	11:20	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
17	CCV	11:58	Ammonia	1.07	1.00	107	90-110		NH3 LCS_00047
18	CCB	11:58	Ammonia	0.0289				J	
20	CCV	12:07	Ammonia	1.04	1.00	104	90-110		NH3 LCS_00047
21	CCB	12:07	Ammonia	0.0280				J	
31	CCV	12:17	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
32	CCB	12:17	Ammonia	0.0281				J	
37	CCV	12:28	Ammonia	1.07	1.00	107	90-110		NH3 LCS_00047
38	CCB	12:28	Ammonia	0.0268				J	
39	CCV	13:27	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00047
40	CCB	13:27	Ammonia	0.0280				J	
43	CCV	13:29	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00047

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.: 680-102616-1

SDG No.:

Analyst: JME Batch Start Date: 06/30/2014

Reporting Units: mg/L Analytical Batch No.: 337082

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICB	16:09	Ammonia	<0.026					
9	ICV	16:09	Ammonia	1.05	1.00	105			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.: 680-102616-1

SDG No.:

Analyst: JME Batch Start Date: 06/30/2014

Reporting Units: mg/L Analytical Batch No.: 337084

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
16	CCV	18:44	Ammonia	1.02	1.00	102	90-110		NH3 LCS_00047
17	CCB	18:44	Ammonia	<0.026					
19	CCV	19:08	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00047
20	CCB	19:08	Ammonia	<0.026					
21	CCV	09:00	Ammonia	1.03	1.00	103	90-110		NH3 LCS_00047
30	CCV	09:08	Ammonia	1.04	1.00	104	90-110		NH3 LCS_00047
31	CCB	09:08	Ammonia	<0.026					
37	CCB	09:23	Ammonia	<0.026					
38	CCV	09:45	Ammonia	1.03	1.00	103	90-110		NH3 LCS_00047
39	CCB	09:45	Ammonia	<0.026					
42	CCB	09:46	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.: 680-102616-1

SDG No.:

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.: 680-102616-1

SDG No.:

Analyst: GRX Batch Start Date: 06/24/2014

Reporting Units: mg/L Analytical Batch No.: 336062

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	13:48	ortho-Phosphate	1.14	1.20	95	90-110		PO4 LCS_00118
14	CCB	13:48	ortho-Phosphate	<0.016					
22	CCV	13:49	ortho-Phosphate	1.15	1.20	95	90-110		PO4 LCS_00118
23	CCB	13:49	ortho-Phosphate	<0.016					
24	CCV	14:15	ortho-Phosphate	1.15	1.20	96	90-110		PO4 LCS_00118
25	CCB	14:15	ortho-Phosphate	<0.016					
28	CCV	14:16	ortho-Phosphate	1.15	1.20	96	90-110		PO4 LCS_00118
29	CCB	14:16	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.: 680-102616-1

SDG No.:

Analyst: GRX Batch Start Date: 06/19/2014

Reporting Units: mg/L Analytical Batch No.: 335253

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICB	08:46	Chromium, hexavalent	<0.0030					
9	ICV	08:46	Chromium, hexavalent	0.318	0.300	106			CR6 ICV_00031

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.: 680-102616-1

SDG No.:

Analyst: GRX Batch Start Date: 06/24/2014

Reporting Units: mg/L Analytical Batch No.: 336063

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	CCV	12:21	Chromium, hexavalent	0.199	0.200	99	90-110		CR6 LCS_00123
9	CCB	12:21	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.: 680-102616-1

SDG No.:

Analyst: CMP Batch Start Date: 06/30/2014

Reporting Units: mg/L Analytical Batch No.: 337275

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:47	Total Organic Carbon	19.1	20.0	96			TOC LCS/ICV_00033

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.: 680-102616-1

SDG No.:

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

Reporting Units: mg/L Analytical Batch No.: 337842

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
26	CCV	22:41	Total Organic Carbon	49.3	50.0	99	90-110		TOCCALSTD4_00073
27	CCB	23:00	Total Organic Carbon	<0.50					
38	CCV	01:49	Total Organic Carbon	49.4	50.0	99	90-110		TOCCALSTD4_00073
39	CCB	02:04	Total Organic Carbon	<0.50					
50	CCV	05:05	Total Organic Carbon	49.7	50.0	99	90-110		TOCCALSTD4_00073
51	CCB	05:23	Total Organic Carbon	<0.50					
62	CCV	08:22	Total Organic Carbon	49.4	50.0	99	90-110		TOCCALSTD4_00073
63	CCB	08:39	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.: 680-102616-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 337023 Date: 06/30/2014 14:07							
2320B-2011	MB 680-337023/5	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 337521 Date: 07/02/2014 13:17							
2320B-2011	MB 680-337521/5	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 337853 Date: 07/03/2014 20:33							
2320B-2011	MB 680-337853/5	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 336162 Date: 06/25/2014 11:52							
2540C-2011	MB 680-336162/1	Total Dissolved Solids	<5.0		mg/L	5.0	1
Batch ID: 336387 Date: 06/26/2014 11:19							
2540C-2011	MB 680-336387/1	Total Dissolved Solids	<5.0		mg/L	5.0	1
Batch ID: 336649 Date: 06/27/2014 11:02							
350.1	MB 680-336649/23	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 336650 Date: 06/27/2014 13:29							
350.1	MB 680-336650/44	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 337084 Date: 07/01/2014 09:00							
350.1	MB 680-337084/22	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 336062 Date: 06/24/2014 13:45							
365.1	MB 680-336062/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 336411 Date: 06/26/2014 12:16							
4500 S2 F-2011	MB 680-336411/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 336433 Date: 06/26/2014 14:27							
4500 S2 F-2011	MB 680-336433/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 337842 Date: 07/04/2014 01:09							
5310 B-2011	MB 680-337842/35	Total Organic Carbon	<0.50		mg/L	1.0	1
Batch ID: 336063 Date: 06/24/2014 12:20							
7196A	MB 680-336063/2	Chromium, hexavalent	<0.0030		mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 336650 Date: 06/27/2014 12:07											
350.1	680-102616-8	Ammonia	0.17		mg/L						
350.1	680-102616-8 MS	Ammonia	1.39		mg/L	1.00	122	90-110			F1
Batch ID: 336062 Date: 06/24/2014 13:45											
365.1	680-102616-1	ortho-Phosphate	<0.016		mg/L						
365.1	680-102616-1 MS	ortho-Phosphate	1.02		mg/L	1.00	102	90-110			
Batch ID: 336063 Date: 06/24/2014 12:20											
7196A	680-102616-12	Chromium, hexavalent	<0.0030		mg/L						
7196A	680-102616-12 MS	Chromium, hexavalent	0.194		mg/L	0.200	97	85-115			

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 336650 Date: 06/27/2014 12:08											
350.1	680-102616-8 MSD	Ammonia	1.38		mg/L	1.00	121	90-110	1	30	F1
Batch ID: 336062 Date: 06/24/2014 13:45											
365.1	680-102616-1 MSD	ortho-Phosphate	1.04		mg/L	1.00	104	90-110	2	30	
Batch ID: 336063 Date: 06/24/2014 12:20											
7196A	680-102616-12 MSD	Chromium, hexavalent	0.190		mg/L	0.200	95	85-115	2	20	

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 337023	Date: 06/30/2014 16:22							
2320B-2011	SMSSW09	680-102616-2	Alkalinity	260	mg/L			
2320B-2011	SMSSW09	680-102616-2 DU	Alkalinity	211	mg/L	20	30	
Batch ID: 337853	Date: 07/03/2014 22:10							
2320B-2011	SMSMW07B	680-102616-14	Alkalinity	1100	mg/L			
2320B-2011	SMSMW07B	680-102616-14 DU	Alkalinity	1060	mg/L	6	30	
Batch ID: 336162	Date: 06/25/2014 11:52							
2540C-2011	SMSSW01	680-102616-5	Total Dissolved Solids	210	mg/L			
2540C-2011	SMSSW01	680-102616-5 DU	Total Dissolved Solids	224	mg/L	6	25	
Batch ID: 336650	Date: 06/27/2014 12:17							
350.1	SMSSW04	680-102616-9	Ammonia	3.4	mg/L			
350.1	SMSSW04	680-102616-9 DU	Ammonia	3.38	mg/L	0.8	30	
Batch ID: 336062	Date: 06/24/2014 14:15							
365.1	SMSSW94	680-102616-10	ortho-Phosphate	0.023	mg/L			J
365.1	SMSSW94	680-102616-10 DU	ortho-Phosphate	0.0241	mg/L	4	30	J
Batch ID: 336433	Date: 06/26/2014 14:27							
4500 S2 F-2011	SMSSW94	680-102616-10	Sulfide	<1.0	mg/L			
4500 S2 F-2011	SMSSW94	680-102616-10 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.: 680-102616-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 337023	Date: 06/30/2014 14:14										
						LCS Source: AlkalinityLCS_00034					
2320B-2011	LCS 680-337023/6	Alkalinity	244		mg/L	250	98	80-120	11	30	
Batch ID: 337521	Date: 07/02/2014 13:25										
						LCS Source: AlkalinityLCS_00034					
2320B-2011	LCS 680-337521/6	Alkalinity	243		mg/L	250	97	80-120	2	30	
Batch ID: 337853	Date: 07/03/2014 20:40										
						LCS Source: AlkalinityLCS_00034					
2320B-2011	LCS 680-337853/6	Alkalinity	227		mg/L	250	91	80-120	9	30	
Batch ID: 336162	Date: 06/25/2014 11:52										
						LCS Source: TS/TDS LCS_00242					
2540C-2011	LCS 680-336162/2	Total Dissolved Solids	26.0		mg/L	25.0	104	80-120	0	25	
Batch ID: 336387	Date: 06/26/2014 11:19										
						LCS Source: TS/TDS LCS_00242					
2540C-2011	LCS 680-336387/2	Total Dissolved Solids	29.0		mg/L	25.0	116	80-120	11	25	
Batch ID: 336650	Date: 06/27/2014 10:34										
						LCS Source: NH3 LCS_00047					
350.1	LCS 680-336650/4	Ammonia	1.05		mg/L	1.00	104	90-110			
Batch ID: 336649	Date: 06/27/2014 11:02										
						LCS Source: NH3 LCS_00047					
350.1	LCS 680-336649/22	Ammonia	1.02		mg/L	1.00	102	90-110			
Batch ID: 337084	Date: 07/01/2014 09:23										
						LCS Source: NH3 LCS_00047					
350.1	LCS 680-337084/36	Ammonia	0.990		mg/L	1.00	99	90-110	2	30	
Batch ID: 336062	Date: 06/24/2014 13:45										
						LCS Source: PO4 LCS_00118					
365.1	LCS 680-336062/1	ortho-Phosphate	1.13		mg/L	1.20	94	90-110			
Batch ID: 336411	Date: 06/26/2014 12:16										
						LCS Source: SulfideLCS_00348					
4500 S2 F-2011	LCS 680-336411/2	Sulfide	9.86		mg/L	9.99	99	75-125	0	30	
Batch ID: 336433	Date: 06/26/2014 14:27										
						LCS Source: SulfideLCS_00348					
4500 S2 F-2011	LCS 680-336433/2	Sulfide	8.99		mg/L	9.99	90	75-125	6	30	
Batch ID: 337842	Date: 07/04/2014 00:51										
						LCS Source: TOC LCS/ICV_00033					
5310 B-2011	LCS 680-337842/34	Total Organic Carbon	19.4		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
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 336063	Date: 06/24/2014 12:20										
						LCS Source: CR6 LCS_00123					
7196A	LCS 680-336063/1	Chromium, hexavalent	0.198		mg/L	0.200	99	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.: 680-102616-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 337023	Date: 06/30/2014 16:34										
						LCSD Source: AlkalinityLCS_00034					
2320B-2011	LCSD 680-337023/26	Alkalinity	220		mg/L	250	88	80-120	11	30	
Batch ID: 337521	Date: 07/02/2014 16:47										
						LCSD Source: AlkalinityLCS_00034					
2320B-2011	LCSD 680-337521/32	Alkalinity	247		mg/L	250	99	80-120	2	30	
Batch ID: 337853	Date: 07/04/2014 00:45										
						LCSD Source: AlkalinityLCS_00034					
2320B-2011	LCSD 680-337853/32	Alkalinity	249		mg/L	250	99	80-120	9	30	
Batch ID: 336162	Date: 06/25/2014 11:52										
						LCSD Source: TS/TDS LCS_00242					
2540C-2011	LCSD 680-336162/3	Total Dissolved Solids	26.0		mg/L	25.0	104	80-120	0	25	
Batch ID: 336387	Date: 06/26/2014 11:19										
						LCSD Source: TS/TDS LCS_00242					
2540C-2011	LCSD 680-336387/3	Total Dissolved Solids	26.0		mg/L	25.0	104	80-120	11	25	
Batch ID: 337084	Date: 07/01/2014 09:46										
						LCSD Source: NH3 LCS_00047					
350.1	LCSD 680-337084/41	Ammonia	1.01		mg/L	1.00	101	90-110	2	30	
Batch ID: 336411	Date: 06/26/2014 12:16										
						LCSD Source: SulfideLCS_00348					
4500 S2 F-2011	LCSD 680-336411/3	Sulfide	9.89		mg/L	9.99	99	75-125	0	30	
Batch ID: 336433	Date: 06/26/2014 14:27										
						LCSD Source: SulfideLCS_00348					
4500 S2 F-2011	LCSD 680-336433/3	Sulfide	9.54		mg/L	9.99	96	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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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: 680-102616-1

SDG Number:

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.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/26/2014 10:50 End Date: 06/26/2014 10:50

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-336406/1			10:50																				
IC 680-336406/2			10:50																				
IC 680-336406/3			10:50																				
IC 680-336406/4			10:50																				
IC 680-336406/5			10:50																				
IC 680-336406/6			10:50																				
IC 680-336406/7			10:50																				
IC 680-336406/8			10:50																				
ICB 680-336406/9			10:50																				
ICV 680-336406/10	1		10:50																				
ZZZZZZ			10:50																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/27/2014 10:24 End Date: 06/27/2014 12:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-336649/1			10:24																				
CCB 680-336649/2			10:24																				
ZZZZZZ			10:24																				
CCV 680-336649/4			10:34																				
CCB 680-336649/5			10:34																				
CCV 680-336649/6	1		10:43	X																			
CCB 680-336649/7	1		10:43	X																			
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
ZZZZZZ			10:43																				
CCV 680-336649/17	1		10:52	X																			
CCB 680-336649/18	1		10:52	X																			
ZZZZZZ			10:52																				
680-102616-2	1	T	10:53	X																			
680-102616-3	1	T	10:53	X																			
LCS 680-336649/22	1	T	11:02	X																			
MB 680-336649/23	1	T	11:02	X																			
CCV 680-336649/24	1		11:58	X																			
CCB 680-336649/25	1		11:58	X																			
ZZZZZZ			11:58																				
ZZZZZZ			11:58																				
ZZZZZZ			11:58																				
680-102616-1	1	T	11:58	X																			
680-102616-4	1	T	11:58	X																			
680-102616-5	1	T	11:58	X																			
680-102616-6	1	T	11:58	X																			
CCV 680-336649/33	1		12:07	X																			
CCB 680-336649/34	1		12:07	X																			
680-102616-7	1	T	12:07	X																			
CCV 680-336649/36	1		12:17	X																			
CCB 680-336649/37	1		12:17	X																			
ZZZZZZ			12:17																				
ZZZZZZ			12:17																				
ZZZZZZ			12:27																				
CCV 680-336649/41			12:28																				
CCB 680-336649/42			12:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/27/2014 10:24 End Date: 06/27/2014 12:28

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/27/2014 10:24 End Date: 06/27/2014 13:29

Lab Sample ID	D/F	Type	Time	Analytes																				
				NH3																				
CCV 680-336650/1	1		10:24	X																				
CCB 680-336650/2	1		10:24	X																				
ZZZZZZ			10:24																					
LCS 680-336650/4	1	T	10:34	X																				
CCB 680-336650/5	1		10:34	X																				
CCV 680-336650/6	1		11:20	X																				
CCB 680-336650/7			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
ZZZZZZ			11:20																					
CCV 680-336650/15			11:29																					
CCB 680-336650/16			11:29																					
CCV 680-336650/17	1		11:58	X																				
CCB 680-336650/18	1		11:58	X																				
680-102616-8	1	T	11:58	X																				
CCV 680-336650/20	1		12:07	X																				
CCB 680-336650/21	1		12:07	X																				
680-102616-8 MS	1	T	12:07	X																				
680-102616-8 MSD	1	T	12:08	X																				
680-102616-12	1	T	12:08	X																				
680-102616-13	1	T	12:08	X																				
ZZZZZZ			12:08																					
ZZZZZZ			12:08																					
ZZZZZZ			12:08																					
ZZZZZZ			12:08																					
ZZZZZZ			12:08																					
CCV 680-336650/31	1		12:17	X																				
CCB 680-336650/32	1		12:17	X																				
680-102616-9	2	T	12:17	X																				
680-102616-9 DU	2	T	12:17	X																				
680-102616-10	2	T	12:27	X																				
ZZZZZZ			12:27																					
CCV 680-336650/37	1		12:28	X																				
CCB 680-336650/38	1		12:28	X																				
CCV 680-336650/39	1		13:27	X																				
CCB 680-336650/40	1		13:27	X																				
680-102616-11	200	T	13:27	X																				
680-102616-14	500	T	13:27	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/27/2014 10:24 End Date: 06/27/2014 13:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
CCV 680-336650/43	1		13:29	X																			
MB 680-336650/44	1	T	13:29	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/30/2014 16:09 End Date: 06/30/2014 16:09

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-337082/1			16:09																				
IC 680-337082/2			16:09																				
IC 680-337082/3			16:09																				
IC 680-337082/4			16:09																				
IC 680-337082/5			16:09																				
IC 680-337082/6			16:09																				
IC 680-337082/7			16:09																				
ICB 680-337082/8	1		16:09																				
ICV 680-337082/9	1		16:09																				
ZZZZZZ			16:09																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/30/2014 18:25 End Date: 07/01/2014 09:46

Lab Sample ID	D / F	Type	Time	Analytes																				
				NH3																				
CCV 680-337084/1			18:25																					
CCB 680-337084/2			18:25																					
ZZZZZZ			18:25																					
ZZZZZZ			18:25																					
ZZZZZZ			18:25																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
ZZZZZZ			18:34																					
CCV 680-337084/13			18:34																					
CCB 680-337084/14			18:34																					
ZZZZZZ			18:34																					
CCV 680-337084/16	1		18:44	X																				
CCB 680-337084/17	1		18:44	X																				
680-102616-15	100	T	18:58	X																				
CCV 680-337084/19	1		19:08	X																				
CCB 680-337084/20	1		19:08	X																				
CCV 680-337084/21	1		09:00	X																				
MB 680-337084/22	1	T	09:00	X																				
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
ZZZZZZ			09:00																					
CCV 680-337084/30	1		09:08	X																				
CCB 680-337084/31	1		09:08	X																				
ZZZZZZ			09:08																					
ZZZZZZ			09:08																					
ZZZZZZ			09:08																					
ZZZZZZ			09:08																					
LCS 680-337084/36	1	T	09:23	X																				
CCB 680-337084/37	1		09:23	X																				
CCV 680-337084/38	1		09:45	X																				
CCB 680-337084/39	1		09:45	X																				
ZZZZZZ			09:45																					
LCSD 680-337084/41	1	T	09:46	X																				
CCB 680-337084/42	1		09:46	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB1 Method: 350.1

Start Date: 06/30/2014 18:25 End Date: 07/01/2014 09:46

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

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.: 680-102616-1

SDG No.:

Instrument ID: KONELAB2 Method: 365.1

Start Date: 06/24/2014 13:45 End Date: 06/24/2014 14:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-336062/1	1	T	13:45	X																			
MB 680-336062/2	1	T	13:45	X																			
ZZZZZZ			13:45																				
680-102616-1	1	T	13:45	X																			
680-102616-1 MS	1	T	13:45	X																			
680-102616-1 MSD	1	T	13:45	X																			
680-102616-2	1	T	13:45	X																			
680-102616-3	1	T	13:45	X																			
680-102616-4	1	T	13:45	X																			
680-102616-5	1	T	13:45	X																			
680-102616-6	1	T	13:45	X																			
680-102616-7	1	T	13:45	X																			
CCV 680-336062/13	1		13:48	X																			
CCB 680-336062/14	1		13:48	X																			
680-102616-8	1	T	13:48	X																			
680-102616-9	1	T	13:48	X																			
680-102616-11	1	T	13:48	X																			
680-102616-13	1	T	13:48	X																			
680-102616-12	1	T	13:48	X																			
680-102616-14	1	T	13:48	X																			
680-102616-15	1	T	13:48	X																			
CCV 680-336062/22	1		13:49	X																			
CCB 680-336062/23	1		13:49	X																			
CCV 680-336062/24	1		14:15	X																			
CCB 680-336062/25	1		14:15	X																			
680-102616-10	1	T	14:15	X																			
680-102616-10 DU	1	T	14:15	X																			
CCV 680-336062/28	1		14:16	X																			
CCB 680-336062/29	1		14:16	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB2 Method: 7196A

Start Date: 06/19/2014 08:46 End Date: 06/19/2014 14:17

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-335253/1			08:46																				
IC 680-335253/2			08:46																				
IC 680-335253/3			08:46																				
IC 680-335253/4			08:46																				
IC 680-335253/5			08:46																				
IC 680-335253/6			08:46																				
IC 680-335253/7			08:46																				
ICB 680-335253/8	1		08:46																				
ICV 680-335253/9	1		08:46																				
CCV 680-335253/10			12:45																				
CCB 680-335253/11			12:45																				
ZZZZZZ			12:45																				
ZZZZZZ			12:45																				
ZZZZZZ			12:45																				
CCV 680-335253/15			12:45																				
CCB 680-335253/16			12:45																				
CCV 680-335253/17			13:21																				
CCB 680-335253/18			13:21																				
ZZZZZZ			13:22																				
CCV 680-335253/20			13:23																				
CCB 680-335253/21			13:23																				
CCV 680-335253/22			14:16																				
CCB 680-335253/23			14:16																				
ZZZZZZ			14:16																				
ZZZZZZ			14:16																				
ZZZZZZ			14:16																				
CCV 680-335253/27			14:17																				
CCB 680-335253/28			14:17																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: KONELAB2 Method: 7196A

Start Date: 06/24/2014 12:20 End Date: 06/24/2014 17:19

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cr6																				
LCS 680-336063/1	1	T	12:20	X																				
MB 680-336063/2	1	T	12:20	X																				
680-102616-12	1	T	12:20	X																				
680-102616-12 MS	1	T	12:20	X																				
680-102616-12 MSD	1	T	12:20	X																				
680-102616-13	1	T	12:20	X																				
680-102616-15	1	T	12:20	X																				
CCV 680-336063/8	1		12:21	X																				
CCB 680-336063/9	1		12:21	X																				
CCV 680-336063/10			17:18																					
CCB 680-336063/11			17:18																					
ZZZZZZ			17:18																					
ZZZZZZ			17:18																					
ZZZZZZ			17:18																					
ZZZZZZ			17:18																					
CCV 680-336063/16			17:19																					
CCB 680-336063/17			17:19																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 06/26/2014 12:16 End Date: 06/26/2014 12:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				S2																			
MB 680-336411/1	1	T	12:16	X																			
LCS 680-336411/2	1	T	12:16	X																			
LCSD 680-336411/3	1	T	12:16	X																			
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
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ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
680-102616-1	1	T	12:16	X																			
680-102616-2	1	T	12:16	X																			
680-102616-3	1	T	12:16	X																			
680-102616-4	1	T	12:16	X																			
680-102616-5	1	T	12:16	X																			
680-102616-6	1	T	12:16	X																			
680-102616-7	1	T	12:16	X																			
680-102616-8	1	T	12:16	X																			
680-102616-9	1	T	12:16	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 06/26/2014 14:27 End Date: 06/26/2014 14:27

Lab Sample ID	D / F	Type	Time	Analytes																			
				S2																			
MB 680-336433/1	1	T	14:27	X																			
LCS 680-336433/2	1	T	14:27	X																			
LCSD 680-336433/3	1	T	14:27	X																			
680-102616-10	1	T	14:27	X																			
680-102616-10 DU	1	T	14:27	X																			
680-102616-11	1	T	14:27	X																			
680-102616-12	1	T	14:27	X																			
680-102616-13	1	T	14:27	X																			
680-102616-14	1	T	14:27	X																			
680-102616-15	1	T	14:27	X																			
ZZZZZZ			14:27																				
ZZZZZZ			14:27																				
ZZZZZZ			14:27																				
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ZZZZZZ			14:27																				
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ZZZZZZ			14:27																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 06/30/2014 13:45 End Date: 06/30/2014 16:34

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
ZZZZZZ			13:45																					
ZZZZZZ			13:51																					
ZZZZZZ			13:55																					
ZZZZZZ			14:01																					
MB 680-337023/5	1	T	14:07	X																				
LCS 680-337023/6	1	T	14:14	X																				
ZZZZZZ			14:21																					
ZZZZZZ			14:27																					
ZZZZZZ			14:34																					
ZZZZZZ			14:40																					
ZZZZZZ			14:47																					
ZZZZZZ			14:53																					
ZZZZZZ			15:01																					
ZZZZZZ			15:09																					
ZZZZZZ			15:13																					
680-102616-6	1	T	15:20	X																				
680-102616-3	1	T	15:27	X																				
680-102616-4	1	T	15:34	X																				
680-102616-1	1	T	15:42	X																				
680-102616-5	1	T	15:49	X																				
ZZZZZZ			16:02																					
ZZZZZZ			16:08																					
680-102616-2	1	T	16:15	X																				
680-102616-2 DU	1	T	16:22	X																				
ZZZZZZ			16:25																					
LCSD 680-337023/26	1	T	16:34	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 07/02/2014 12:47 End Date: 07/02/2014 16:47

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
ZZZZZZ			12:47																					
ZZZZZZ			12:53																					
ZZZZZZ			13:05																					
ZZZZZZ			13:12																					
MB 680-337521/5	1	T	13:17	X																				
LCS 680-337521/6	1	T	13:25	X																				
ZZZZZZ			13:31																					
ZZZZZZ			13:37																					
ZZZZZZ			13:44																					
ZZZZZZ			13:51																					
ZZZZZZ			13:58																					
ZZZZZZ			14:05																					
ZZZZZZ			14:14																					
ZZZZZZ			14:22																					
ZZZZZZ			14:25																					
ZZZZZZ			14:37																					
ZZZZZZ			14:48																					
ZZZZZZ			15:00																					
ZZZZZZ			15:10																					
ZZZZZZ			15:18																					
ZZZZZZ			15:28																					
ZZZZZZ			15:39																					
ZZZZZZ			15:50																					
ZZZZZZ			15:56																					
ZZZZZZ			16:03																					
ZZZZZZ			16:07																					
ZZZZZZ			16:14																					
680-102616-8	1	T	16:21	X																				
680-102616-7	1	T	16:27	X																				
ZZZZZZ			16:34																					
ZZZZZZ			16:38																					
LCSD 680-337521/32	1	T	16:47	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 07/03/2014 20:12 End Date: 07/04/2014 00:45

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
ZZZZZZ			20:12																					
ZZZZZZ			20:17																					
ZZZZZZ			20:21																					
ZZZZZZ			20:27																					
MB 680-337853/5	1	T	20:33	X																				
LCS 680-337853/6	1	T	20:40	X																				
680-102616-15	1	T	20:55	X																				
680-102616-13	1	T	21:04	X																				
680-102616-9	1	T	21:12	X																				
680-102616-11	1	T	21:26	X																				
680-102616-10	1	T	21:35	X																				
680-102616-12	1	T	21:43	X																				
680-102616-14	1	T	21:57	X																				
680-102616-14 DU	1	T	22:10	X																				
ZZZZZZ			22:14																					
ZZZZZZ			22:21																					
ZZZZZZ			22:29																					
ZZZZZZ			22:37																					
ZZZZZZ			22:51																					
ZZZZZZ			23:03																					
ZZZZZZ			23:14																					
ZZZZZZ			23:27																					
ZZZZZZ			23:34																					
ZZZZZZ			23:41																					
ZZZZZZ			23:48																					
ZZZZZZ			23:51																					
ZZZZZZ			00:07																					
ZZZZZZ			00:16																					
ZZZZZZ			00:26																					
ZZZZZZ			00:34																					
ZZZZZZ			00:38																					
LCSD 680-337853/32	1	T	00:45	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 06/25/2014 11:52 End Date: 06/25/2014 11:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 680-336162/1	1	T	11:52	X																				
LCS 680-336162/2	1	T	11:52	X																				
LCSD 680-336162/3	1	T	11:52	X																				
680-102616-5	1	T	11:52	X																				
680-102616-5 DU	1	T	11:52	X																				
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
680-102616-6	1	T	11:52	X																				
ZZZZZZ			11:52																					
680-102616-1	1	T	11:52	X																				
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
680-102616-4	1	T	11:52	X																				
680-102616-3	1	T	11:52	X																				
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
680-102616-2	1	T	11:52	X																				
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					
ZZZZZZ			11:52																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 06/26/2014 11:19 End Date: 06/26/2014 11:19

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 680-336387/1	1	T	11:19	X																				
LCS 680-336387/2	1	T	11:19	X																				
LCSD 680-336387/3	1	T	11:19	X																				
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
680-102616-7	1	T	11:19	X																				
680-102616-8	1	T	11:19	X																				
680-102616-15	1	T	11:19	X																				
680-102616-12	1	T	11:19	X																				
680-102616-10	1	T	11:19	X																				
680-102616-14	1	T	11:19	X																				
680-102616-11	1	T	11:19	X																				
680-102616-13	1	T	11:19	X																				
680-102616-9	1	T	11:19	X																				
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					
ZZZZZZ			11:19																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 06/30/2014 17:47 End Date: 07/02/2014 08:50

Lab Sample ID	D / F	Type	Time	Analytes																			
ICV 680-337275/1	1		17:47																				
ICB 680-337275/2			18:03																				
ZZZZZZ			18:18																				
ZZZZZZ			18:32																				
ZZZZZZ			06:09																				
ZZZZZZ			06:25																				
ZZZZZZ			06:44																				
ZZZZZZ			07:00																				
ZZZZZZ			07:17																				
ZZZZZZ			07:33																				
ZZZZZZ			07:50																				
ZZZZZZ			08:08																				
ZZZZZZ			08:25																				
ZZZZZZ			08:41																				
ZZZZZZ			08:58																				
ZZZZZZ			09:14																				
ZZZZZZ			09:31																				
ZZZZZZ			09:46																				
ZZZZZZ			10:04																				
ZZZZZZ			10:24																				
ZZZZZZ			10:37																				
ZZZZZZ			10:54																				
ZZZZZZ			11:12																				
ZZZZZZ			11:31																				
ZZZZZZ			11:47																				
ZZZZZZ			12:04																				
ZZZZZZ			12:23																				
ZZZZZZ			12:37																				
ZZZZZZ			12:52																				
ZZZZZZ			13:13																				
ZZZZZZ			13:27																				
ZZZZZZ			13:42																				
ZZZZZZ			14:00																				
ZZZZZZ			14:15																				
ZZZZZZ			14:26																				
ZZZZZZ			14:45																				
ZZZZZZ			14:59																				
ZZZZZZ			15:16																				
ZZZZZZ			15:34																				
ZZZZZZ			15:49																				
ZZZZZZ			15:59																				
ZZZZZZ			16:16																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 06/30/2014 17:47 End Date: 07/02/2014 08:50

Lab Sample ID	D / F	Type	Time	Analytes																			
ZZZZZZ			16:42																				
ZZZZZZ			16:59																				
ZZZZZZ			19:46																				
ZZZZZZ			20:05																				
ZZZZZZ			20:19																				
ZZZZZZ			20:38																				
ZZZZZZ			20:55																				
ZZZZZZ			21:10																				
ZZZZZZ			21:26																				
ZZZZZZ			21:43																				
ZZZZZZ			21:59																				
ZZZZZZ			22:16																				
ZZZZZZ			22:30																				
ZZZZZZ			22:47																				
ZZZZZZ			23:01																				
ZZZZZZ			23:16																				
ZZZZZZ			23:37																				
ZZZZZZ			23:53																				
ZZZZZZ			00:12																				
ZZZZZZ			00:28																				
ZZZZZZ			00:43																				
ZZZZZZ			01:00																				
ZZZZZZ			01:16																				
ZZZZZZ			01:29																				
ZZZZZZ			01:43																				
ZZZZZZ			02:00																				
ZZZZZZ			02:15																				
ZZZZZZ			02:31																				
ZZZZZZ			02:46																				
ZZZZZZ			03:00																				
ZZZZZZ			03:15																				
ZZZZZZ			03:29																				
ZZZZZZ			03:50																				
ZZZZZZ			04:04																				
ZZZZZZ			04:15																				
ZZZZZZ			04:34																				
ZZZZZZ			04:48																				
ZZZZZZ			05:05																				
ZZZZZZ			05:22																				
ZZZZZZ			05:35																				
ZZZZZZ			05:51																				
ZZZZZZ			06:08																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 06/30/2014 17:47 End Date: 07/02/2014 08:50

Lab Sample ID	D / F	Type	Time	Analytes																			
ZZZZZZ			06:24																				
ZZZZZZ			06:41																				
ZZZZZZ			06:55																				
ZZZZZZ			07:12																				
ZZZZZZ			07:30																				
ZZZZZZ			07:45																				
ZZZZZZ			08:14																				
ZZZZZZ			08:50																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/03/2014 16:12 End Date: 07/04/2014 13:06

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			16:12																				
ZZZZZZ			16:28																				
ZZZZZZ			16:45																				
ZZZZZZ			17:01																				
ZZZZZZ			17:17																				
ZZZZZZ			17:36																				
ZZZZZZ			17:50																				
ZZZZZZ			18:05																				
ZZZZZZ			18:16																				
ZZZZZZ			18:30																				
ZZZZZZ			18:45																				
ZZZZZZ			18:59																				
ZZZZZZ			19:13																				
ZZZZZZ			19:28																				
ZZZZZZ			19:46																				
ZZZZZZ			20:01																				
ZZZZZZ			20:12																				
ZZZZZZ			20:26																				
ZZZZZZ			20:40																				
ZZZZZZ			20:55																				
ZZZZZZ			21:13																				
ZZZZZZ			21:28																				
ZZZZZZ			21:50																				
ZZZZZZ			22:09																				
ZZZZZZ			22:27																				
CCV 680-337842/26	1		22:41	X																			
CCB 680-337842/27	1		23:00	X																			
ZZZZZZ			23:14																				
ZZZZZZ			23:29																				
ZZZZZZ			23:49																				
ZZZZZZ			00:03																				
ZZZZZZ			00:18																				
ZZZZZZ			00:36																				
LCS 680-337842/34	1	T	00:51	X																			
MB 680-337842/35	1	T	01:09	X																			
ZZZZZZ			01:24																				
ZZZZZZ			01:35																				
CCV 680-337842/38	1		01:49	X																			
CCB 680-337842/39	1		02:04	X																			
ZZZZZZ			02:22																				
ZZZZZZ			02:37																				
ZZZZZZ			02:47																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/03/2014 16:12 End Date: 07/04/2014 13:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
680-102616-1	1	T	03:04	X																			
680-102616-2	1	T	03:24	X																			
680-102616-3	1	T	03:43	X																			
680-102616-4	1	T	04:01	X																			
680-102616-5	1	T	04:15	X																			
680-102616-6	1	T	04:34	X																			
680-102616-7	1	T	04:50	X																			
CCV 680-337842/50	1		05:05	X																			
CCB 680-337842/51	1		05:23	X																			
680-102616-8	1	T	05:38	X																			
680-102616-9	1	T	05:52	X																			
680-102616-10	1	T	06:15	X																			
680-102616-11	1	T	06:29	X																			
680-102616-12	1	T	06:45	X																			
680-102616-13	1	T	07:06	X																			
680-102616-14	1	T	07:20	X																			
680-102616-15	1	T	07:35	X																			
ZZZZZZ			07:51																				
ZZZZZZ			08:07																				
CCV 680-337842/62	1		08:22	X																			
CCB 680-337842/63	1		08:39	X																			
ZZZZZZ			08:53																				
ZZZZZZ			09:12																				
ZZZZZZ			09:28																				
ZZZZZZ			09:41																				
ZZZZZZ			09:55																				
ZZZZZZ			10:10																				
ZZZZZZ			10:21																				
ZZZZZZ			10:35																				
ZZZZZZ			10:49																				
ZZZZZZ			11:04																				
ZZZZZZ			11:18																				
ZZZZZZ			11:33																				
ZZZZZZ			11:51																				
ZZZZZZ			12:06																				
ZZZZZZ			12:20																				
ZZZZZZ			12:37																				
ZZZZZZ			12:52																				
ZZZZZZ			13:06																				

Prep Types

T = Total/NA

TestAmerica Savannah
Konelab 1

Date : 6/26/2014
Time : 12:03

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
ICB NH3	0.0360	0.033	6/26/2014 10:50		0.000
ICV NH3	1.0462	0.298	6/26/2014 10:50		0.000
LCS-NH3	1.0119	0.289	6/26/2014 10:50		0.001
CCV-NH3	1.0348	0.295	6/26/2014 11:12		0.001
CCB-NH3	0.0325	0.032	6/26/2014 11:12		0.002
LLCS NH3	0.0477	0.036	6/26/2014 11:12		0.002
640-48275B27	0.0253	0.030	6/26/2014 11:12		0.001
LCS 336159/2-A	1.0244	0.292	6/26/2014 11:12		0.002
LCS 336161/2-A	1.0168	0.290	6/26/2014 11:12		0.001
LLCS 336161/3-A	0.0464	0.035	6/26/2014 11:12		0.001
660-61292A1A	0.2623	0.092	6/26/2014 11:12		0.001
660-61292A1C MSD	1.1750	0.331	6/26/2014 11:12		0.001
CCV-NH3	1.0389	0.296	6/26/2014 11:19		0.002
CCB-NH3	0.0315	0.032	6/26/2014 11:19		0.002
660-61292A1B MS	1.2090	0.340	6/26/2014 11:19		0.001
102541B1A	0.0852	0.046	6/26/2014 11:19		0.001
CCV-NH3	0.9916	0.283	6/26/2014 11:24		0.001
CCB-NH3	0.0253	0.030	6/26/2014 11:24		0.002
660-61273A1A	14.8986	0.414	6/26/2014 11:28	1+9.0	0.002
660-61273A1B MS	15.8640	0.439	6/26/2014 11:28	1+9.0	0.002
660-61273A1C MSD	16.1732	0.447	6/26/2014 11:28	1+9.0	0.001
CCV-NH3	1.0405	0.296	6/26/2014 11:49		0.001
CCB-NH3	0.0285	0.031	6/26/2014 11:49		0.001
640-48276G11	0.0243	0.030	6/26/2014 11:49		0.001
MB 336159/1-A	0.0236	0.029	6/26/2014 11:49		0.001
MB 336161/1-A	0.0233	0.029	6/26/2014 11:49		0.001
660-61273A1C MSD	15.9907	0.442	6/26/2014 11:52	1+9.0	0.001
CCV-NH3	1.0278	0.293	6/26/2014 11:56		0.001
CCB-NH3	0.0270	0.030	6/26/2014 11:56		0.001

TestAmerica Savannah
Konelab 1

6/26/2014 12:04

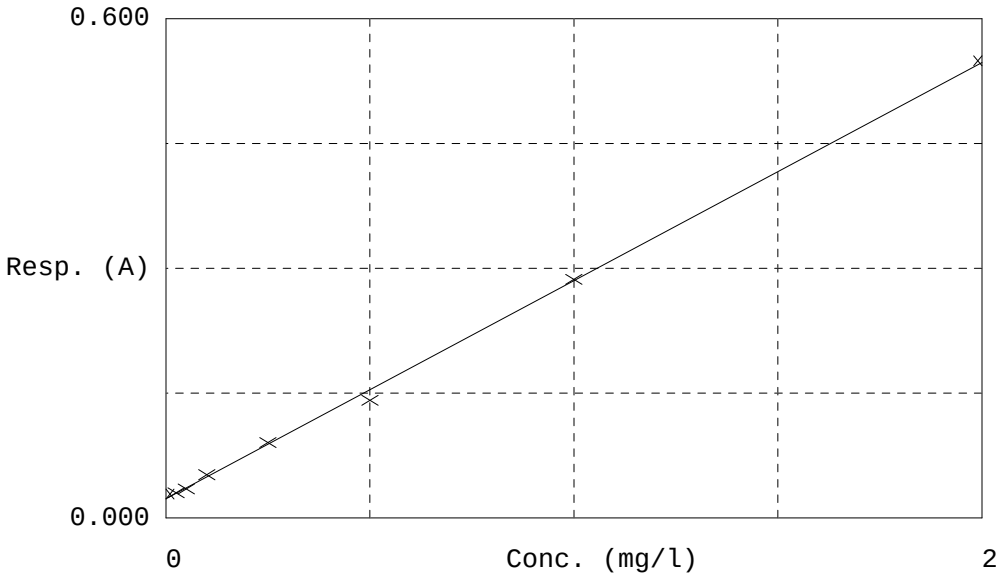
Test Ammonia

Accepted 6/26/2014 10:51

Factor 3.814
Bias 0.023

Coeff. of det. 0.999066

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.029	0.02140	0.00000	
2	NH3-0.025	0.030	0.02659	0.02500	
3	NH3-0.050	0.035	0.04461	0.05000	
4	NH3-0.10	0.052	0.11006	0.10000	
5	NH3-0.25	0.091	0.25795	0.25000	
6	NH3-0.50	0.141	0.45072	0.50000	
7	NH3-1.0	0.287	1.00549	1.00000	
8	NH3-2.0	0.550	2.00820	2.00000	
9	ICB NH3(control	0.033	0.03603	0.00000	Rule 1 violated
10	ICV NH3(control	0.298	1.04620	1.00000	
11	LCS-NH3(control	0.289	1.01192	1.00000	

TestAmerica Savannah
Konelab 1

6/26/2014 12:04

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	0.9450	0.0	0.293	
CCB-NH3	0.0952	0.0	0.032	Rule 1 violated
LLCS NH3	0.1062	0.0	0.036	
640-48275B27	0.0890	0.0	0.030	
640-48276G11	0.0909	0.0	0.031	
MB 336159/1-A	0.0898	0.0	0.031	
LCS 336159/2-A	0.9285	0.0	0.288	
MB 336161/1-A	0.0921	0.0	0.031	
LCS 336161/2-A	0.9317	0.0	0.289	
LLCS 336161/3-A	0.1060	0.0	0.036	
660-61292A1A	0.2873	0.0	0.091	
660-61292A1B MS	1.0783	0.0	0.334	
CCV-NH3	0.9673	0.0	0.300	
CCB-NH3	0.0917	0.0	0.031	Rule 1 violated
660-61292A1C MSD	1.0757	0.0	0.333	
102541B1A	0.1394	0.0	0.046	
CCV-NH3	0.9078	0.0	0.281	
CCB-NH3	0.0875	0.0	0.030	Rule 1 violated
660-61273A1A	13.2267	9.0	0.409	
660-61273A1B MS	14.3251	9.0	0.442	
660-61273A1C MSD	14.5030	9.0	0.448	
ICB NH3	0.0360	0.0	0.033	Rule 1 violated
ICV NH3	1.0462	0.0	0.298	
LCS-NH3	1.0119	0.0	0.289	
CCV-NH3	1.0348	0.0	0.295	
CCB-NH3	0.0325	0.0	0.032	Rule 1 violated
LLCS NH3	0.0477	0.0	0.036	
640-48275B27	0.0253	0.0	0.030	Test limit low
640-48276G11	0.0268	0.0	0.030	
MB 336159/1-A	0.0283	0.0	0.031	
LCS 336159/2-A	1.0244	0.0	0.292	
MB 336161/1-A	0.0296	0.0	0.031	
LCS 336161/2-A	1.0168	0.0	0.290	
LLCS 336161/3-A	0.0464	0.0	0.035	
660-61292A1A	0.2623	0.0	0.092	
660-61292A1C MSD	1.1750	0.0	0.331	
CCV-NH3	1.0389	0.0	0.296	
CCB-NH3	0.0315	0.0	0.032	Rule 1 violated
660-61292A1B MS	1.2090	0.0	0.340	
102541B1A	0.0852	0.0	0.046	
CCV-NH3	0.9916	0.0	0.283	
CCB-NH3	0.0253	0.0	0.030	Test limit low
660-61273A1A	14.8986	9.0	0.414	
660-61273A1B MS	15.8640	9.0	0.439	
660-61273A1C MSD	16.1732	9.0	0.447	
CCV-NH3	1.0405	0.0	0.296	
CCB-NH3	0.0285	0.0	0.031	Rule 1 violated
640-48276G11	0.0243	0.0	0.030	Test limit low
MB 336159/1-A	0.0236	0.0	0.029	Test limit low
MB 336161/1-A	0.0233	0.0	0.029	Test limit low
660-61273A1C MSD	15.9907	9.0	0.442	
CCV-NH3	1.0278	0.0	0.293	
CCB-NH3	0.0270	0.0	0.030	Rule 1 violated

TestAmerica Savannah
Konelab 1

6/26/2014 12:04

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response

N	34
Mean	3.3837
SD	6.03361
CV%	178.32

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

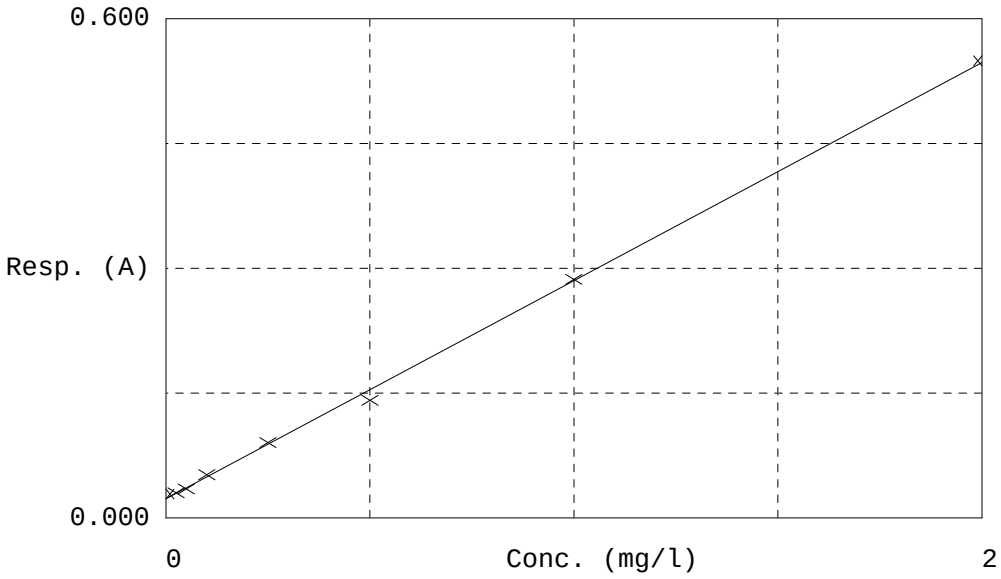
Test Ammonia

Accepted 6/26/2014 10:51

Factor 3.814
Bias 0.023

Coeff. of det. 0.999066

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.029	0.02140	0.00000	
2	NH3-0.025	0.030	0.02659	0.02500	
3	NH3-0.050	0.035	0.04461	0.05000	
4	NH3-0.10	0.052	0.11006	0.10000	
5	NH3-0.25	0.091	0.25795	0.25000	
6	NH3-0.50	0.141	0.45072	0.50000	
7	NH3-1.0	0.287	1.00549	1.00000	
8	NH3-2.0	0.550	2.00820	2.00000	

TestAmerica Savannah
Konelab 1

Date : 6/27/2014
Time : 13:36

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0593	0.301	6/27/2014 10:24		0.005
CCB-NH3	0.0257	0.030	6/27/2014 10:24		0.003
LLCS NH3	0.0363	0.033	6/27/2014 10:24		0.004
580-44105G3	0.1289	0.057	6/27/2014 10:24		0.003
580-44105H3 MS	1.3961	0.389	6/27/2014 10:24		0.019
580-44105G3 MSD	1.3498	0.377	6/27/2014 10:24		0.003
580-44105G1	0.1884	0.073	6/27/2014 10:24		0.003
580-44105G2	0.1941	0.074	6/27/2014 10:24		0.003
580-44105G4	0.0758	0.043	6/27/2014 10:24		0.003
580-44105G5	0.1056	0.051	6/27/2014 10:24		0.003
580-44105H6	0.1925	0.074	6/27/2014 10:24		0.003
580-44105G7	0.3888	0.125	6/27/2014 10:24		0.003
CCV-NH3	1.0451	0.297	6/27/2014 10:34		0.003
CCB-NH3	0.0306	0.031	6/27/2014 10:34		0.005
580-44105G8	0.4865	0.151	6/27/2014 10:34		0.004
580-44105H9	0.0643	0.040	6/27/2014 10:34		0.004
580-44105G10	0.0833	0.045	6/27/2014 10:34		0.003
580-44105G11	0.2476	0.088	6/27/2014 10:34		0.004
580-44105G12	0.6677	0.198	6/27/2014 10:34		0.003
580-44105G13	0.5472	0.167	6/27/2014 10:34		0.003
580-44105G14	0.0767	0.043	6/27/2014 10:34		0.004
580-44105H15	0.0516	0.037	6/27/2014 10:34		0.004
640-48267-E-5	0.0518	0.037	6/27/2014 10:34		0.003
640-48286F1	0.7129	0.210	6/27/2014 10:34		0.008
CCV-NH3	1.0554	0.300	6/27/2014 10:43		0.003
CCB-NH3	0.0313	0.031	6/27/2014 10:43		0.004
640-48286F2	0.7486	0.220	6/27/2014 10:43		0.010
640-48286F5	0.0564	0.038	6/27/2014 10:43		0.008
640-48286F5 MS	1.1640	0.328	6/27/2014 10:43		0.007
640-48286F5 MSD	1.1643	0.328	6/27/2014 10:43		0.007
640-48286F6	0.0848	0.046	6/27/2014 10:43		0.004
640-48286F6 DU	0.0830	0.045	6/27/2014 10:43		0.004
640-48286F7	0.5548	0.169	6/27/2014 10:43		0.007
640-48331H1	0.0487	0.036	6/27/2014 10:43		0.005
640-48332A2	0.0975	0.049	6/27/2014 10:43		0.003
640-48356A5	0.1291	0.057	6/27/2014 10:43		0.003
CCV-NH3	1.0611	0.301	6/27/2014 10:52		0.003
CCB-NH3	0.0300	0.031	6/27/2014 10:52		0.004
660-61226C3	0.1215	0.055	6/27/2014 10:52		0.005
102616B2	0.0785	0.044	6/27/2014 10:53		0.003
102616B3	0.0585	0.039	6/27/2014 10:53		0.003
CCV-NH3	1.0176	0.290	6/27/2014 11:02		0.004
CCB-NH3	0.0237	0.029	6/27/2014 11:02		0.003
CCV-NH3	1.0628	0.302	6/27/2014 11:20		0.003
CCB-NH3	0.0347	0.032	6/27/2014 11:20		0.003
102676A1	0.7203	0.212	6/27/2014 11:20		0.003
102676A2	0.8059	0.235	6/27/2014 11:20		0.005
102692C3	0.1175	0.054	6/27/2014 11:20		0.003
102698D2	0.2320	0.084	6/27/2014 11:20		0.004
102711F1	0.0822	0.045	6/27/2014 11:20		0.004
102711F2	0.0786	0.044	6/27/2014 11:20		0.009
102713F1	0.1746	0.069	6/27/2014 11:20		0.003
400-92494C1	16.0383	0.444	6/27/2014 11:29	1+9.0	0.003
CCV-NH3	1.0663	0.303	6/27/2014 11:29		0.003
CCB-NH3	0.0246	0.030	6/27/2014 11:29		0.003
CCV-NH3	1.0681	0.303	6/27/2014 11:58		0.003

TestAmerica Savannah
Konelab 1

Date : 6/27/2014
Time : 13:36

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCB-NH3	0.0289	0.031	6/27/2014 11:58		0.004
400-92353C1	0.2588	0.091	6/27/2014 11:58		0.009
400-92353C1 DU	0.2497	0.089	6/27/2014 11:58		0.008
660-61226C4	0.0909	0.047	6/27/2014 11:58		0.003
660-61226C5	0.0800	0.044	6/27/2014 11:58		0.003
660-61337C1	0.2410	0.086	6/27/2014 11:58		0.003
102616B1	0.0746	0.043	6/27/2014 11:58		0.003
102616B4	0.0765	0.043	6/27/2014 11:58		0.003
102616B5	0.0711	0.042	6/27/2014 11:58		0.003
102616B6	0.0996	0.049	6/27/2014 11:58		0.003
102616B8	0.1746	0.069	6/27/2014 11:58		0.003
CCV-NH3	1.0398	0.296	6/27/2014 12:07		0.006
CCB-NH3	0.0280	0.031	6/27/2014 12:07		0.004
102616B7	0.0902	0.047	6/27/2014 12:07		0.004
102616B8 MS	1.3916	0.388	6/27/2014 12:07		0.004
102616B8 MSD	1.3827	0.386	6/27/2014 12:08		0.003
102616B12	0.6584	0.196	6/27/2014 12:08		0.004
102616B13	0.2759	0.096	6/27/2014 12:08		0.005
102661B2	0.0929	0.048	6/27/2014 12:08		0.003
102663B1	0.9870	0.282	6/27/2014 12:08		0.004
102663B2	0.8207	0.238	6/27/2014 12:08		0.005
102663B3	0.2759	0.096	6/27/2014 12:08		0.003
102663B4	0.4547	0.142	6/27/2014 12:08		0.004
CCV-NH3	1.0643	0.302	6/27/2014 12:17		0.003
CCB-NH3	0.0280	0.031	6/27/2014 12:17		0.003
660-61326A1	3.0623	0.425	6/27/2014 12:17	1+1.0	0.103
660-61329B1	2.6658	0.373	6/27/2014 12:17	1+1.0	0.091
102616B9	3.4095	0.470	6/27/2014 12:17	1+1.0	0.004
102616B9 DU	3.3832	0.467	6/27/2014 12:17	1+1.0	0.003
660-61304A1	12.9730	0.363	6/27/2014 12:27	1+9.0	0.031
102616B10	3.6855	0.506	6/27/2014 12:27	1+1.0	0.004
102623F1	2.4277	0.341	6/27/2014 12:27	1+1.0	0.003
CCV-NH3	1.0687	0.303	6/27/2014 12:28		0.003
CCB-NH3	0.0268	0.030	6/27/2014 12:28		0.004
CCV-NH3	1.0649	0.302	6/27/2014 13:27		0.004
CCB-NH3	0.0280	0.031	6/27/2014 13:27		0.004
102616B11 200	288.6151	0.402	6/27/2014 13:27		0.003
102616B14 500	504.8625	0.288	6/27/2014 13:27		0.003
CCV-NH3	1.0523	0.299	6/27/2014 13:29		0.004
CCB-NH3	0.0246	0.030	6/27/2014 13:29		0.004

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0593	0.0	0.301	
CCB-NH3	0.0257	0.0	0.030	Test limit low
LLCS NH3	0.0363	0.0	0.033	
580-44105G3	0.1289	0.0	0.057	
580-44105H3 MS	1.3961	0.0	0.389	
580-44105G3 MSD	1.3498	0.0	0.377	
580-44105G1	0.1884	0.0	0.073	
580-44105G2	0.1941	0.0	0.074	
580-44105G4	0.0758	0.0	0.043	
580-44105G5	0.1056	0.0	0.051	
580-44105H6	0.1925	0.0	0.074	
580-44105G7	0.3888	0.0	0.125	
CCV-NH3	1.0451	0.0	0.297	
CCB-NH3	0.0306	0.0	0.031	Rule 1 violated
580-44105G8	0.4865	0.0	0.151	
580-44105H9	0.0643	0.0	0.040	
580-44105G10	0.0833	0.0	0.045	
580-44105G11	0.2476	0.0	0.088	
580-44105G12	0.6677	0.0	0.198	
580-44105G13	0.5472	0.0	0.167	
580-44105G14	0.0767	0.0	0.043	
580-44105H15	0.0516	0.0	0.037	
640-48267-E-5	0.0518	0.0	0.037	
640-48286F1	0.7129	0.0	0.210	
CCV-NH3	1.0554	0.0	0.300	
CCB-NH3	0.0313	0.0	0.031	Rule 1 violated
640-48286F2	0.7486	0.0	0.220	
640-48286F5	0.0564	0.0	0.038	
640-48286F5 MS	1.1640	0.0	0.328	
640-48286F5 MSD	1.1643	0.0	0.328	
640-48286F6	0.0848	0.0	0.046	
640-48286F6 DU	0.0830	0.0	0.045	
640-48286F7	0.5548	0.0	0.169	
640-48331H1	0.0487	0.0	0.036	
640-48332A2	0.0975	0.0	0.049	
640-48356A5	0.1291	0.0	0.057	
CCV-NH3	1.0611	0.0	0.301	
CCB-NH3	0.0300	0.0	0.031	Rule 1 violated
660-61226C3	0.1215	0.0	0.055	
660-61226C4	0.0835	0.0	0.045	
660-61226C5	0.0906	0.0	0.047	
660-61304A1	8.3904	0.0	2.223	
660-61326A1	2.6867	0.0	0.728	
660-61329B1	2.1571	0.0	0.589	
660-61337C1	0.2532	0.0	0.090	
102616B1	0.0708	0.0	0.042	
102616B2	0.0785	0.0	0.044	
102616B3	0.0585	0.0	0.039	
CCV-NH3	1.0176	0.0	0.290	
CCB-NH3	0.0237	0.0	0.029	Test limit low
102616B4	0.0705	0.0	0.042	
102616B5	0.0588	0.0	0.039	
102616B6	0.0825	0.0	0.045	
102616B7	0.0673	0.0	0.041	
102616B8	0.1670	0.0	0.067	
102616B8 MS	1.3433	0.0	0.375	
102616B8 MSD	1.3409	0.0	0.375	
102616B9	3.5943	0.0	0.966	

6/27/2014 13:36

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102616B9 DU	3.5880	0.0	0.964	
102616B10	3.8377	0.0	1.029	
CCV-NH3	1.1436	0.0	0.323	Rule 1 violated
CCB-NH3	0.5764	0.0	0.174	Rule 1 violated
102616B11	38.2192	0.0	10.043	Abs. high
102616B12	1.5901	0.0	0.440	
102616B13	1.5130	0.0	0.420	
102616B14	38.2250	0.0	10.045	Abs. high
102623F1	3.3682	0.0	0.906	
102661B2	0.4486	0.0	0.141	
102663B1	1.0792	0.0	0.306	
102663B2	0.8583	0.0	0.248	
102663B3	0.2822	0.0	0.097	
102663B4	0.4536	0.0	0.142	
CCV-NH3	1.0628	0.0	0.302	
CCB-NH3	0.0347	0.0	0.032	Rule 1 violated
102676A1	0.7203	0.0	0.212	
102676A2	0.8059	0.0	0.235	
102692C3	0.1175	0.0	0.054	
102698D2	0.2320	0.0	0.084	
102711F1	0.0822	0.0	0.045	
102711F2	0.0786	0.0	0.044	
102713F1	0.1746	0.0	0.069	
400-92353C1	0.4450	9.0	0.035	
400-92353C1 DU	0.4915	9.0	0.036	
400-92494C1	16.0383	9.0	0.444	
CCV-NH3	1.0663	0.0	0.303	
CCB-NH3	0.0246	0.0	0.030	Test limit low
CCV-NH3	1.0681	0.0	0.303	
CCB-NH3	0.0289	0.0	0.031	Rule 1 violated
400-92353C1	0.2588	0.0	0.091	
400-92353C1 DU	0.2497	0.0	0.089	
660-61226C4	0.0909	0.0	0.047	
660-61226C5	0.0800	0.0	0.044	
660-61337C1	0.2410	0.0	0.086	
102616B1	0.0746	0.0	0.043	
102616B4	0.0765	0.0	0.043	
102616B5	0.0711	0.0	0.042	
102616B6	0.0996	0.0	0.049	
102616B8	0.1746	0.0	0.069	
CCV-NH3	1.0398	0.0	0.296	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
102616B7	0.0902	0.0	0.047	
102616B8 MS	1.3916	0.0	0.388	
102616B8 MSD	1.3827	0.0	0.386	
102616B12	0.6584	0.0	0.196	
102616B13	0.2759	0.0	0.096	
102661B2	0.0929	0.0	0.048	
102663B1	0.9870	0.0	0.282	
102663B2	0.8207	0.0	0.238	
102663B3	0.2759	0.0	0.096	
102663B4	0.4547	0.0	0.142	
CCV-NH3	1.0643	0.0	0.302	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
660-61326A1	3.0623	1.0	0.425	
660-61329B1	2.6658	1.0	0.373	
102616B9	3.4095	1.0	0.470	
102616B9 DU	3.3832	1.0	0.467	

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61304A1	12.9730	9.0	0.363	
102616B10	3.6855	1.0	0.506	
102616B11	296.6948	49.0	1.579	
102616B14	486.4043	49.0	2.574	
102623F1	2.4277	1.0	0.341	
CCV-NH3	1.0687	0.0	0.303	
CCB-NH3	0.0268	0.0	0.030	Rule 1 violated
CCV-NH3	1.0649	0.0	0.302	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
102616B11 200	288.6151	0.0	0.402	
102616B14 500	504.8625	0.0	0.288	
CCV-NH3	1.0523	0.0	0.299	
CCB-NH3	0.0246	0.0	0.030	Test limit low

N	101
Mean	17.4314
SD	79.72964
CV%	457.39

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

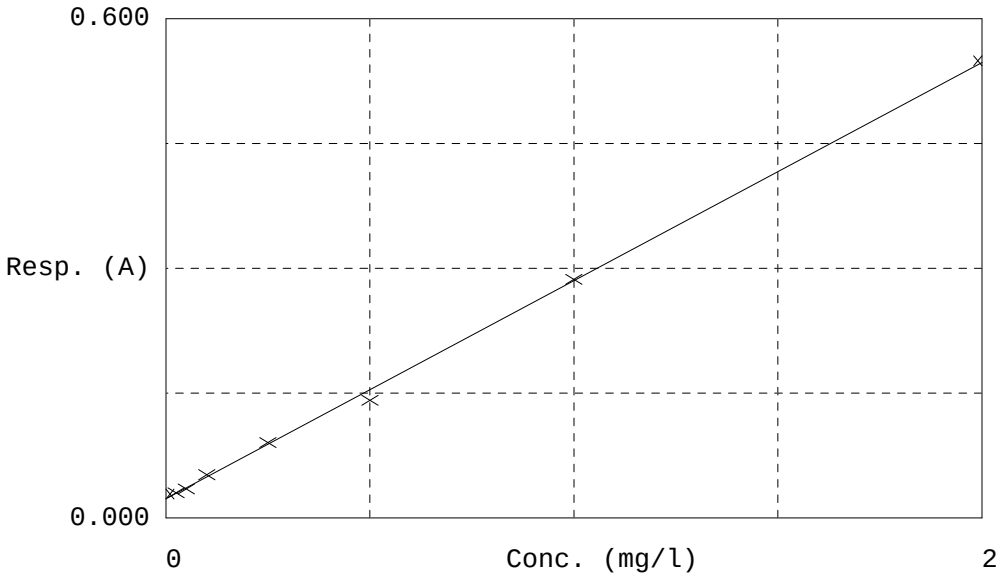
Test Ammonia

Accepted 6/26/2014 10:51

Factor 3.814
Bias 0.023

Coeff. of det. 0.999066

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.029	0.02140	0.00000	
2	NH3-0.025	0.030	0.02659	0.02500	
3	NH3-0.050	0.035	0.04461	0.05000	
4	NH3-0.10	0.052	0.11006	0.10000	
5	NH3-0.25	0.091	0.25795	0.25000	
6	NH3-0.50	0.141	0.45072	0.50000	
7	NH3-1.0	0.287	1.00549	1.00000	
8	NH3-2.0	0.550	2.00820	2.00000	

TestAmerica Savannah
Konelab 1

Date : 6/27/2014
Time : 13:36

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0593	0.301	6/27/2014 10:24		0.005
CCB-NH3	0.0257	0.030	6/27/2014 10:24		0.003
LLCS NH3	0.0363	0.033	6/27/2014 10:24		0.004
580-44105G3	0.1289	0.057	6/27/2014 10:24		0.003
580-44105H3 MS	1.3961	0.389	6/27/2014 10:24		0.019
580-44105G3 MSD	1.3498	0.377	6/27/2014 10:24		0.003
580-44105G1	0.1884	0.073	6/27/2014 10:24		0.003
580-44105G2	0.1941	0.074	6/27/2014 10:24		0.003
580-44105G4	0.0758	0.043	6/27/2014 10:24		0.003
580-44105G5	0.1056	0.051	6/27/2014 10:24		0.003
580-44105H6	0.1925	0.074	6/27/2014 10:24		0.003
580-44105G7	0.3888	0.125	6/27/2014 10:24		0.003
CCV-NH3	1.0451	0.297	6/27/2014 10:34		0.003
CCB-NH3	0.0306	0.031	6/27/2014 10:34		0.005
580-44105G8	0.4865	0.151	6/27/2014 10:34		0.004
580-44105H9	0.0643	0.040	6/27/2014 10:34		0.004
580-44105G10	0.0833	0.045	6/27/2014 10:34		0.003
580-44105G11	0.2476	0.088	6/27/2014 10:34		0.004
580-44105G12	0.6677	0.198	6/27/2014 10:34		0.003
580-44105G13	0.5472	0.167	6/27/2014 10:34		0.003
580-44105G14	0.0767	0.043	6/27/2014 10:34		0.004
580-44105H15	0.0516	0.037	6/27/2014 10:34		0.004
640-48267-E-5	0.0518	0.037	6/27/2014 10:34		0.003
640-48286F1	0.7129	0.210	6/27/2014 10:34		0.008
CCV-NH3	1.0554	0.300	6/27/2014 10:43		0.003
CCB-NH3	0.0313	0.031	6/27/2014 10:43		0.004
640-48286F2	0.7486	0.220	6/27/2014 10:43		0.010
640-48286F5	0.0564	0.038	6/27/2014 10:43		0.008
640-48286F5 MS	1.1640	0.328	6/27/2014 10:43		0.007
640-48286F5 MSD	1.1643	0.328	6/27/2014 10:43		0.007
640-48286F6	0.0848	0.046	6/27/2014 10:43		0.004
640-48286F6 DU	0.0830	0.045	6/27/2014 10:43		0.004
640-48286F7	0.5548	0.169	6/27/2014 10:43		0.007
640-48331H1	0.0487	0.036	6/27/2014 10:43		0.005
640-48332A2	0.0975	0.049	6/27/2014 10:43		0.003
640-48356A5	0.1291	0.057	6/27/2014 10:43		0.003
CCV-NH3	1.0611	0.301	6/27/2014 10:52		0.003
CCB-NH3	0.0300	0.031	6/27/2014 10:52		0.004
660-61226C3	0.1215	0.055	6/27/2014 10:52		0.005
102616B2	0.0785	0.044	6/27/2014 10:53		0.003
102616B3	0.0585	0.039	6/27/2014 10:53		0.003
CCV-NH3	1.0176	0.290	6/27/2014 11:02		0.004
CCB-NH3	0.0237	0.029	6/27/2014 11:02		0.003
CCV-NH3	1.0628	0.302	6/27/2014 11:20		0.003
CCB-NH3	0.0347	0.032	6/27/2014 11:20		0.003
102676A1	0.7203	0.212	6/27/2014 11:20		0.003
102676A2	0.8059	0.235	6/27/2014 11:20		0.005
102692C3	0.1175	0.054	6/27/2014 11:20		0.003
102698D2	0.2320	0.084	6/27/2014 11:20		0.004
102711F1	0.0822	0.045	6/27/2014 11:20		0.004
102711F2	0.0786	0.044	6/27/2014 11:20		0.009
102713F1	0.1746	0.069	6/27/2014 11:20		0.003
400-92494C1	16.0383	0.444	6/27/2014 11:29	1+9.0	0.003
CCV-NH3	1.0663	0.303	6/27/2014 11:29		0.003
CCB-NH3	0.0246	0.030	6/27/2014 11:29		0.003
CCV-NH3	1.0681	0.303	6/27/2014 11:58		0.003

TestAmerica Savannah
Konelab 1

Date : 6/27/2014
Time : 13:36

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCB-NH3	0.0289	0.031	6/27/2014 11:58		0.004
400-92353C1	0.2588	0.091	6/27/2014 11:58		0.009
400-92353C1 DU	0.2497	0.089	6/27/2014 11:58		0.008
660-61226C4	0.0909	0.047	6/27/2014 11:58		0.003
660-61226C5	0.0800	0.044	6/27/2014 11:58		0.003
660-61337C1	0.2410	0.086	6/27/2014 11:58		0.003
102616B1	0.0746	0.043	6/27/2014 11:58		0.003
102616B4	0.0765	0.043	6/27/2014 11:58		0.003
102616B5	0.0711	0.042	6/27/2014 11:58		0.003
102616B6	0.0996	0.049	6/27/2014 11:58		0.003
102616B8	0.1746	0.069	6/27/2014 11:58		0.003
CCV-NH3	1.0398	0.296	6/27/2014 12:07		0.006
CCB-NH3	0.0280	0.031	6/27/2014 12:07		0.004
102616B7	0.0902	0.047	6/27/2014 12:07		0.004
102616B8 MS	1.3916	0.388	6/27/2014 12:07		0.004
102616B8 MSD	1.3827	0.386	6/27/2014 12:08		0.003
102616B12	0.6584	0.196	6/27/2014 12:08		0.004
102616B13	0.2759	0.096	6/27/2014 12:08		0.005
102661B2	0.0929	0.048	6/27/2014 12:08		0.003
102663B1	0.9870	0.282	6/27/2014 12:08		0.004
102663B2	0.8207	0.238	6/27/2014 12:08		0.005
102663B3	0.2759	0.096	6/27/2014 12:08		0.003
102663B4	0.4547	0.142	6/27/2014 12:08		0.004
CCV-NH3	1.0643	0.302	6/27/2014 12:17		0.003
CCB-NH3	0.0280	0.031	6/27/2014 12:17		0.003
660-61326A1	3.0623	0.425	6/27/2014 12:17	1+1.0	0.103
660-61329B1	2.6658	0.373	6/27/2014 12:17	1+1.0	0.091
102616B9	3.4095	0.470	6/27/2014 12:17	1+1.0	0.004
102616B9 DU	3.3832	0.467	6/27/2014 12:17	1+1.0	0.003
660-61304A1	12.9730	0.363	6/27/2014 12:27	1+9.0	0.031
102616B10	3.6855	0.506	6/27/2014 12:27	1+1.0	0.004
102623F1	2.4277	0.341	6/27/2014 12:27	1+1.0	0.003
CCV-NH3	1.0687	0.303	6/27/2014 12:28		0.003
CCB-NH3	0.0268	0.030	6/27/2014 12:28		0.004
CCV-NH3	1.0649	0.302	6/27/2014 13:27		0.004
CCB-NH3	0.0280	0.031	6/27/2014 13:27		0.004
102616B11 200	288.6151	0.402	6/27/2014 13:27		0.003
102616B14 500	504.8625	0.288	6/27/2014 13:27		0.003
CCV-NH3	1.0523	0.299	6/27/2014 13:29		0.004
CCB-NH3	0.0246	0.030	6/27/2014 13:29		0.004

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0593	0.0	0.301	
CCB-NH3	0.0257	0.0	0.030	Test limit low
LLCS NH3	0.0363	0.0	0.033	
580-44105G3	0.1289	0.0	0.057	
580-44105H3 MS	1.3961	0.0	0.389	
580-44105G3 MSD	1.3498	0.0	0.377	
580-44105G1	0.1884	0.0	0.073	
580-44105G2	0.1941	0.0	0.074	
580-44105G4	0.0758	0.0	0.043	
580-44105G5	0.1056	0.0	0.051	
580-44105H6	0.1925	0.0	0.074	
580-44105G7	0.3888	0.0	0.125	
CCV-NH3	1.0451	0.0	0.297	
CCB-NH3	0.0306	0.0	0.031	Rule 1 violated
580-44105G8	0.4865	0.0	0.151	
580-44105H9	0.0643	0.0	0.040	
580-44105G10	0.0833	0.0	0.045	
580-44105G11	0.2476	0.0	0.088	
580-44105G12	0.6677	0.0	0.198	
580-44105G13	0.5472	0.0	0.167	
580-44105G14	0.0767	0.0	0.043	
580-44105H15	0.0516	0.0	0.037	
640-48267-E-5	0.0518	0.0	0.037	
640-48286F1	0.7129	0.0	0.210	
CCV-NH3	1.0554	0.0	0.300	
CCB-NH3	0.0313	0.0	0.031	Rule 1 violated
640-48286F2	0.7486	0.0	0.220	
640-48286F5	0.0564	0.0	0.038	
640-48286F5 MS	1.1640	0.0	0.328	
640-48286F5 MSD	1.1643	0.0	0.328	
640-48286F6	0.0848	0.0	0.046	
640-48286F6 DU	0.0830	0.0	0.045	
640-48286F7	0.5548	0.0	0.169	
640-48331H1	0.0487	0.0	0.036	
640-48332A2	0.0975	0.0	0.049	
640-48356A5	0.1291	0.0	0.057	
CCV-NH3	1.0611	0.0	0.301	
CCB-NH3	0.0300	0.0	0.031	Rule 1 violated
660-61226C3	0.1215	0.0	0.055	
660-61226C4	0.0835	0.0	0.045	
660-61226C5	0.0906	0.0	0.047	
660-61304A1	8.3904	0.0	2.223	
660-61326A1	2.6867	0.0	0.728	
660-61329B1	2.1571	0.0	0.589	
660-61337C1	0.2532	0.0	0.090	
102616B1	0.0708	0.0	0.042	
102616B2	0.0785	0.0	0.044	
102616B3	0.0585	0.0	0.039	
CCV-NH3	1.0176	0.0	0.290	
CCB-NH3	0.0237	0.0	0.029	Test limit low
102616B4	0.0705	0.0	0.042	
102616B5	0.0588	0.0	0.039	
102616B6	0.0825	0.0	0.045	
102616B7	0.0673	0.0	0.041	
102616B8	0.1670	0.0	0.067	
102616B8 MS	1.3433	0.0	0.375	
102616B8 MSD	1.3409	0.0	0.375	
102616B9	3.5943	0.0	0.966	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102616B9 DU	3.5880	0.0	0.964	
102616B10	3.8377	0.0	1.029	
CCV-NH3	1.1436	0.0	0.323	Rule 1 violated
CCB-NH3	0.5764	0.0	0.174	Rule 1 violated
102616B11	38.2192	0.0	10.043	Abs. high
102616B12	1.5901	0.0	0.440	
102616B13	1.5130	0.0	0.420	
102616B14	38.2250	0.0	10.045	Abs. high
102623F1	3.3682	0.0	0.906	
102661B2	0.4486	0.0	0.141	
102663B1	1.0792	0.0	0.306	
102663B2	0.8583	0.0	0.248	
102663B3	0.2822	0.0	0.097	
102663B4	0.4536	0.0	0.142	
CCV-NH3	1.0628	0.0	0.302	
CCB-NH3	0.0347	0.0	0.032	Rule 1 violated
102676A1	0.7203	0.0	0.212	
102676A2	0.8059	0.0	0.235	
102692C3	0.1175	0.0	0.054	
102698D2	0.2320	0.0	0.084	
102711F1	0.0822	0.0	0.045	
102711F2	0.0786	0.0	0.044	
102713F1	0.1746	0.0	0.069	
400-92353C1	0.4450	9.0	0.035	
400-92353C1 DU	0.4915	9.0	0.036	
400-92494C1	16.0383	9.0	0.444	
CCV-NH3	1.0663	0.0	0.303	
CCB-NH3	0.0246	0.0	0.030	Test limit low
CCV-NH3	1.0681	0.0	0.303	
CCB-NH3	0.0289	0.0	0.031	Rule 1 violated
400-92353C1	0.2588	0.0	0.091	
400-92353C1 DU	0.2497	0.0	0.089	
660-61226C4	0.0909	0.0	0.047	
660-61226C5	0.0800	0.0	0.044	
660-61337C1	0.2410	0.0	0.086	
102616B1	0.0746	0.0	0.043	
102616B4	0.0765	0.0	0.043	
102616B5	0.0711	0.0	0.042	
102616B6	0.0996	0.0	0.049	
102616B8	0.1746	0.0	0.069	
CCV-NH3	1.0398	0.0	0.296	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
102616B7	0.0902	0.0	0.047	
102616B8 MS	1.3916	0.0	0.388	
102616B8 MSD	1.3827	0.0	0.386	
102616B12	0.6584	0.0	0.196	
102616B13	0.2759	0.0	0.096	
102661B2	0.0929	0.0	0.048	
102663B1	0.9870	0.0	0.282	
102663B2	0.8207	0.0	0.238	
102663B3	0.2759	0.0	0.096	
102663B4	0.4547	0.0	0.142	
CCV-NH3	1.0643	0.0	0.302	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
660-61326A1	3.0623	1.0	0.425	
660-61329B1	2.6658	1.0	0.373	
102616B9	3.4095	1.0	0.470	
102616B9 DU	3.3832	1.0	0.467	

TestAmerica Savannah
Konelab 1

6/27/2014 13:36

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61304A1	12.9730	9.0	0.363	
102616B10	3.6855	1.0	0.506	
102616B11	296.6948	49.0	1.579	
102616B14	486.4043	49.0	2.574	
102623F1	2.4277	1.0	0.341	
CCV-NH3	1.0687	0.0	0.303	
CCB-NH3	0.0268	0.0	0.030	Rule 1 violated
CCV-NH3	1.0649	0.0	0.302	
CCB-NH3	0.0280	0.0	0.031	Rule 1 violated
102616B11 200	288.6151	0.0	0.402	
102616B14 500	504.8625	0.0	0.288	
CCV-NH3	1.0523	0.0	0.299	
CCB-NH3	0.0246	0.0	0.030	Test limit low

N	101
Mean	17.4314
SD	79.72964
CV%	457.39

TestAmerica Savannah
Konelab 1

Date : 7/1/2014
Time : 10:24

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
ICB NH3	-0.0026	0.012	6/30/2014 16:09		0.002
ICV NH3	1.0480	0.281	6/30/2014 16:09		0.001
LCS-NH3	1.0064	0.270	6/30/2014 16:09		0.001
CCV-NH3	1.0493	0.281	6/30/2014 16:28		0.001
CCB-NH3	-0.0077	0.010	6/30/2014 16:28		0.002
MB 336891/1-A	-0.0118	0.009	6/30/2014 16:28		0.001
LCS 336891/2-A	1.0291	0.276	6/30/2014 16:28		0.001
400-92600G1A	0.3760	0.108	6/30/2014 16:28		0.001
640-48369C1A	1.1948	0.318	6/30/2014 16:28		0.001
660-61338B4A	0.2044	0.065	6/30/2014 16:28		0.001
CCV-NH3	1.0036	0.269	6/30/2014 16:33		0.001
CCB-NH3	-0.0087	0.010	6/30/2014 16:33		0.002
102760H1A	6.6043	0.350	6/30/2014 16:37	1+4.0	0.001
102760H1B MS	7.2318	0.382	6/30/2014 16:37	1+4.0	0.001
102760H1C MSD	7.8662	0.415	6/30/2014 16:37	1+4.0	0.001
CCV-NH3	1.0459	0.280	6/30/2014 16:57		0.002
CCB-NH3	-0.0110	0.009	6/30/2014 16:57		0.001
LLCS NH3	0.0319	0.020	6/30/2014 16:57		0.002
LLCS 336891/3-A	0.0319	0.020	6/30/2014 16:57		0.001
CCV-NH3	1.0448	0.280	6/30/2014 16:59		0.001
CCB-NH3	-0.0089	0.010	6/30/2014 16:59		0.002
CCV-NH3	1.0432	0.279	6/30/2014 17:56		0.001
CCB-NH3	-0.0074	0.010	6/30/2014 17:56		0.001
CCV-NH3	1.0312	0.276	6/30/2014 18:25		0.001
CCB-NH3	-0.0084	0.010	6/30/2014 18:25		0.001
660-61357I5	0.1018	0.038	6/30/2014 18:25		0.004
660-61362A1	0.1194	0.043	6/30/2014 18:25		0.213
660-61364A1	0.2374	0.073	6/30/2014 18:25		0.169
660-61369F1	0.1139	0.041	6/30/2014 18:34		0.002
660-61369B2	0.1360	0.047	6/30/2014 18:34		0.002
660-61382A1	0.1644	0.054	6/30/2014 18:34		0.003
660-61382A2	0.0983	0.037	6/30/2014 18:34		0.004
660-61382I3	0.1088	0.040	6/30/2014 18:34		0.002
660-61382I4	0.0683	0.030	6/30/2014 18:34		0.002
660-61384A1	0.1147	0.042	6/30/2014 18:34		0.201
CCV-NH3	1.0215	0.274	6/30/2014 18:34		0.001
CCB-NH3	-0.0077	0.010	6/30/2014 18:34		0.001
660-61385B1	0.1465	0.050	6/30/2014 18:34		0.171
102655B1	0.3032	0.090	6/30/2014 18:34		0.002
102655B1 MS	1.4642	0.387	6/30/2014 18:34		0.003
102655B1 MSD	1.4974	0.396	6/30/2014 18:44		0.003
102655B2	0.1012	0.038	6/30/2014 18:44		0.003
102655B2 DU	0.0879	0.035	6/30/2014 18:44		0.002
102655B3	0.1557	0.052	6/30/2014 18:44		0.002
102655B4	0.1079	0.040	6/30/2014 18:44		0.002
102655D5	0.9337	0.251	6/30/2014 18:44		0.003
102692C4	0.1043	0.039	6/30/2014 18:44		0.002
CCV-NH3	1.0249	0.275	6/30/2014 18:44		0.001
CCB-NH3	-0.0069	0.010	6/30/2014 18:44		0.001
102692C5	0.2062	0.065	6/30/2014 18:44		0.002
102692C6	0.1250	0.044	6/30/2014 18:44		0.002
102782C1	0.1242	0.044	6/30/2014 18:44		0.002
102782C2	0.0827	0.033	6/30/2014 18:48		0.003
102616B15	146.4973	0.387	6/30/2014 18:58	1+99.0	0.001
102710-E-1	2.0376	0.273	6/30/2014 18:58	1+1.0	0.002
CCV-NH3	1.0508	0.281	6/30/2014 19:08		0.002

TestAmerica Savannah
Konelab 1

Date : 7/1/2014
Time : 10:24

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCB-NH3	0.0028	0.013	6/30/2014 19:08		0.001
CCV-NH3	1.0394	0.278	6/30/2014 19:55		0.003
CCB-NH3	-0.0035	0.011	6/30/2014 19:55		0.002
CCV-NH3	1.0336	0.277	7/1/2014 9:00		0.003
CCB-NH3	-0.0015	0.012	7/1/2014 9:00		0.003
660-61336C1	0.2733	0.082	7/1/2014 9:00		0.003
660-61336C1 DU	0.1969	0.063	7/1/2014 9:00		0.003
660-61357I1	-0.0009	0.012	7/1/2014 9:00		0.003
660-61336C2	0.2849	0.085	7/1/2014 9:00		0.002
660-61357I2	0.4254	0.121	7/1/2014 9:00		0.004
660-61357I3	0.4153	0.119	7/1/2014 9:00		0.003
660-61357I4	0.2480	0.076	7/1/2014 9:00		0.003
102782C3	0.2122	0.067	7/1/2014 9:00		0.002
102782C4	0.3850	0.111	7/1/2014 9:00		0.003
102782C5	0.2467	0.075	7/1/2014 9:00		0.003
CCV-NH3	1.0413	0.279	7/1/2014 9:08		0.003
CCB-NH3	-0.0061	0.011	7/1/2014 9:08		0.003
102529A8 1K	841.0362	0.228	7/1/2014 9:08		0.003
102529A8 MS 1K	2e+003	0.501	7/1/2014 9:08		0.003
102529A8 MSD 1K	2e+003	0.498	7/1/2014 9:08		0.003
102529A7 1K	825.5031	0.224	7/1/2014 9:08		0.003
102655B6	104.1345	0.279	7/1/2014 9:18	1+99.0	0.003
102655B7	134.5684	0.357	7/1/2014 9:18	1+99.0	0.003
102747A1	14.7104	0.389	7/1/2014 9:18	1+9.0	0.005
102747A2	13.9399	0.369	7/1/2014 9:18	1+9.0	0.006
102747A3	10.0359	0.269	7/1/2014 9:18	1+9.0	0.006
CCV-NH3	0.9903	0.266	7/1/2014 9:23		0.003
CCB-NH3	-0.0043	0.011	7/1/2014 9:23		0.003
CCV-NH3	1.0409	0.279	7/1/2014 9:26		0.003
CCB-NH3	-0.0067	0.011	7/1/2014 9:26		0.003
102655B8	143.3896	0.379	7/1/2014 9:26	1+99.0	0.003
CCV-NH3	1.0271	0.275	7/1/2014 9:45		0.003
CCB-NH3	-0.0067	0.011	7/1/2014 9:45		0.003
LLCS NH3	0.0473	0.024	7/1/2014 9:45		0.003
CCV-NH3	1.0072	0.270	7/1/2014 9:46		0.003
CCB-NH3	-0.0062	0.011	7/1/2014 9:46		0.003

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

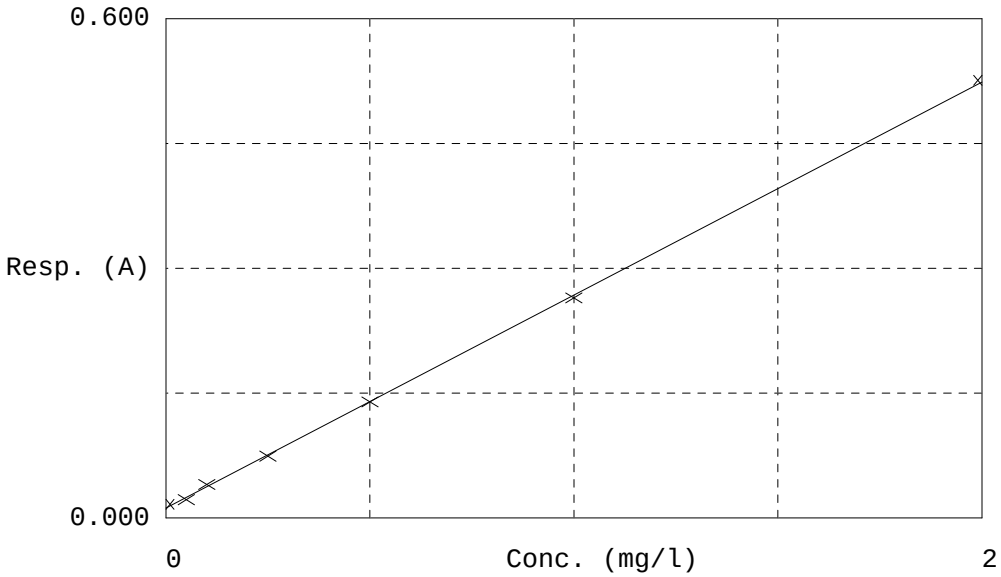
Test Ammonia

Accepted 6/30/2014 16:09

Factor 3.906
Bias 0.012

Coeff. of det. 0.999745

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.016	0.01646	0.00000	
2	NH3-0.050	0.022	0.03862	0.05000	
3	NH3-0.10	0.040	0.10965	0.10000	
4	NH3-0.25	0.074	0.24305	0.25000	
5	NH3-0.50	0.140	0.49796	0.50000	
6	NH3-1.0	0.265	0.98617	1.00000	
7	NH3-2.0	0.526	2.00810	2.00000	
8	ICB NH3(control	0.012	-0.00261	0.00000	Test limit low
9	ICV NH3(control	0.281	1.04798	1.00000	
10	LCS-NH3(control	0.270	1.00641	1.00000	

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	0.9392	0.0	0.269	
CCB-NH3	-0.0500	0.0	0.010	Test limit low, Rule 1 vi
LLCS NH3	-0.0512	0.0	0.010	Test limit low
MB 336891/1-A	-0.0487	0.0	0.010	Test limit low
LCS 336891/2-A	0.9315	0.0	0.267	
LLCS 336891/3-A	-0.0330	0.0	0.015	Test limit low
102760H1A	6.0626	0.0	1.613	
102760H1B MS	6.4930	0.0	1.726	
102760H1C MSD	6.9389	0.0	1.842	
400-92600G1A	0.3518	0.0	0.116	
640-48369C1A	1.1045	0.0	0.313	
660-61338B4A	0.1535	0.0	0.064	
CCV-NH3	0.9302	0.0	0.267	
CCB-NH3	-0.0512	0.0	0.010	Test limit low, Rule 1 vi
CCV-NH3	0.9506	0.0	0.272	
CCB-NH3	-0.0472	0.0	0.011	Test limit low, Rule 1 vi
LLCS NH3	-0.0549	0.0	0.009	Test limit low
MB 336891/1-A	-0.0154	0.0	0.019	Test limit low
LCS 336891/2-A	0.9328	0.0	0.268	
LLCS 336891/3-A	-0.0523	0.0	0.010	Test limit low
400-92600G1A	0.3110	0.0	0.105	
640-48369C1A	1.0968	0.0	0.311	
660-61338B4A	0.1506	0.0	0.063	
CCV-NH3	0.9055	0.0	0.261	
CCB-NH3	-0.0505	0.0	0.010	Test limit low, Rule 1 vi
102760H1A	6.1984	4.0	0.348	
102760H1B MS	8.6053	4.0	0.474	
102760H1C MSD	7.1186	4.0	0.397	
ICB NH3	-0.0026	0.0	0.012	Test limit low
ICV NH3	1.0480	0.0	0.281	
LCS-NH3	1.0064	0.0	0.270	
CCV-NH3	1.0493	0.0	0.281	
CCB-NH3	-0.0077	0.0	0.010	Test limit low
LLCS NH3	-0.0090	0.0	0.010	Test limit low
MB 336891/1-A	-0.0118	0.0	0.009	Test limit low
LCS 336891/2-A	1.0291	0.0	0.276	
LLCS 336891/3-A	-0.0138	0.0	0.009	Test limit low
400-92600G1A	0.3760	0.0	0.108	
640-48369C1A	1.1948	0.0	0.318	
660-61338B4A	0.2044	0.0	0.065	
CCV-NH3	1.0036	0.0	0.269	
CCB-NH3	-0.0087	0.0	0.010	Test limit low
102760H1A	6.6043	4.0	0.350	
102760H1B MS	7.2318	4.0	0.382	
102760H1C MSD	7.8662	4.0	0.415	
CCV-NH3	1.0459	0.0	0.280	
CCB-NH3	-0.0110	0.0	0.009	Test limit low
LLCS NH3	0.0319	0.0	0.020	
LLCS 336891/3-A	0.0319	0.0	0.020	
CCV-NH3	1.0448	0.0	0.280	
CCB-NH3	-0.0089	0.0	0.010	Test limit low
CCV-NH3	1.7055	0.0	0.449	Rule 1 violated
CCB-NH3	2.2313	0.0	0.583	Rule 1 violated
102529A8	39.2012	0.0	10.047	Abs. high
102529A8 MS	39.2007	0.0	10.047	Abs. high
102529A8 MSD	39.2009	0.0	10.047	Abs. high
660-61336C1	3.1286	0.0	0.813	
660-61336C1 DU	0.8731	0.0	0.236	

TestAmerica Savannah
Konelab 1

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61357I1	0.4060	0.0	0.116	
660-61336C2	0.3110	0.0	0.092	
660-61357I2	0.3443	0.0	0.100	
660-61357I3	0.3148	0.0	0.093	
660-61357I4	0.1513	0.0	0.051	
CCV-NH3	1.5250	0.0	0.403	Rule 1 violated
CCB-NH3	0.5885	0.0	0.163	Rule 1 violated
660-61357I5	0.7103	0.0	0.194	
660-61362A1	0.4950	0.0	0.139	
660-61364A1	0.4440	0.0	0.126	
660-61369F1	0.2490	0.0	0.076	
660-61369B2	0.2032	0.0	0.064	
660-61382A1	0.1840	0.0	0.059	
660-61382A2	0.1043	0.0	0.039	
660-61382I3	0.1268	0.0	0.045	
660-61382I4	0.0631	0.0	0.028	
660-61384A1	0.0920	0.0	0.036	
CCV-NH3	1.0850	0.0	0.290	
CCB-NH3	0.1913	0.0	0.061	Rule 1 violated
660-61385B1	0.8486	0.0	0.229	
102529A7	39.1996	0.0	10.047	Abs. high
102616B15	39.1948	0.0	10.046	Abs. high
102655B1	0.9418	0.0	0.253	
102655B1 MS	1.6681	0.0	0.439	
102655B1 MSD	1.5617	0.0	0.412	
102655B2	0.1398	0.0	0.048	
102655B2 DU	0.5667	0.0	0.157	
102655B3	0.1569	0.0	0.052	
102655B4	0.1129	0.0	0.041	
CCV-NH3	1.0810	0.0	0.289	
CCB-NH3	0.0745	0.0	0.031	Rule 1 violated
102655D5	1.2754	0.0	0.339	
102655B6	39.1989	0.0	10.047	Abs. high
102655B7	39.1965	0.0	10.046	Abs. high
102655B8	39.1581	0.0	10.036	Abs. high
102692C4	0.6018	0.0	0.166	
102692C5	0.3391	0.0	0.099	
102692C6	0.1776	0.0	0.058	
102710-E-1	2.0628	0.0	0.540	
102782C1	0.1304	0.0	0.046	
102782C2	0.0805	0.0	0.033	
CCV-NH3	1.0432	0.0	0.279	
CCB-NH3	-0.0074	0.0	0.010	Test limit low
102782C3	0.0578	0.0	0.027	
102782C4	0.2223	0.0	0.069	
102782C5	0.0632	0.0	0.028	
102747A1	13.2685	9.0	0.352	
102747A1	12.6562	4.0	0.660	
102747A1	13.2059	19.0	0.181	
102747A2	12.4630	4.0	0.650	
102747A2	12.9355	9.0	0.343	
102747A2	13.0150	19.0	0.179	
102529A8	78.3978	1.0	10.047	Abs. high
CCV-NH3	2.3258	0.0	0.608	Rule 1 violated
CCB-NH3	0.4162	0.0	0.119	Rule 1 violated
102747A3	10.5871	4.0	0.554	
102747A3	9.9376	9.0	0.267	
102747A3	10.7015	19.0	0.149	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61336C1	0.1642	0.0	0.054	
660-61336C1 DU	0.1183	0.0	0.043	
660-61357I1	0.1027	0.0	0.039	
660-61336C2	0.1906	0.0	0.061	
660-61357I2	0.2896	0.0	0.086	
660-61357I3	0.2856	0.0	0.085	
660-61357I4	0.1383	0.0	0.048	
CCV-NH3	1.0312	0.0	0.276	
CCB-NH3	-0.0084	0.0	0.010	Test limit low
660-61357I5	0.1018	0.0	0.038	
660-61362A1	0.1194	0.0	0.043	
660-61364A1	0.2374	0.0	0.073	
660-61369F1	0.1139	0.0	0.041	
660-61369B2	0.1360	0.0	0.047	
660-61382A1	0.1644	0.0	0.054	
660-61382A2	0.0983	0.0	0.037	
660-61382I3	0.1088	0.0	0.040	
660-61382I4	0.0683	0.0	0.030	
660-61384A1	0.1147	0.0	0.042	
CCV-NH3	1.0215	0.0	0.274	
CCB-NH3	-0.0077	0.0	0.010	Test limit low
660-61385B1	0.1465	0.0	0.050	
102655B1	0.3032	0.0	0.090	
102655B1 MS	1.4642	0.0	0.387	
102655B1 MSD	1.4974	0.0	0.396	
102655B2	0.1012	0.0	0.038	
102655B2 DU	0.0879	0.0	0.035	
102655B3	0.1557	0.0	0.052	
102655B4	0.1079	0.0	0.040	
102655D5	0.9337	0.0	0.251	
102692C4	0.1043	0.0	0.039	
CCV-NH3	1.0249	0.0	0.275	
CCB-NH3	-0.0069	0.0	0.010	Test limit low
102692C5	0.2062	0.0	0.065	
102692C6	0.1250	0.0	0.044	
102782C1	0.1242	0.0	0.044	
102782C2	0.0827	0.0	0.033	
102529A8	922.4208	99.0	2.374	
102529A8 MS	924.5626	99.0	2.379	
102529A8 MSD	912.2841	99.0	2.348	
102529A7	760.1876	99.0	1.958	
102616B15	146.4973	99.0	0.387	
102710-E-1	2.0376	1.0	0.273	
CCV-NH3	1.0508	0.0	0.281	
CCB-NH3	0.0028	0.0	0.013	Test limit low
102655B6	95.3747	99.0	0.256	
102655B7	126.2126	99.0	0.335	
102655B8	172.6445	99.0	0.454	
102529A8	196.0073	4.0	10.047	Abs. high
102529A8	392.0152	9.0	10.048	Abs. high
102529A8	15.9174	19.0	0.216	
102529A8	654.5916	49.0	3.364	
102529A8	931.2780	99.0	2.396	
102529A8 MS	78.4031	1.0	10.048	Abs. high
102529A8 MS	196.0095	4.0	10.048	Abs. high
CCV-NH3	1.0784	0.0	0.288	
CCB-NH3	0.1104	0.0	0.040	Rule 1 violated
102529A8 MS	263.7935	9.0	6.765	Abs. high

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102529A8 MS	358.4138	19.0	4.600	
102529A8 MS	677.4361	49.0	3.481	
102529A8 MS	888.6217	99.0	2.287	
102529A8 MSD	78.3972	1.0	10.047	Abs. high
102529A8 MSD	195.9809	4.0	10.046	Abs. high
102529A8 MSD	236.8435	9.0	6.075	
102529A8 MSD	352.8751	19.0	4.529	
102529A8 MSD	683.0142	49.0	3.509	
102529A8 MSD	918.7734	99.0	2.364	
CCV-NH3	1.1466	0.0	0.306	Rule 1 violated
CCB-NH3	0.4679	0.0	0.132	Rule 1 violated
102529A7	78.4004	1.0	10.047	Abs. high
102529A7	196.0082	4.0	10.048	Abs. high
102529A7	219.4930	9.0	5.631	
102529A7	357.4389	19.0	4.587	
102529A7	588.3702	49.0	3.025	
102529A7	736.7128	99.0	1.898	
CCV-NH3	1.0394	0.0	0.278	
CCB-NH3	-0.0035	0.0	0.011	Test limit low
CCV-NH3	1.0336	0.0	0.277	
CCB-NH3	-0.0015	0.0	0.012	Test limit low
660-61336C1	0.2733	0.0	0.082	
660-61336C1 DU	0.1969	0.0	0.063	
660-61357I1	-0.0009	0.0	0.012	Test limit low
660-61336C2	0.2849	0.0	0.085	
660-61357I2	0.4254	0.0	0.121	
660-61357I3	0.4153	0.0	0.119	
660-61357I4	0.2480	0.0	0.076	
102782C3	0.2122	0.0	0.067	
102782C4	0.3850	0.0	0.111	
102782C5	0.2467	0.0	0.075	
CCV-NH3	1.0413	0.0	0.279	
CCB-NH3	-0.0061	0.0	0.011	Test limit low
102529A8 1K	841.0362	0.0	0.228	
102529A8 MS 1K	1907.4884	0.0	0.501	
102529A8 MSD 1K	1898.6398	0.0	0.498	
102529A7 1K	825.5031	0.0	0.224	
102529A8	958.9757	99.0	2.467	
102655B6	104.1345	99.0	0.279	
102655B7	134.5684	99.0	0.357	
102747A1	14.7104	9.0	0.389	
102747A2	13.9399	9.0	0.369	
102747A3	10.0359	9.0	0.269	
CCV-NH3	0.9903	0.0	0.266	
CCB-NH3	-0.0043	0.0	0.011	Test limit low
CCV-NH3	1.0409	0.0	0.279	
CCB-NH3	-0.0067	0.0	0.011	Test limit low
102655B8	143.3896	99.0	0.379	
CCV-NH3	1.0271	0.0	0.275	
CCB-NH3	-0.0067	0.0	0.011	Test limit low
LLCS NH3	0.0473	0.0	0.024	
CCV-NH3	1.0072	0.0	0.270	
CCB-NH3	-0.0062	0.0	0.011	Test limit low

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response
N	170		
Mean	122.4166		
SD	306.64377		
CV%	250.49		

TestAmerica Savannah
Konelab 1

Date : 7/1/2014
Time : 10:24

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
ICB NH3	-0.0026	0.012	6/30/2014 16:09		0.002
ICV NH3	1.0480	0.281	6/30/2014 16:09		0.001
LCS-NH3	1.0064	0.270	6/30/2014 16:09		0.001
CCV-NH3	1.0493	0.281	6/30/2014 16:28		0.001
CCB-NH3	-0.0077	0.010	6/30/2014 16:28		0.002
MB 336891/1-A	-0.0118	0.009	6/30/2014 16:28		0.001
LCS 336891/2-A	1.0291	0.276	6/30/2014 16:28		0.001
400-92600G1A	0.3760	0.108	6/30/2014 16:28		0.001
640-48369C1A	1.1948	0.318	6/30/2014 16:28		0.001
660-61338B4A	0.2044	0.065	6/30/2014 16:28		0.001
CCV-NH3	1.0036	0.269	6/30/2014 16:33		0.001
CCB-NH3	-0.0087	0.010	6/30/2014 16:33		0.002
102760H1A	6.6043	0.350	6/30/2014 16:37	1+4.0	0.001
102760H1B MS	7.2318	0.382	6/30/2014 16:37	1+4.0	0.001
102760H1C MSD	7.8662	0.415	6/30/2014 16:37	1+4.0	0.001
CCV-NH3	1.0459	0.280	6/30/2014 16:57		0.002
CCB-NH3	-0.0110	0.009	6/30/2014 16:57		0.001
LLCS NH3	0.0319	0.020	6/30/2014 16:57		0.002
LLCS 336891/3-A	0.0319	0.020	6/30/2014 16:57		0.001
CCV-NH3	1.0448	0.280	6/30/2014 16:59		0.001
CCB-NH3	-0.0089	0.010	6/30/2014 16:59		0.002
CCV-NH3	1.0432	0.279	6/30/2014 17:56		0.001
CCB-NH3	-0.0074	0.010	6/30/2014 17:56		0.001
CCV-NH3	1.0312	0.276	6/30/2014 18:25		0.001
CCB-NH3	-0.0084	0.010	6/30/2014 18:25		0.001
660-61357I5	0.1018	0.038	6/30/2014 18:25		0.004
660-61362A1	0.1194	0.043	6/30/2014 18:25		0.213
660-61364A1	0.2374	0.073	6/30/2014 18:25		0.169
660-61369F1	0.1139	0.041	6/30/2014 18:34		0.002
660-61369B2	0.1360	0.047	6/30/2014 18:34		0.002
660-61382A1	0.1644	0.054	6/30/2014 18:34		0.003
660-61382A2	0.0983	0.037	6/30/2014 18:34		0.004
660-61382I3	0.1088	0.040	6/30/2014 18:34		0.002
660-61382I4	0.0683	0.030	6/30/2014 18:34		0.002
660-61384A1	0.1147	0.042	6/30/2014 18:34		0.201
CCV-NH3	1.0215	0.274	6/30/2014 18:34		0.001
CCB-NH3	-0.0077	0.010	6/30/2014 18:34		0.001
660-61385B1	0.1465	0.050	6/30/2014 18:34		0.171
102655B1	0.3032	0.090	6/30/2014 18:34		0.002
102655B1 MS	1.4642	0.387	6/30/2014 18:34		0.003
102655B1 MSD	1.4974	0.396	6/30/2014 18:44		0.003
102655B2	0.1012	0.038	6/30/2014 18:44		0.003
102655B2 DU	0.0879	0.035	6/30/2014 18:44		0.002
102655B3	0.1557	0.052	6/30/2014 18:44		0.002
102655B4	0.1079	0.040	6/30/2014 18:44		0.002
102655D5	0.9337	0.251	6/30/2014 18:44		0.003
102692C4	0.1043	0.039	6/30/2014 18:44		0.002
CCV-NH3	1.0249	0.275	6/30/2014 18:44		0.001
CCB-NH3	-0.0069	0.010	6/30/2014 18:44		0.001
102692C5	0.2062	0.065	6/30/2014 18:44		0.002
102692C6	0.1250	0.044	6/30/2014 18:44		0.002
102782C1	0.1242	0.044	6/30/2014 18:44		0.002
102782C2	0.0827	0.033	6/30/2014 18:48		0.003
102616B15	146.4973	0.387	6/30/2014 18:58	1+99.0	0.001
102710-E-1	2.0376	0.273	6/30/2014 18:58	1+1.0	0.002
CCV-NH3	1.0508	0.281	6/30/2014 19:08		0.002

TestAmerica Savannah
Konelab 1

Date : 7/1/2014
Time : 10:24

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCB-NH3	0.0028	0.013	6/30/2014 19:08		0.001
CCV-NH3	1.0394	0.278	6/30/2014 19:55		0.003
CCB-NH3	-0.0035	0.011	6/30/2014 19:55		0.002
CCV-NH3	1.0336	0.277	7/1/2014 9:00		0.003
CCB-NH3	-0.0015	0.012	7/1/2014 9:00		0.003
660-61336C1	0.2733	0.082	7/1/2014 9:00		0.003
660-61336C1 DU	0.1969	0.063	7/1/2014 9:00		0.003
660-61357I1	-0.0009	0.012	7/1/2014 9:00		0.003
660-61336C2	0.2849	0.085	7/1/2014 9:00		0.002
660-61357I2	0.4254	0.121	7/1/2014 9:00		0.004
660-61357I3	0.4153	0.119	7/1/2014 9:00		0.003
660-61357I4	0.2480	0.076	7/1/2014 9:00		0.003
102782C3	0.2122	0.067	7/1/2014 9:00		0.002
102782C4	0.3850	0.111	7/1/2014 9:00		0.003
102782C5	0.2467	0.075	7/1/2014 9:00		0.003
CCV-NH3	1.0413	0.279	7/1/2014 9:08		0.003
CCB-NH3	-0.0061	0.011	7/1/2014 9:08		0.003
102529A8 1K	841.0362	0.228	7/1/2014 9:08		0.003
102529A8 MS 1K	2e+003	0.501	7/1/2014 9:08		0.003
102529A8 MSD 1K	2e+003	0.498	7/1/2014 9:08		0.003
102529A7 1K	825.5031	0.224	7/1/2014 9:08		0.003
102655B6	104.1345	0.279	7/1/2014 9:18	1+99.0	0.003
102655B7	134.5684	0.357	7/1/2014 9:18	1+99.0	0.003
102747A1	14.7104	0.389	7/1/2014 9:18	1+9.0	0.005
102747A2	13.9399	0.369	7/1/2014 9:18	1+9.0	0.006
102747A3	10.0359	0.269	7/1/2014 9:18	1+9.0	0.006
CCV-NH3	0.9903	0.266	7/1/2014 9:23		0.003
CCB-NH3	-0.0043	0.011	7/1/2014 9:23		0.003
CCV-NH3	1.0409	0.279	7/1/2014 9:26		0.003
CCB-NH3	-0.0067	0.011	7/1/2014 9:26		0.003
102655B8	143.3896	0.379	7/1/2014 9:26	1+99.0	0.003
CCV-NH3	1.0271	0.275	7/1/2014 9:45		0.003
CCB-NH3	-0.0067	0.011	7/1/2014 9:45		0.003
LLCS NH3	0.0473	0.024	7/1/2014 9:45		0.003
CCV-NH3	1.0072	0.270	7/1/2014 9:46		0.003
CCB-NH3	-0.0062	0.011	7/1/2014 9:46		0.003

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

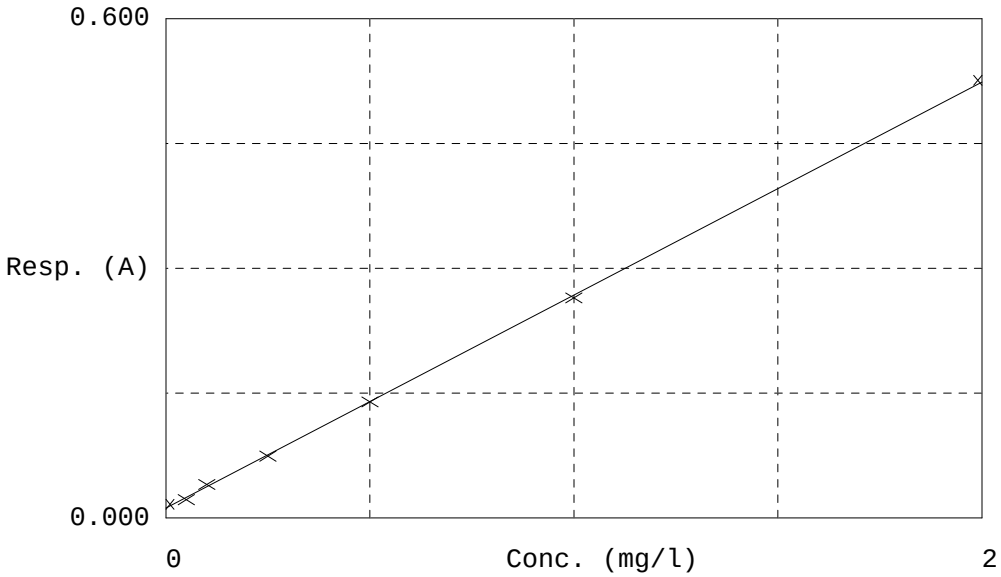
Test Ammonia

Accepted 6/30/2014 16:09

Factor 3.906
Bias 0.012

Coeff. of det. 0.999745

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.016	0.01646	0.00000	
2	NH3-0.050	0.022	0.03862	0.05000	
3	NH3-0.10	0.040	0.10965	0.10000	
4	NH3-0.25	0.074	0.24305	0.25000	
5	NH3-0.50	0.140	0.49796	0.50000	
6	NH3-1.0	0.265	0.98617	1.00000	
7	NH3-2.0	0.526	2.00810	2.00000	
8	ICB NH3(control	0.012	-0.00261	0.00000	Test limit low
9	ICV NH3(control	0.281	1.04798	1.00000	
10	LCS-NH3(control	0.270	1.00641	1.00000	

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	0.9392	0.0	0.269	
CCB-NH3	-0.0500	0.0	0.010	Test limit low, Rule 1 vi
LLCS NH3	-0.0512	0.0	0.010	Test limit low
MB 336891/1-A	-0.0487	0.0	0.010	Test limit low
LCS 336891/2-A	0.9315	0.0	0.267	
LLCS 336891/3-A	-0.0330	0.0	0.015	Test limit low
102760H1A	6.0626	0.0	1.613	
102760H1B MS	6.4930	0.0	1.726	
102760H1C MSD	6.9389	0.0	1.842	
400-92600G1A	0.3518	0.0	0.116	
640-48369C1A	1.1045	0.0	0.313	
660-61338B4A	0.1535	0.0	0.064	
CCV-NH3	0.9302	0.0	0.267	
CCB-NH3	-0.0512	0.0	0.010	Test limit low, Rule 1 vi
CCV-NH3	0.9506	0.0	0.272	
CCB-NH3	-0.0472	0.0	0.011	Test limit low, Rule 1 vi
LLCS NH3	-0.0549	0.0	0.009	Test limit low
MB 336891/1-A	-0.0154	0.0	0.019	Test limit low
LCS 336891/2-A	0.9328	0.0	0.268	
LLCS 336891/3-A	-0.0523	0.0	0.010	Test limit low
400-92600G1A	0.3110	0.0	0.105	
640-48369C1A	1.0968	0.0	0.311	
660-61338B4A	0.1506	0.0	0.063	
CCV-NH3	0.9055	0.0	0.261	
CCB-NH3	-0.0505	0.0	0.010	Test limit low, Rule 1 vi
102760H1A	6.1984	4.0	0.348	
102760H1B MS	8.6053	4.0	0.474	
102760H1C MSD	7.1186	4.0	0.397	
ICB NH3	-0.0026	0.0	0.012	Test limit low
ICV NH3	1.0480	0.0	0.281	
LCS-NH3	1.0064	0.0	0.270	
CCV-NH3	1.0493	0.0	0.281	
CCB-NH3	-0.0077	0.0	0.010	Test limit low
LLCS NH3	-0.0090	0.0	0.010	Test limit low
MB 336891/1-A	-0.0118	0.0	0.009	Test limit low
LCS 336891/2-A	1.0291	0.0	0.276	
LLCS 336891/3-A	-0.0138	0.0	0.009	Test limit low
400-92600G1A	0.3760	0.0	0.108	
640-48369C1A	1.1948	0.0	0.318	
660-61338B4A	0.2044	0.0	0.065	
CCV-NH3	1.0036	0.0	0.269	
CCB-NH3	-0.0087	0.0	0.010	Test limit low
102760H1A	6.6043	4.0	0.350	
102760H1B MS	7.2318	4.0	0.382	
102760H1C MSD	7.8662	4.0	0.415	
CCV-NH3	1.0459	0.0	0.280	
CCB-NH3	-0.0110	0.0	0.009	Test limit low
LLCS NH3	0.0319	0.0	0.020	
LLCS 336891/3-A	0.0319	0.0	0.020	
CCV-NH3	1.0448	0.0	0.280	
CCB-NH3	-0.0089	0.0	0.010	Test limit low
CCV-NH3	1.7055	0.0	0.449	Rule 1 violated
CCB-NH3	2.2313	0.0	0.583	Rule 1 violated
102529A8	39.2012	0.0	10.047	Abs. high
102529A8 MS	39.2007	0.0	10.047	Abs. high
102529A8 MSD	39.2009	0.0	10.047	Abs. high
660-61336C1	3.1286	0.0	0.813	
660-61336C1 DU	0.8731	0.0	0.236	

TestAmerica Savannah
Konelab 1

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61357I1	0.4060	0.0	0.116	
660-61336C2	0.3110	0.0	0.092	
660-61357I2	0.3443	0.0	0.100	
660-61357I3	0.3148	0.0	0.093	
660-61357I4	0.1513	0.0	0.051	
CCV-NH3	1.5250	0.0	0.403	Rule 1 violated
CCB-NH3	0.5885	0.0	0.163	Rule 1 violated
660-61357I5	0.7103	0.0	0.194	
660-61362A1	0.4950	0.0	0.139	
660-61364A1	0.4440	0.0	0.126	
660-61369F1	0.2490	0.0	0.076	
660-61369B2	0.2032	0.0	0.064	
660-61382A1	0.1840	0.0	0.059	
660-61382A2	0.1043	0.0	0.039	
660-61382I3	0.1268	0.0	0.045	
660-61382I4	0.0631	0.0	0.028	
660-61384A1	0.0920	0.0	0.036	
CCV-NH3	1.0850	0.0	0.290	
CCB-NH3	0.1913	0.0	0.061	Rule 1 violated
660-61385B1	0.8486	0.0	0.229	
102529A7	39.1996	0.0	10.047	Abs. high
102616B15	39.1948	0.0	10.046	Abs. high
102655B1	0.9418	0.0	0.253	
102655B1 MS	1.6681	0.0	0.439	
102655B1 MSD	1.5617	0.0	0.412	
102655B2	0.1398	0.0	0.048	
102655B2 DU	0.5667	0.0	0.157	
102655B3	0.1569	0.0	0.052	
102655B4	0.1129	0.0	0.041	
CCV-NH3	1.0810	0.0	0.289	
CCB-NH3	0.0745	0.0	0.031	Rule 1 violated
102655D5	1.2754	0.0	0.339	
102655B6	39.1989	0.0	10.047	Abs. high
102655B7	39.1965	0.0	10.046	Abs. high
102655B8	39.1581	0.0	10.036	Abs. high
102692C4	0.6018	0.0	0.166	
102692C5	0.3391	0.0	0.099	
102692C6	0.1776	0.0	0.058	
102710-E-1	2.0628	0.0	0.540	
102782C1	0.1304	0.0	0.046	
102782C2	0.0805	0.0	0.033	
CCV-NH3	1.0432	0.0	0.279	
CCB-NH3	-0.0074	0.0	0.010	Test limit low
102782C3	0.0578	0.0	0.027	
102782C4	0.2223	0.0	0.069	
102782C5	0.0632	0.0	0.028	
102747A1	13.2685	9.0	0.352	
102747A1	12.6562	4.0	0.660	
102747A1	13.2059	19.0	0.181	
102747A2	12.4630	4.0	0.650	
102747A2	12.9355	9.0	0.343	
102747A2	13.0150	19.0	0.179	
102529A8	78.3978	1.0	10.047	Abs. high
CCV-NH3	2.3258	0.0	0.608	Rule 1 violated
CCB-NH3	0.4162	0.0	0.119	Rule 1 violated
102747A3	10.5871	4.0	0.554	
102747A3	9.9376	9.0	0.267	
102747A3	10.7015	19.0	0.149	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
660-61336C1	0.1642	0.0	0.054	
660-61336C1 DU	0.1183	0.0	0.043	
660-61357I1	0.1027	0.0	0.039	
660-61336C2	0.1906	0.0	0.061	
660-61357I2	0.2896	0.0	0.086	
660-61357I3	0.2856	0.0	0.085	
660-61357I4	0.1383	0.0	0.048	
CCV-NH3	1.0312	0.0	0.276	
CCB-NH3	-0.0084	0.0	0.010	Test limit low
660-61357I5	0.1018	0.0	0.038	
660-61362A1	0.1194	0.0	0.043	
660-61364A1	0.2374	0.0	0.073	
660-61369F1	0.1139	0.0	0.041	
660-61369B2	0.1360	0.0	0.047	
660-61382A1	0.1644	0.0	0.054	
660-61382A2	0.0983	0.0	0.037	
660-61382I3	0.1088	0.0	0.040	
660-61382I4	0.0683	0.0	0.030	
660-61384A1	0.1147	0.0	0.042	
CCV-NH3	1.0215	0.0	0.274	
CCB-NH3	-0.0077	0.0	0.010	Test limit low
660-61385B1	0.1465	0.0	0.050	
102655B1	0.3032	0.0	0.090	
102655B1 MS	1.4642	0.0	0.387	
102655B1 MSD	1.4974	0.0	0.396	
102655B2	0.1012	0.0	0.038	
102655B2 DU	0.0879	0.0	0.035	
102655B3	0.1557	0.0	0.052	
102655B4	0.1079	0.0	0.040	
102655D5	0.9337	0.0	0.251	
102692C4	0.1043	0.0	0.039	
CCV-NH3	1.0249	0.0	0.275	
CCB-NH3	-0.0069	0.0	0.010	Test limit low
102692C5	0.2062	0.0	0.065	
102692C6	0.1250	0.0	0.044	
102782C1	0.1242	0.0	0.044	
102782C2	0.0827	0.0	0.033	
102529A8	922.4208	99.0	2.374	
102529A8 MS	924.5626	99.0	2.379	
102529A8 MSD	912.2841	99.0	2.348	
102529A7	760.1876	99.0	1.958	
102616B15	146.4973	99.0	0.387	
102710-E-1	2.0376	1.0	0.273	
CCV-NH3	1.0508	0.0	0.281	
CCB-NH3	0.0028	0.0	0.013	Test limit low
102655B6	95.3747	99.0	0.256	
102655B7	126.2126	99.0	0.335	
102655B8	172.6445	99.0	0.454	
102529A8	196.0073	4.0	10.047	Abs. high
102529A8	392.0152	9.0	10.048	Abs. high
102529A8	15.9174	19.0	0.216	
102529A8	654.5916	49.0	3.364	
102529A8	931.2780	99.0	2.396	
102529A8 MS	78.4031	1.0	10.048	Abs. high
102529A8 MS	196.0095	4.0	10.048	Abs. high
CCV-NH3	1.0784	0.0	0.288	
CCB-NH3	0.1104	0.0	0.040	Rule 1 violated
102529A8 MS	263.7935	9.0	6.765	Abs. high

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102529A8 MS	358.4138	19.0	4.600	
102529A8 MS	677.4361	49.0	3.481	
102529A8 MS	888.6217	99.0	2.287	
102529A8 MSD	78.3972	1.0	10.047	Abs. high
102529A8 MSD	195.9809	4.0	10.046	Abs. high
102529A8 MSD	236.8435	9.0	6.075	
102529A8 MSD	352.8751	19.0	4.529	
102529A8 MSD	683.0142	49.0	3.509	
102529A8 MSD	918.7734	99.0	2.364	
CCV-NH3	1.1466	0.0	0.306	Rule 1 violated
CCB-NH3	0.4679	0.0	0.132	Rule 1 violated
102529A7	78.4004	1.0	10.047	Abs. high
102529A7	196.0082	4.0	10.048	Abs. high
102529A7	219.4930	9.0	5.631	
102529A7	357.4389	19.0	4.587	
102529A7	588.3702	49.0	3.025	
102529A7	736.7128	99.0	1.898	
CCV-NH3	1.0394	0.0	0.278	
CCB-NH3	-0.0035	0.0	0.011	Test limit low
CCV-NH3	1.0336	0.0	0.277	
CCB-NH3	-0.0015	0.0	0.012	Test limit low
660-61336C1	0.2733	0.0	0.082	
660-61336C1 DU	0.1969	0.0	0.063	
660-61357I1	-0.0009	0.0	0.012	Test limit low
660-61336C2	0.2849	0.0	0.085	
660-61357I2	0.4254	0.0	0.121	
660-61357I3	0.4153	0.0	0.119	
660-61357I4	0.2480	0.0	0.076	
102782C3	0.2122	0.0	0.067	
102782C4	0.3850	0.0	0.111	
102782C5	0.2467	0.0	0.075	
CCV-NH3	1.0413	0.0	0.279	
CCB-NH3	-0.0061	0.0	0.011	Test limit low
102529A8 1K	841.0362	0.0	0.228	
102529A8 MS 1K	1907.4884	0.0	0.501	
102529A8 MSD 1K	1898.6398	0.0	0.498	
102529A7 1K	825.5031	0.0	0.224	
102529A8	958.9757	99.0	2.467	
102655B6	104.1345	99.0	0.279	
102655B7	134.5684	99.0	0.357	
102747A1	14.7104	9.0	0.389	
102747A2	13.9399	9.0	0.369	
102747A3	10.0359	9.0	0.269	
CCV-NH3	0.9903	0.0	0.266	
CCB-NH3	-0.0043	0.0	0.011	Test limit low
CCV-NH3	1.0409	0.0	0.279	
CCB-NH3	-0.0067	0.0	0.011	Test limit low
102655B8	143.3896	99.0	0.379	
CCV-NH3	1.0271	0.0	0.275	
CCB-NH3	-0.0067	0.0	0.011	Test limit low
LLCS NH3	0.0473	0.0	0.024	
CCV-NH3	1.0072	0.0	0.270	
CCB-NH3	-0.0062	0.0	0.011	Test limit low

TestAmerica Savannah
Konelab 1

7/1/2014 10:24

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response

N	170
Mean	122.4166
SD	306.64377
CV%	250.49

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

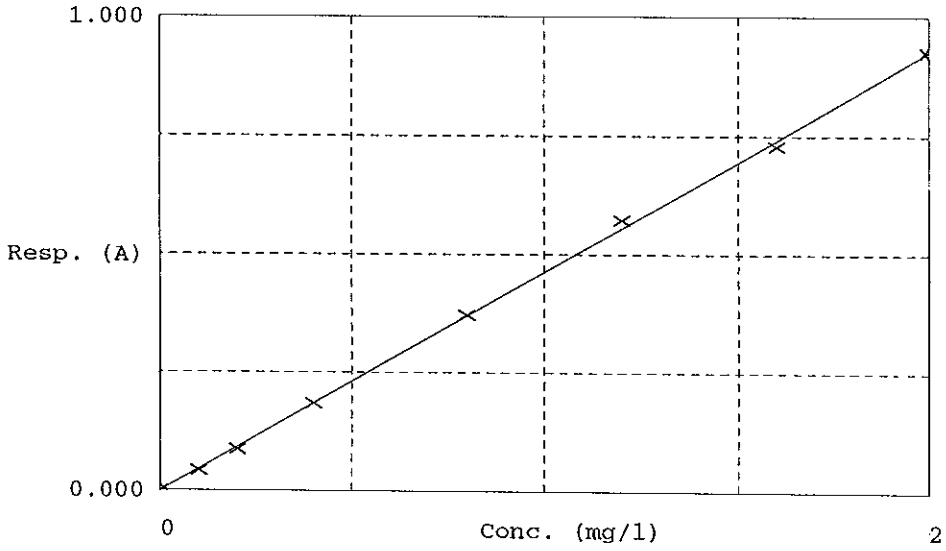
Test Phosphate

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 : 2014-06-24
Time : 18.30

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.125		2014-06-24 13.45	
CCB	0.006		2014-06-24 13.45	
LLCS	0.046		2014-06-24 13.45	
102616G1	0.014		2014-06-24 13.45	
102616G1 MS	1.019		2014-06-24 13.45	
102616G1 MSD	1.035		2014-06-24 13.45	
102616G2	0.015		2014-06-24 13.45	
102616G3	0.014		2014-06-24 13.45	
102616G4	0.015		2014-06-24 13.45	
102616G5	0.009		2014-06-24 13.45	
102616G6	0.015		2014-06-24 13.45	
102616G7	0.016		2014-06-24 13.45	
PO4-CCV	1.137		2014-06-24 13.48	
CCB	0.006		2014-06-24 13.48	
102616G8	0.016		2014-06-24 13.48	
102616G9	0.022		2014-06-24 13.48	
102616G11	0.019		2014-06-24 13.48	
102616-G-13	0.013		2014-06-24 13.48	
102616-G-12	0.004		2014-06-24 13.48	
102616G14	0.009		2014-06-24 13.48	
102616I-15	0.097		2014-06-24 13.48	
PO4-CCV	1.145		2014-06-24 13.49	
CCB	0.007		2014-06-24 13.49	
PO4-CCV	1.152		2014-06-24 14.15	
CCB	0.007		2014-06-24 14.15	
102616G10	0.023		2014-06-24 14.15	R
102616G10 DU	0.024		2014-06-24 14.15	R
PO4-CCV	1.149		2014-06-24 14.16	
CCB	0.008		2014-06-24 14.16	

TestAmerica Savannah
Konelab 2

24.06.2014 18:30

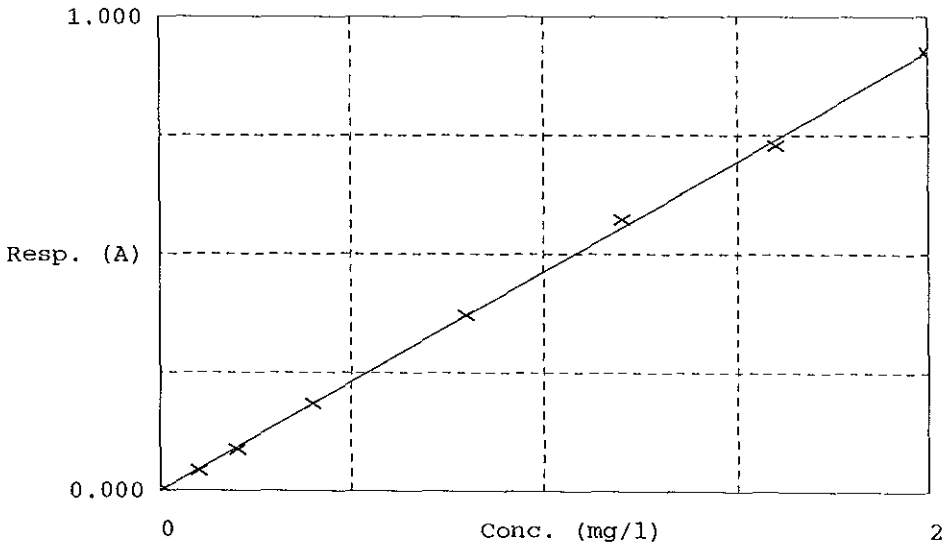
Test Phosphate

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

24.06.2014 18:30

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.125	0.0	0.521	
CCB	0.006	0.0	0.002	Test limit low
LLCS	0.046	0.0	0.021	
102616G1	0.014	0.0	0.006	Test limit low
102616G1 MS	1.019	0.0	0.472	
102616G1 MSD	1.035	0.0	0.479	
102616G2	0.015	0.0	0.006	Test limit low
102616G3	0.014	0.0	0.006	Test limit low
102616G4	0.015	0.0	0.006	Test limit low
102616G5	0.009	0.0	0.003	Test limit low
102616G6	0.015	0.0	0.006	Test limit low
102616G7	0.016	0.0	0.007	Test limit low
PO4-CCV	1.137	0.0	0.526	
CCB	0.006	0.0	0.002	Test limit low
102616G8	0.016	0.0	0.007	
102616G9	0.022	0.0	0.009	
102616G10	0.022	0.0	0.009	
102616G10 DU	0.037	0.0	0.016	
102616G11	0.019	0.0	0.008	
102616-G-13	0.013	0.0	0.005	Test limit low
102616-G-12	0.004	0.0	0.001	Test limit low
102616G14	0.009	0.0	0.003	Test limit low
102616I-15	0.097	0.0	0.044	
PO4-CCV	1.145	0.0	0.530	
CCB	0.007	0.0	0.002	Test limit low
PO4-CCV	1.152	0.0	0.533	
CCB	0.007	0.0	0.002	Test limit low
102616G10	0.023	0.0	0.010	
102616G10 DU	0.024	0.0	0.010	
PO4-CCV	1.149	0.0	0.532	
CCB	0.008	0.0	0.003	Test limit low

N	21
Mean	0.118
SD	0.3028
CV%	255.83

TestAmerica Savannah
Konelab 2

Date : 2014-06-19
Time : 21.00

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-ICB	0.00244		2014-06-19 08.46	
CR6-ICV	0.31801		2014-06-19 08.46	
CR6-CCV	0.20075		2014-06-19 12.45	
CR6-CCB	0.00195		2014-06-19 12.45	
MB 334582/1-A	0.00182		2014-06-19 12.45	
LCS 334582/2-A	0.20685		2014-06-19 12.45	
102335D1G MS	0.38857		2014-06-19 12.45	
CR6-CCV	0.20121		2014-06-19 12.45	
CR6-CCB	0.00151		2014-06-19 12.45	
CR6-CCV	0.20246		2014-06-19 13.21	
CR6-CCB	0.00229		2014-06-19 13.21	
102335D1F MS	3.44807	1+39.0	2014-06-19 13.22	R
CR6-CCV	0.20300		2014-06-19 13.23	
CR6-CCB	0.00217		2014-06-19 13.23	
CR6-CCV	0.19832		2014-06-19 14.16	
CR6-CCB	0.00223		2014-06-19 14.16	
102335D1D 10	0.01913		2014-06-19 14.16	
102335 D1E DU 10	0.01927		2014-06-19 14.16	
102335D1D PDS 10	1.89067		2014-06-19 14.16	
CR6-CCV	0.20219		2014-06-19 14.17	
CR6-CCB	0.00151		2014-06-19 14.17	
CR6-CCV	0.20425		2014-06-19 15.11	
CR6-CCB	0.00274		2014-06-19 15.11	
MB 335024/1-A	0.00258		2014-06-19 15.11	
LCS 335024/2-A	0.20260		2014-06-19 15.11	
102433 1A	0.00129		2014-06-19 15.11	
CR6-CCV	0.20381		2014-06-19 15.11	
CR6-CCB	0.00198		2014-06-19 15.11	
102433C1D MS	0.78126	1+39.0	2014-06-19 15.23	R
CR6-CCV	0.20380		2014-06-19 15.24	
CR6-CCB	0.00210		2014-06-19 15.24	
CR6-CCV	0.20346		2014-06-19 16.10	
CR6-CCB	0.00246		2014-06-19 16.10	
102433C1A 10	0.02375		2014-06-19 16.10	R
102433C1B DU 10	0.02097		2014-06-19 16.10	R
102433C1A 10 PDS	1.71878		2014-06-19 16.10	R
CR6-CCV	0.20336		2014-06-19 16.11	
CR6-CCB	0.00252		2014-06-19 16.11	
CR6-CCV	0.20906		2014-06-19 19.21	
CR6-CCB	0.00235		2014-06-19 19.21	
102506A1	0.01837		2014-06-19 19.21	
102506A2	0.00742		2014-06-19 19.21	
CR6-CCV	0.20860		2014-06-19 19.22	
CR6-CCB	0.00226		2014-06-19 19.22	
CR6-CCV	0.20930		2014-06-19 19.46	
CR6-CCB	0.00235		2014-06-19 19.46	
102506A1 MS	0.20407		2014-06-19 19.46	R
102506A1 MSD	0.20200		2014-06-19 19.46	R
CR6-CCV	0.20978		2014-06-19 19.47	
CR6-CCB	0.00213		2014-06-19 19.47	

TestAmerica Savannah
Konelab 2

19.06.2014 21:00

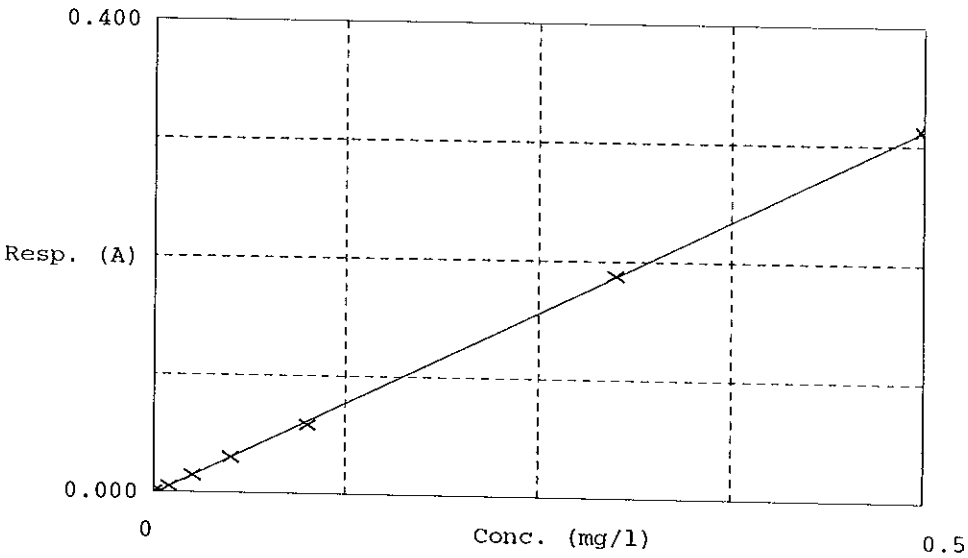
Test CR+6

Accepted 19.06.2014 08:55

Factor 1.592
Bias -0.001

Coeff. of det. 0.999853

Error QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002576	0.000000	
2	CR6-2	0.005	0.009839	0.010000	
3	CR6-3	0.015	0.025371	0.025000	
4	CR6-4	0.030	0.050210	0.050000	
5	CR6-5	0.059	0.095380	0.100000	
6	CR6-6	0.188	0.301843	0.300000	
7	CR6-7	0.313	0.499782	0.500000	
8	CR6-ICB(control	0.000	0.002441	0.000000	Test limit low
9	CR6-ICV(control	0.198	0.318014	0.300000	

TestAmerica Savannah
Konelab 2

1[illegible].0[illegible] 2014 21:00

Test: CR+6

Sample	Id	Result	Dil. 1 +	Response	Errors
C[illegible]6-[illegible]3		0.00244	0.0	0.000	Test limit low
C[illegible]6-[illegible]7		0.31801	0.0	0.198	
C[illegible]6-[illegible]7		0.20075	0.0	0.125	
C[illegible]6-[illegible]3		0.00195	0.0	-0.000	Test limit low
M[illegible]3[illegible]582/1-A		0.00182	0.0	-0.000	Test limit low
L[illegible]3[illegible]582/2-A		0.20685	0.0	0.129	
1[illegible]3[illegible]	1D	-0.00035	0.0	-0.002	Test limit low
1[illegible]3[illegible]	1E DU	-0.00058	0.0	-0.002	Test limit low
1[illegible]3[illegible]	1D PDS	0.12289	0.0	0.076	
1[illegible]23[illegible]	1F MS	15.93701	0.0	10.010	Abs. high, Test limit hig
1[illegible]23	1G MS	0.38857	0.0	0.243	
C[illegible]6-[illegible]7		0.20121	0.0	0.125	
C[illegible]6-[illegible]3		0.00151	0.0	-0.000	Test limit low
1[illegible]3[illegible]	1F MS	15.93756	0.0	10.010	Abs. high, Test limit hig
C[illegible]6-[illegible]7		0.20229	0.0	0.126	
C[illegible]6-[illegible]3		0.00233	0.0	0.000	Test limit low
C[illegible]6-[illegible]7		0.20246	0.0	0.126	
C[illegible]6-[illegible]		0.00229	0.0	0.000	Test limit low
1[illegible]3[illegible]	1D 10	0.00190	0.0	-0.000	Test limit low
1[illegible]3[illegible]	1E DU 10	0.19492	0.0	0.121	
1[illegible]3[illegible]	1D PDS 10	0.19428	0.0	0.121	
1[illegible]3[illegible]	1F MS	3.44807	39.0	0.053	Test limit high
C[illegible]6-[illegible]7		0.20300	0.0	0.126	
C[illegible]6-[illegible]3		0.00217	0.0	-0.000	Test limit low
C[illegible]6-[illegible]7		0.20320	0.0	0.126	
C[illegible]		0.00232	0.0	0.000	Test limit low
1[illegible]	1D 10	0.01420	0.0	-0.001	Test limit low
1[illegible]	1E DU 10	0.00965	0.0	-0.001	Test limit low
1[illegible]3	1D PDS 10	0.01845	0.0	-0.000	Test limit low
C[illegible]		0.20327	0.0	0.126	
C[illegible]		0.00239	0.0	0.000	Test limit low
C[illegible]		0.19832	0.0	0.123	
C[illegible]		0.00223	0.0	0.000	Test limit low
1[illegible]	1D 10	0.01913	0.0	-0.000	Test limit low
1[illegible]3	1E DU 10	0.01927	0.0	-0.000	Test limit low
1[illegible]	1D PDS 10	1.89067	0.0	0.117	
C[illegible]		0.20219	0.0	0.126	
C[illegible]		0.00151	0.0	-0.000	Test limit low
C[illegible]		0.20425	0.0	0.127	
C[illegible]		0.00274	0.0	0.000	Test limit low
B[illegible]	24/1-A	0.00258	0.0	0.000	Test limit low
B[illegible]	024/2-A	0.20260	0.0	0.126	
3[illegible]4	1A	0.00129	0.0	-0.001	Test limit low
3[illegible]4	1B DU	0.00136	0.0	-0.001	Test limit low
3[illegible]4	1A PDS	0.00159	0.0	-0.000	Test limit low
3[illegible]4	1C MS	0.00022	0.0	-0.001	Test limit low
3[illegible]4	1D MS	2.85445	0.0	1.792	Test limit high
C[illegible]		0.20381	0.0	0.127	
C[illegible]		0.00198	0.0	-0.000	Test limit low
3[illegible]4	1D MS	0.78126	39.0	0.011	Test limit high
C[illegible]		0.20380	0.0	0.127	
C[illegible]4		0.00210	0.0	-0.000	Test limit low
C[illegible]		-	0.0	-	Aut. rejected, Batch inco
C[illegible]		-	0.0	-	Aut. rejected, Batch inco
C[illegible]		0.00197	0.0	-0.000	Test limit low, Batch inc
3[illegible]	1A 10	0.01908	0.0	-0.000	Test limit low
3[illegible]	1B DU 10	0.01722	0.0	-0.000	Test limit low
3[illegible]3	1A 10 PDS	1.23836	0.0	0.076	
C[illegible]		0.20346	0.0	0.126	
C[illegible]		0.00246	0.0	0.000	Test limit low
3[illegible]4	1A 10	0.02375	0.0	0.000	Test limit low
3[illegible]4	1B DU 10	0.02097	0.0	-0.000	Test limit low

TestAmerica Savannah
Konelab 2

014 21:00

CR+6

Id	Result	Dil. 1 +	Response	Errors
1A 10 PDS	1.71878	0.0	0.107	
	0.20336	0.0	0.126	
	0.00252	0.0	0.000	Test limit low
	0.20906	0.0	0.130	
	0.00235	0.0	0.000	Test limit low
1	0.01837	0.0	0.010	
1 MS	0.27265	0.0	0.170	
1 MSD	0.26485	0.0	0.165	
2	0.00742	0.0	0.003	
	0.20860	0.0	0.130	
	0.00226	0.0	0.000	Test limit low
	0.20930	0.0	0.130	
	0.00235	0.0	0.000	Test limit low
1 MS	0.20407	0.0	0.127	
1 MSD	0.20200	0.0	0.125	
	0.20978	0.0	0.130	
	0.00213	0.0	-0.000	Test limit low
D1E DU 10	-	0.0	-	
ID 10	-	0.0	-	

38
1.21729
3.605368
296.18

TestAmerica Savannah
Konelab 2

Date : 2014-06-24
Time : 18.28

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-CCV	0.19806		2014-06-24 12.20	
CR6-CCB	0.00206		2014-06-24 12.20	
102616G12	0.00263		2014-06-24 12.20	
102616G12 MS	0.19384		2014-06-24 12.20	
102616G12 MSD	0.19022		2014-06-24 12.20	
102616G13	0.00094		2014-06-24 12.20	
102616I15	0.01851		2014-06-24 12.20	
CR6-CCV	0.19877		2014-06-24 12.21	
CR6-CCB	0.00193		2014-06-24 12.21	
CR6-CCV	0.20275		2014-06-24 17.18	
CR6-CCB	0.00235		2014-06-24 17.18	
102647F1	0.00229		2014-06-24 17.18	
102647F2	-0.08383		2014-06-24 17.18	
102647F3	0.00243		2014-06-24 17.18	
102647F4	0.00209		2014-06-24 17.18	
CR6-CCV	0.20188		2014-06-24 17.19	
CR6-CCB	0.00237		2014-06-24 17.19	

TestAmerica Savannah
Konelab 2

24.06.2014 18:28

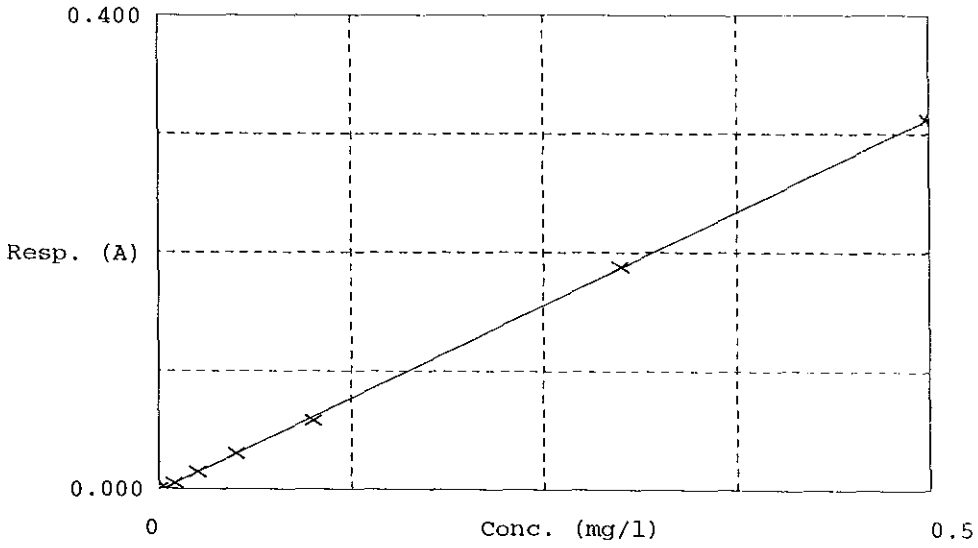
Test CR+6

Accepted 19.06.2014 08:55

Factor 1.592
Bias -0.001

Coeff. of det. 0.999853

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002576	0.000000	
2	CR6-2	0.005	0.009839	0.010000	
3	CR6-3	0.015	0.025371	0.025000	
4	CR6-4	0.030	0.050210	0.050000	
5	CR6-5	0.059	0.095380	0.100000	
6	CR6-6	0.188	0.301843	0.300000	
7	CR6-7	0.313	0.499782	0.500000	

TestAmerica Savannah
Konelab 2

24.06.2014 18:28

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCV	0.19806	0.0	0.123	
CR6-CCB	0.00206	0.0	-0.000	Test limit low
102616G12	0.00263	0.0	0.000	Test limit low
102616G12 MS	0.19384	0.0	0.120	
102616G12 MSD	0.19022	0.0	0.118	
102616G13	0.00094	0.0	-0.001	Test limit low
102616I15	0.01851	0.0	0.010	
CR6-CCV	0.19877	0.0	0.123	
CR6-CCB	0.00193	0.0	-0.000	Test limit low
CR6-CCV	0.20275	0.0	0.126	
CR6-CCB	0.00235	0.0	0.000	Test limit low
102647F1	0.00229	0.0	0.000	Test limit low
102647F2	-0.08383	0.0	-0.054	Test limit low
102647F3	0.00243	0.0	0.000	Test limit low
102647F4	0.00209	0.0	-0.000	Test limit low
CR6-CCV	0.20188	0.0	0.125	
CR6-CCB	0.00237	0.0	0.000	Test limit low

N	9
Mean	0.03657
SD	0.092947
CV%	254.17

PC-TitratION PLUS

Water Analysis Report

Run Number 6923 **Order Number** 20140630-2

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	6/30/2014	1:45 PM	259.00	.00	0.0039	7.77	.00	108.92	108.29	.60	.03	-1.00	23.25	-1.00	3.68	-1.00	0.000	2.723	2.793
DI	6/30/2014	1:51 PM	.00	.00	-0.5747	5.84	.00	.27	.27	.00	.00	-1.00	24.44	-1.00	.77	-1.00	0.000	0.040	0.072
ph icv	6/30/2014	1:55 PM	-1.00	-1.00	-1.0000	7.04	-1.00	-1.00	-1.00	.00	.01	-1.00	23.80	-1.00	-.18	-1.00	-1.000	-1.000	-1.000
di	6/30/2014	2:01 PM	.00	.00	-1.0989	6.32	.00	.67	.67	.00	.00	-1.00	24.44	-1.00	.65	-1.00	0.000	0.052	0.088
mb	6/30/2014	2:07 PM	.00	.00	-0.6410	5.69	.00	.10	.10	.00	.00	-1.00	24.39	-1.00	.42	-1.00	0.000	0.037	0.071
lcs	6/30/2014	2:14 PM	558.00	.00	0.0018	10.52	122.37	244.40	55.93	172.10	16.37	-1.00	23.73	-1.00	.00	-1.00	3.059	6.110	6.177
490-56057-C-8	6/30/2014	2:21 PM	7.87	.00	0.1271	6.06	.00	2.39	2.39	.00	.00	-1.00	23.36	-1.00	4.15	-1.00	0.000	0.090	0.120
490-56057-C-7	6/30/2014	2:27 PM	8.25	.00	0.1212	5.85	.00	1.51	1.51	.00	.00	-1.00	22.96	-1.00	4.30	-1.00	0.000	0.067	0.096
490-56057-C-6	6/30/2014	2:34 PM	6.69	.00	0.1495	5.82	.00	1.37	1.37	.00	.00	-1.00	22.81	-1.00	4.14	-1.00	0.000	0.063	0.092
490-56057-C-4	6/30/2014	2:40 PM	11.32	.00	0.0883	5.92	.00	2.11	2.11	.00	.00	-1.00	22.81	-1.00	5.06	-1.00	0.000	0.083	0.114
490-56057-C-2	6/30/2014	2:47 PM	8.58	.00	0.1166	5.92	.00	1.46	1.46	.00	.00	-1.00	23.12	-1.00	3.53	-1.00	0.000	0.064	0.092
490-56057-C-3	6/30/2014	2:53 PM	17.49	.00	0.0572	5.97	.00	2.87	2.87	.00	.00	-1.00	23.52	-1.00	6.13	-1.00	0.000	0.109	0.147
680-102587-A-30	6/30/2014	3:01 PM	1,107.00	.00	0.0009	7.74	.00	342.32	340.54	1.75	.03	-1.00	23.46	-1.00	12.45	-1.00	0.000	8.558	8.656
680-102587-A-30du	6/30/2014	3:09 PM	1,103.00	.00	0.0009	7.78	.00	334.01	332.10	1.88	.03	-1.00	23.70	-1.00	11.05	-1.00	0.000	8.350	8.446
CCVph	6/30/2014	3:13 PM	-1.00	-1.00	-1.0000	7.05	-1.00	-1.00	-1.00	.00	.01	-1.00	24.10	-1.00	-.18	-1.00	-1.000	-1.000	-1.000
680-102616-A-6	6/30/2014	3:20 PM	430.00	.00	0.0023	8.08	.00	201.96	199.64	2.26	.06	-1.00	23.88	-1.00	3.32	-1.00	0.000	5.049	5.124
680-102616-A-3	6/30/2014	3:27 PM	932.00	.00	0.0011	8.02	.00	202.52	200.50	1.97	.05	-1.00	23.86	-1.00	3.84	-1.00	0.000	5.063	5.134
680-102616-A-4	6/30/2014	3:34 PM	1,538.00	.00	0.0007	8.02	.00	223.21	221.00	2.16	.05	-1.00	23.83	-1.00	4.25	-1.00	0.000	5.580	5.662
680-102616-A-1	6/30/2014	3:42 PM	1,008.00	.00	0.0010	7.99	.00	223.93	221.85	2.03	.05	-1.00	23.78	-1.00	4.56	-1.00	0.000	5.598	5.678
680-102616-A-5	6/30/2014	3:49 PM	325.00	.00	0.0031	8.06	.00	159.44	157.68	1.70	.06	-1.00	23.91	-1.00	2.75	-1.00	0.000	3.986	4.057
680-102587-A-39	6/30/2014	4:02 PM	2,600.00	.00	0.0004	7.25	.00	994.81	993.16	1.65	.01	-1.00	23.92	-1.00	112.53	-1.00	0.000	24.870	25.345
680-102581-F-1	6/30/2014	4:08 PM	80.20	.00	0.0125	6.53	.00	10.34	10.34	.00	.00	-1.00	24.14	-1.00	6.17	-1.00	0.000	0.297	0.335
680-102616-A-2	6/30/2014	4:15 PM	1,525.00	.00	0.0007	8.00	.00	256.73	254.30	2.38	.05	-1.00	24.14	-1.00	5.10	-1.00	0.000	6.418	6.510
680-102616-A-2du	6/30/2014	4:22 PM	1,529.00	.00	0.0007	8.05	.00	210.59	208.33	2.21	.06	-1.00	24.42	-1.00	3.70	-1.00	0.000	5.265	5.335
CCVph	6/30/2014	4:25 PM	-1.00	-1.00	-1.0000	7.05	-1.00	-1.00	-1.00	.00	.01	-1.00	24.29	-1.00	-.18	-1.00	-1.000	-1.000	-1.000
LCSD	6/30/2014	4:34 PM	556.00	.00	0.0018	10.43	102.00	219.54	58.25	147.79	13.50	-1.00	24.19	-1.00	.00	-1.00	2.550	5.488	5.541

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PC-TitratION PLUS
Calibration Report

Calibration Record # 2253

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	6/30/2014	
Channel	1	Time	11:40 AM	
Probe Type	pH	Temperature	295.23 K	22.08 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit	

Calibration Results

Slope	-58.652	CorrCoeff	0.9999
Intercept	13.343	Equation: Y = (-58.652) X + (13.343)	

Calibration Validity **True** Operator

	Result	Minimum	Maximum
Slope	-58.652	-65.00	-53.00
Intercept	13.343	-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	190.42
	7.00	11.10
	10.00	-161.49

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Historical Data Report

Run Number 6930 **Order Number** 20140702-3

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	07/02/2014	12:47 PM	280.00	7.73	.00	125.79	125.13	.63	.03	-1.00	-1.00	.00	.00	23.73	4.64	0.000	3.145	3.218
DI	07/02/2014	12:53 PM	.00	5.70	.00	.25	.25	.00	.00	-1.00	-1.00	.00	-.51	23.73	.99	0.000	0.040	0.075
ph icv	07/02/2014	1:05 PM	-1.00	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	23.68	-.20	-1.000	-1.000	-1.000
di	07/02/2014	1:12 PM	.02	6.32	.00	1.16	1.16	.00	.00	-1.00	-1.00	.00	50.00	24.27	1.12	0.000	0.060	0.091
mb	07/02/2014	1:17 PM	.00	5.71	.00	.22	.21	.00	.00	-1.00	-1.00	.00	-.78	24.35	.83	0.000	0.034	0.063
lcs	07/02/2014	1:25 PM	728.00	10.33	117.65	243.14	77.10	155.33	10.72	-1.00	-1.00	.00	.00	24.20	.01	2.941	6.079	6.178
680-102815-D-8	07/02/2014	1:31 PM	148.60	7.38	.00	26.59	26.52	.06	.01	-1.00	-1.00	.00	.01	24.05	2.22	0.000	0.665	0.715
680-102815-D-4	07/02/2014	1:37 PM	151.90	7.41	.00	24.71	24.64	.06	.01	-1.00	-1.00	.00	.01	23.78	1.91	0.000	0.618	0.652
680-102815-D-10	07/02/2014	1:44 PM	143.10	7.40	.00	22.91	22.84	.05	.01	-1.00	-1.00	.00	.01	23.76	1.83	0.000	0.573	0.608
680-102815-D-5	07/02/2014	1:51 PM	122.50	7.41	.00	24.05	23.98	.06	.01	-1.00	-1.00	.00	.01	23.84	1.86	0.000	0.601	0.638
680-102629-A-4	07/02/2014	1:58 PM	986.00	7.87	.00	365.94	363.35	2.55	.04	-1.00	-1.00	.00	.00	23.96	9.73	0.000	9.149	9.262
680-102629-A-5	07/02/2014	2:05 PM	155.20	7.31	.00	47.88	47.78	.09	.01	-1.00	-1.00	.00	.01	24.17	4.72	0.000	1.197	1.243
680-102629-A-6	07/02/2014	2:14 PM	1,144.00	7.74	.00	440.95	438.64	2.29	.03	-1.00	-1.00	.00	.00	24.07	15.80	0.000	11.024	11.150
680-102629-A-6du	07/02/2014	2:22 PM	1,131.00	7.73	.00	395.96	393.92	2.01	.03	-1.00	-1.00	.00	.00	24.22	14.55	0.000	9.899	10.038
CCVph	07/02/2014	2:25 PM	-1.00	7.03	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	24.05	-.19	-1.000	-1.000	-1.000
680-102629-A-13	07/02/2014	2:37 PM	1,509.00	7.83	.00	840.65	835.31	5.31	.03	-1.00	-1.00	.00	.00	23.92	24.72	0.000	21.016	21.204
680-102629-A-12	07/02/2014	2:48 PM	1,512.00	7.70	.00	718.56	715.16	3.38	.03	-1.00	-1.00	.00	.00	24.04	28.48	0.000	17.964	18.126
680-102629-A-20	07/02/2014	3:00 PM	1,460.00	7.69	.00	795.09	791.40	3.67	.02	-1.00	-1.00	.00	.00	24.04	32.12	0.000	19.877	20.067
680-102629-A-16	07/02/2014	3:10 PM	1,347.00	7.72	.00	693.61	690.20	3.38	.03	-1.00	-1.00	.00	.00	24.07	26.46	0.000	17.340	17.521
680-102629-A-3	07/02/2014	3:18 PM	923.00	7.78	.00	282.46	280.84	1.59	.03	-1.00	-1.00	.00	.00	24.42	9.35	0.000	7.061	7.143
680-102629-A-11	07/02/2014	3:28 PM	1,399.00	7.98	.00	648.71	642.83	5.84	.05	-1.00	-1.00	.00	.00	24.67	13.31	0.000	16.218	16.382
680-102629-A-14	07/02/2014	3:39 PM	1,435.00	7.77	.00	745.29	741.17	4.08	.03	-1.00	-1.00	.00	.00	24.59	25.30	0.000	18.632	18.804
680-102629-A-15	07/02/2014	3:50 PM	1,377.00	7.75	.00	691.96	688.33	3.60	.03	-1.00	-1.00	.00	.00	24.45	24.73	0.000	17.299	17.454
680-102815-D-6	07/02/2014	3:56 PM	129.80	7.56	.00	24.11	24.01	.08	.02	-1.00	-1.00	.00	.01	24.39	1.31	0.000	0.603	0.641
680-102815-D-6du	07/02/2014	4:03 PM	127.60	7.54	.00	22.44	22.35	.07	.02	-1.00	-1.00	.00	.01	24.37	1.29	0.000	0.561	0.597
CCVph	07/02/2014	4:07 PM	-1.00	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	24.35	-.19	-1.000	-1.000	-1.000
680-102815-D-7	07/02/2014	4:14 PM	132.60	7.47	.00	23.59	23.51	.07	.01	-1.00	-1.00	.00	.01	24.30	1.58	0.000	0.590	0.623

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Run Number 6930 **Order Number** 20140702-3

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
680-102616-A-8	07/02/2014	4:21 PM	1,630.00	7.96	.00	230.02	228.02	1.95	.05	-1.00	-1.00	.00	.00	24.29	5.01	0.000	5.751	5.833
680-102616-A-7	07/02/2014	4:27 PM	1,580.00	7.97	.00	220.43	218.46	1.92	.05	-1.00	-1.00	.00	.00	24.30	4.66	0.000	5.511	5.591
680-102774-C-4	07/02/2014	4:34 PM	599.00	7.15	.00	8.57	8.55	.01	.01	-1.00	-1.00	.00	.00	24.60	1.21	0.000	0.250	0.286
CCVph	07/02/2014	4:38 PM	-1.00	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	24.55	-.19	-1.000	-1.000	-1.000
LCSD	07/02/2014	4:47 PM	590.00	10.36	111.28	246.97	74.37	161.08	11.52	-1.00	-1.00	.00	.00	24.37	.01	2.782	6.174	6.234

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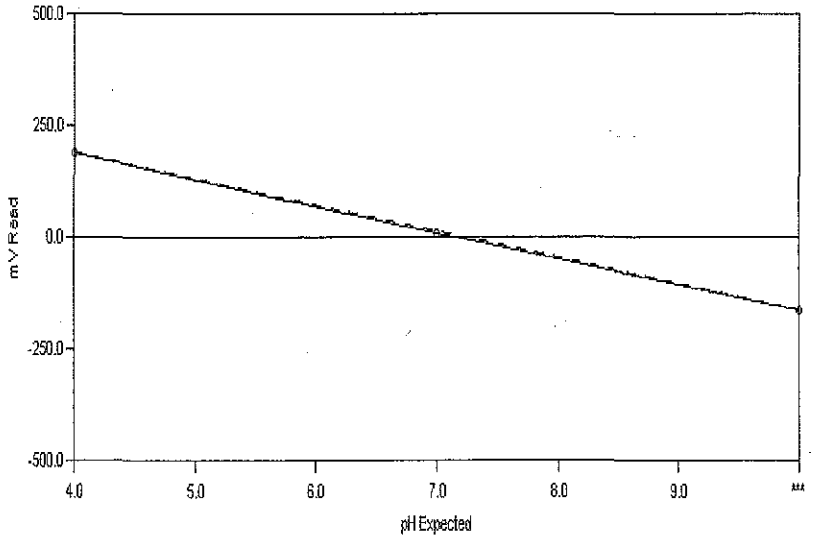
PC-TitratION PLUS
Calibration Report

Calibration Record # 2255



Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	07/02/2014
Channel	1	Time	1:02 PM
Probe Type	pH	Temperature	296.69 K 23.54 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit

Calibration Results

Slope	-58.755	CorrCoeff	0.9999
Intercept	11.227	Equation:	Y = (-58.755) X + (11.227)

Calibration Validity **True** Operator

	Result	Minimum	Maximum
Slope	-58.755	-65.00	-53.00
Intercept	11.227	-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	188.59
	7.00	9.03
	10.00	-163.94

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Historical Data Report

Run Number 6933 **Order Number** 20140703-3

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	07/03/2014	8:12 PM	304.00	7.75	.00	130.14	129.42	.69	.03	-1.00	-1.00	.00	.00	27.14	4.56	0.000	3.253	3.317
DI	07/03/2014	8:17 PM	.00	5.89	.00	.40	.40	.00	.00	-1.00	-1.00	.00	-.64	25.60	1.04	0.000	0.038	0.066
ph icv	07/03/2014	8:21 PM	-1.00	7.00	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	24.74	-.20	-1.000	-1.000	-1.000
di	07/03/2014	8:27 PM	.00	6.35	.00	.84	.84	.00	.00	-1.00	-1.00	.00	-1.28	25.06	.75	0.000	0.052	0.083
mb	07/03/2014	8:33 PM	.00	5.68	.00	.14	.14	.00	.00	-1.00	-1.00	.00	-.66	24.94	.59	0.000	0.035	0.066
lcs	07/03/2014	8:40 PM	673.00	10.42	110.74	226.69	61.84	151.79	13.06	-1.00	-1.00	.00	.00	24.50	.00	2.768	5.667	5.725
680-102616-E-15	07/03/2014	8:55 PM	6,730.00	8.22	.00	1,317.47	1,297.02	20.36	.08	-1.00	-1.00	.00	.00	24.17	15.54	0.000	32.937	33.582
680-102616-A-13	07/03/2014	9:04 PM	2,060.00	7.22	.00	424.74	424.06	.67	.01	-1.00	-1.00	.00	.00	24.54	50.68	0.000	10.618	10.794
680-102616-A-9	07/03/2014	9:12 PM	4,820.00	7.40	.00	343.28	342.47	.80	.01	-1.00	-1.00	.00	.00	24.39	27.44	0.000	8.582	8.711
680-102616-A-11	07/03/2014	9:26 PM	8,410.00	6.91	.00	1,186.93	1,186.01	.91	.00	-1.00	-1.00	.00	.00	24.12	289.23	0.000	29.673	30.156
680-102616-A-10	07/03/2014	9:35 PM	5,300.00	7.50	.00	353.70	352.64	1.04	.02	-1.00	-1.00	.00	.00	23.97	22.45	0.000	8.843	8.943
680-102616-A-12	07/03/2014	9:43 PM	1,988.00	7.72	.00	385.02	383.10	1.89	.03	-1.00	-1.00	.00	.00	23.86	14.57	0.000	9.626	9.739
680-102616-F-14	07/03/2014	9:57 PM	8,940.00	6.77	.00	1,128.35	1,127.73	.63	.00	-1.00	-1.00	.00	.00	23.72	382.21	0.000	28.209	28.703
680-102616-F-14du	07/03/2014	10:10 PM	10,190.00	6.87	.00	1,057.92	1,057.18	.73	.00	-1.00	-1.00	.00	.00	23.59	286.49	0.000	26.448	26.879
CCVph	07/03/2014	10:14 PM	-1.00	7.06	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	23.80	-.17	-1.000	-1.000	-1.000
680-102629-A-2	07/03/2014	10:21 PM	930.00	8.25	.00	249.37	245.23	4.05	.09	-1.00	-1.00	.00	.00	23.75	2.79	0.000	6.234	6.330
680-102655-A-3	07/03/2014	10:29 PM	344.00	8.16	.00	125.57	123.81	1.69	.07	-1.00	-1.00	.00	.00	23.57	1.71	0.000	3.139	3.213
680-102655-A-1	07/03/2014	10:37 PM	1,913.00	7.29	.00	377.70	377.00	.69	.01	-1.00	-1.00	.00	.00	23.39	38.59	0.000	9.443	9.573
680-102655-A-8	07/03/2014	10:51 PM	5,760.00	9.52	396.26	1,093.96	835.30	257.02	1.64	-1.00	-1.00	.00	.00	23.44	.51	9.906	27.349	28.359
680-102655-A-6	07/03/2014	11:03 PM	6,060.00	8.41	26.14	1,002.06	978.48	23.46	.13	-1.00	-1.00	.00	.00	23.31	7.67	0.654	25.051	25.607
680-102655-A-5	07/03/2014	11:14 PM	2,500.00	7.67	.00	595.84	593.19	2.63	.02	-1.00	-1.00	.00	.00	23.07	25.19	0.000	14.896	15.031
680-102655-A-7	07/03/2014	11:27 PM	6,240.00	9.46	405.84	1,132.24	889.11	241.68	1.45	-1.00	-1.00	.00	.00	22.93	.61	10.146	28.306	29.334
680-102655-A-2	07/03/2014	11:34 PM	387.00	8.03	.00	122.16	120.89	1.21	.05	-1.00	-1.00	.00	.00	22.75	2.27	0.000	3.054	3.115
680-102655-A-4	07/03/2014	11:41 PM	690.00	7.99	.00	147.62	146.22	1.35	.05	-1.00	-1.00	.00	.00	23.07	2.97	0.000	3.690	3.758
680-102655-A-4du	07/03/2014	11:48 PM	583.00	7.98	.00	158.32	156.87	1.40	.05	-1.00	-1.00	.00	.00	22.96	3.31	0.000	3.958	4.029
CCVph	07/03/2014	11:51 PM	-1.00	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	22.89	-.19	-1.000	-1.000	-1.000
680-102629-A-17	07/04/2014	12:07 AM	2,050.00	7.52	.00	1,134.45	1,130.89	3.54	.02	-1.00	-1.00	.00	.00	22.80	67.99	0.000	28.361	28.682

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Run Number 6933 **Order Number** 20140703-3

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
680-102629-A-18	07/04/2014	12:16 AM	1,187.00	7.72	.00	617.65	614.58	3.04	.03	-1.00	-1.00	.00	.00	22.64	23.32	0.000	15.441	15.584
680-102629-A-19	07/04/2014	12:26 AM	1,016.00	7.68	.00	512.86	510.54	2.30	.02	-1.00	-1.00	.00	.00	22.52	21.31	0.000	12.821	12.931
680-102629-A-22	07/04/2014	12:34 AM	1,011.00	7.57	.00	510.41	508.62	1.77	.02	-1.00	-1.00	.00	.00	22.51	27.50	0.000	12.760	12.903
CCVph	07/04/2014	12:38 AM	-1.00	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	22.43	-.20	-1.000	-1.000	-1.000
LCSD	07/04/2014	12:45 AM	556.00	10.37	118.01	248.57	74.00	162.86	11.71	-1.00	-1.00	.00	.00	22.31	.01	2.950	6.214	6.281

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	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	

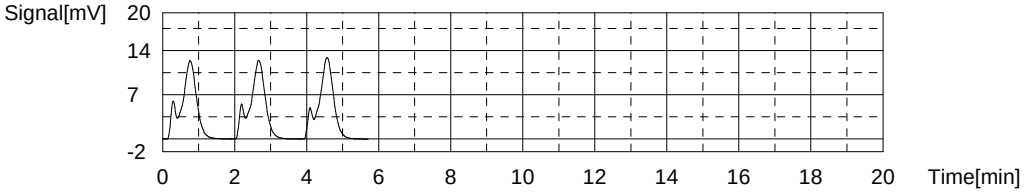
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

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	

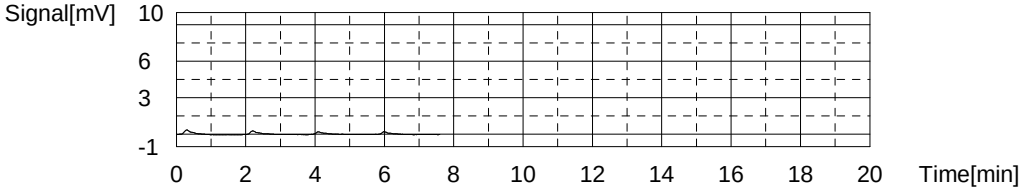
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3216mg/L

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

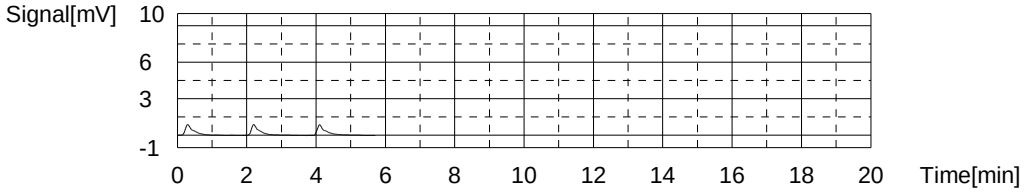
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2070mg/L

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

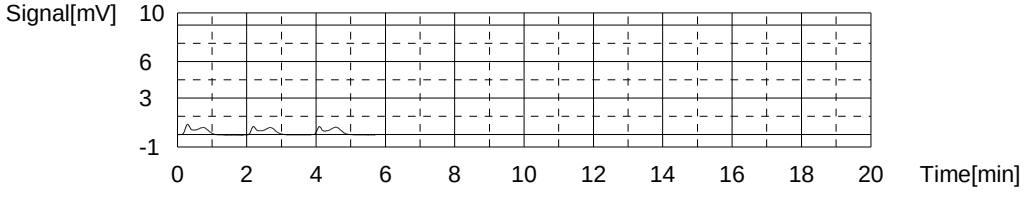
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7121mg/L

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

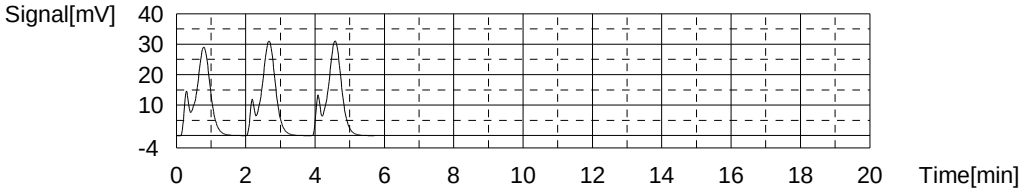
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.55mg/L

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

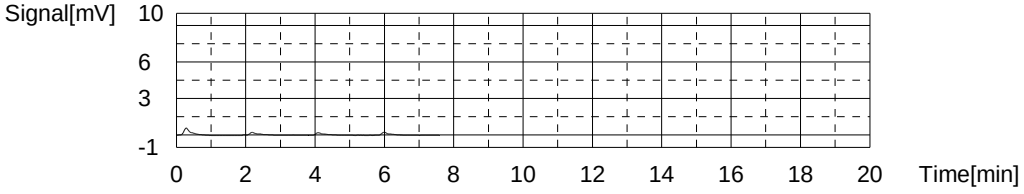
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3381mg/L

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

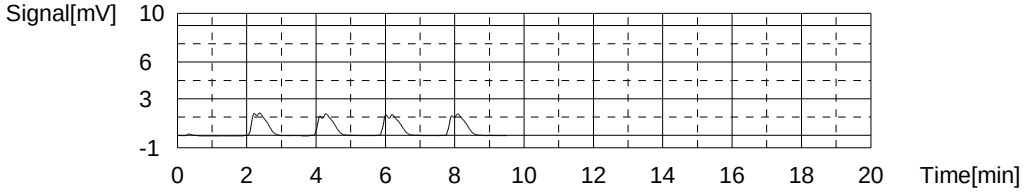
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.201mg/L

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

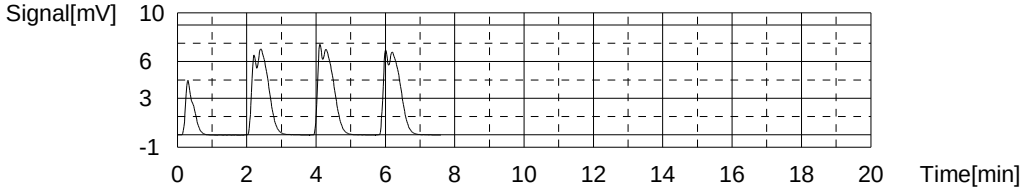
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.99mg/L

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

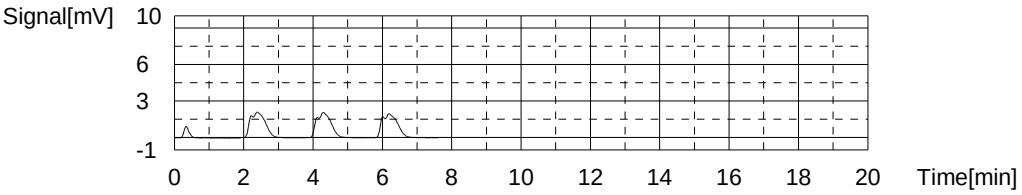
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.686mg/L

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

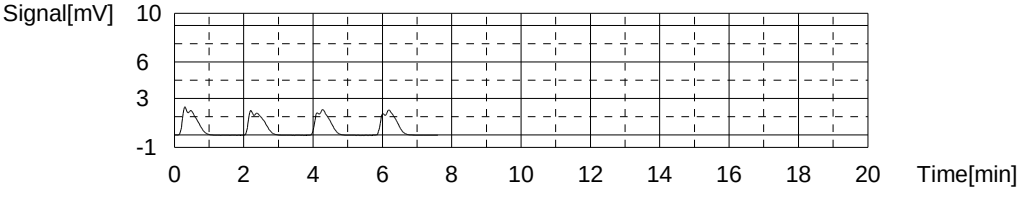
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.529mg/L

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

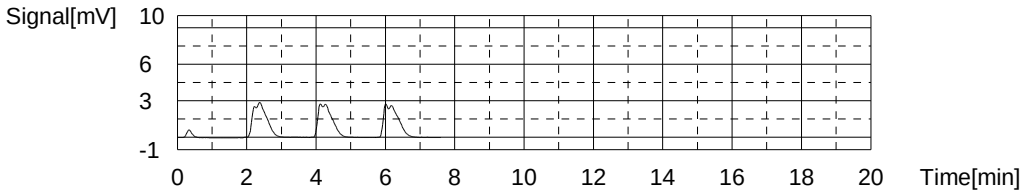
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.562mg/L

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

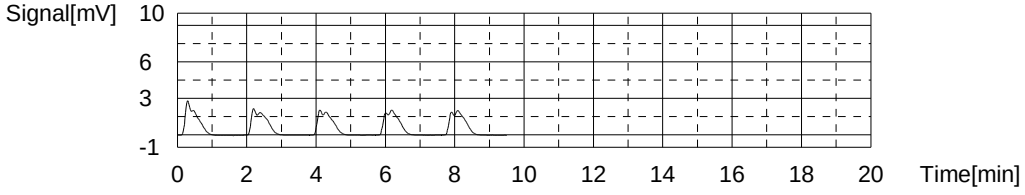
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.599mg/L

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

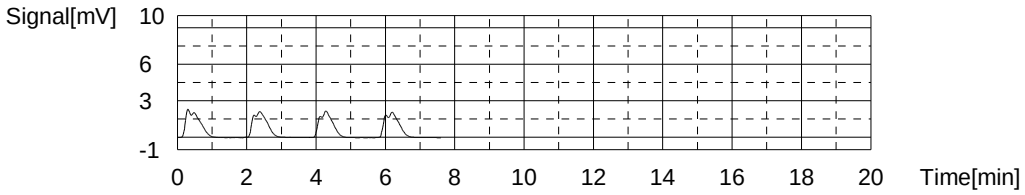
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.568mg/L

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

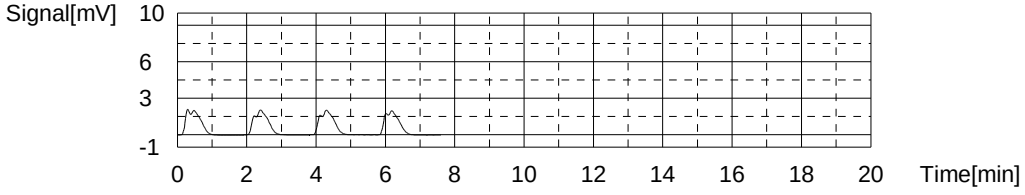
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.479mg/L

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

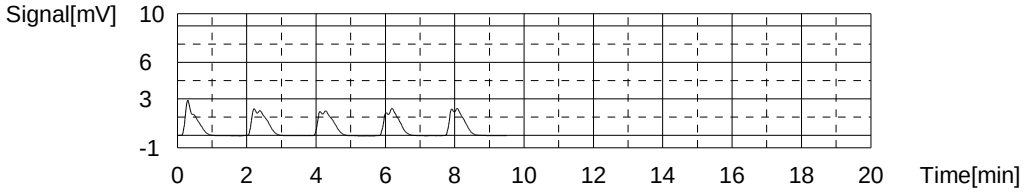
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.745mg/L

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

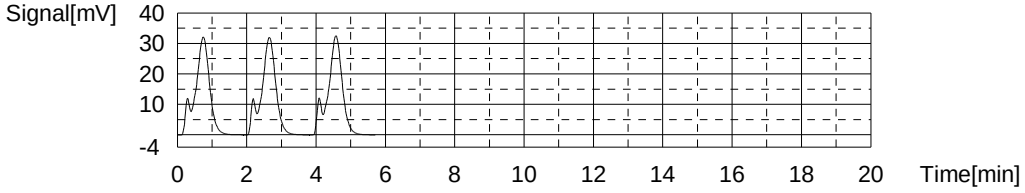
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.72mg/L

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

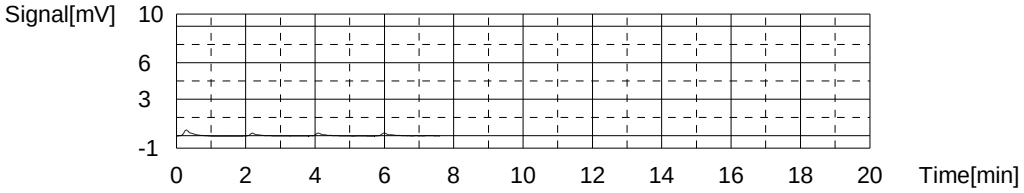
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3452mg/L

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

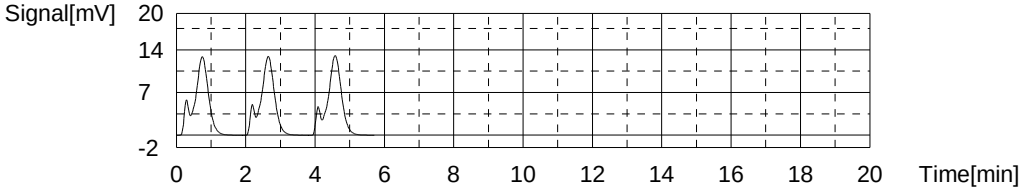
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.20mg/L

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

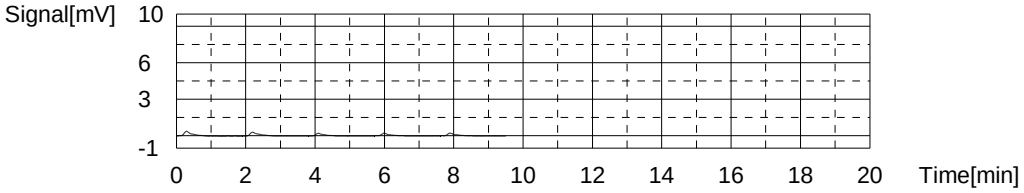
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3513mg/L

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

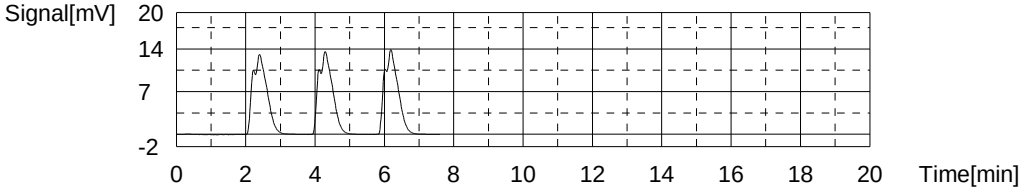
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.26mg/L

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

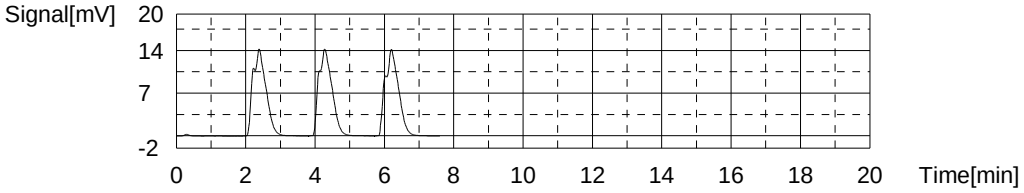
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.34mg/L

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

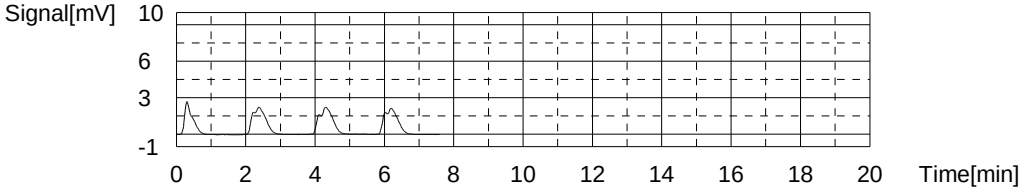
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.595mg/L

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

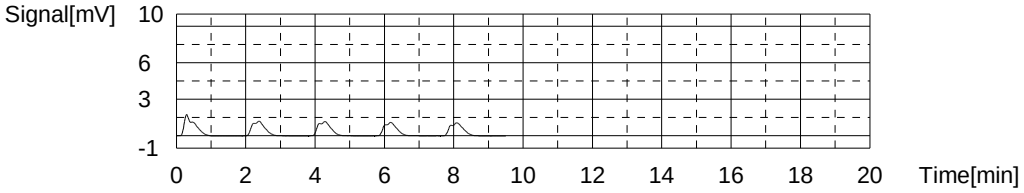
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9990mg/L

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

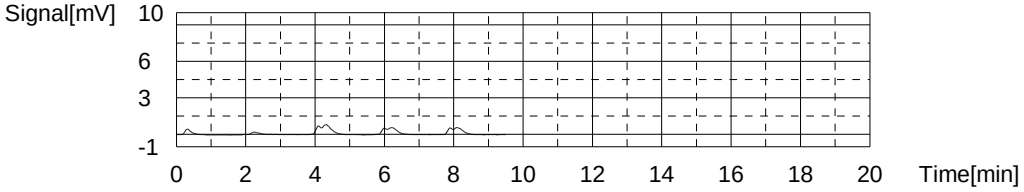
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3903mg/L

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

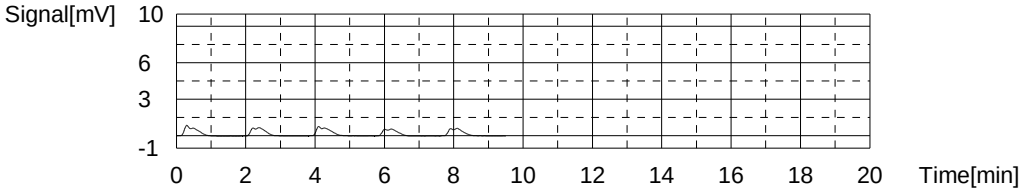
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3746mg/L

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

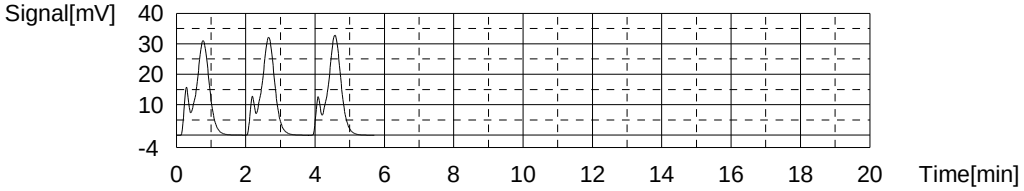
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.15mg/L

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

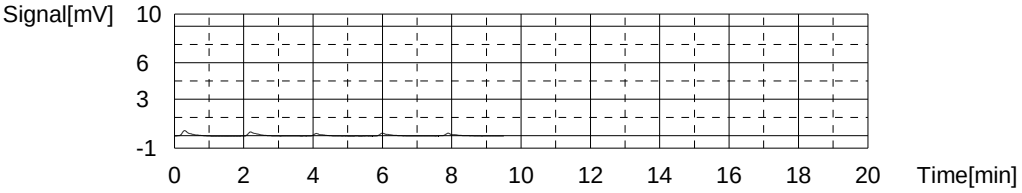
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3379mg/L

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

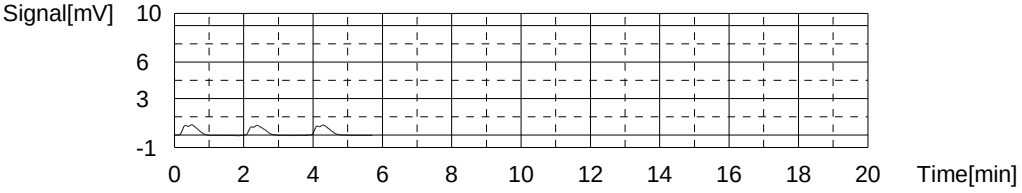
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7054mg/L

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

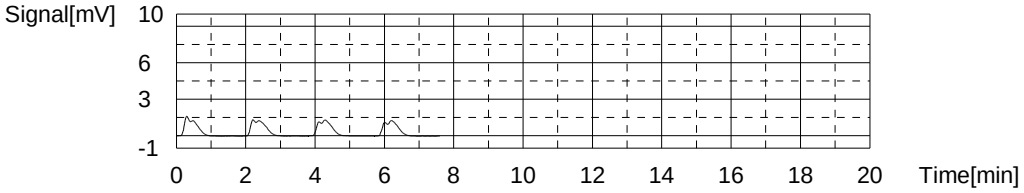
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.384mg/L

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

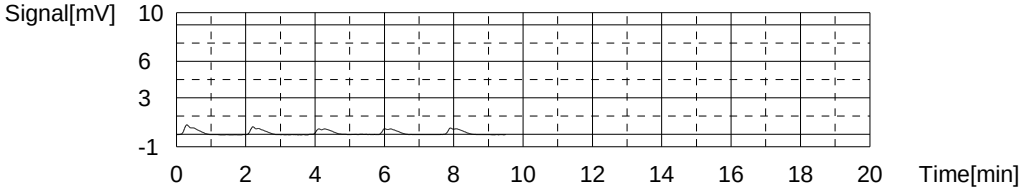
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1996mg/L

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

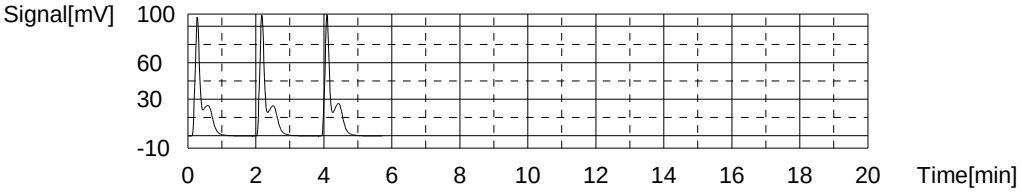
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:73.24mg/L

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

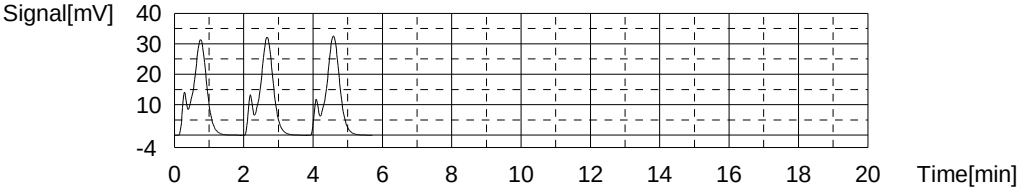
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.04mg/L

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

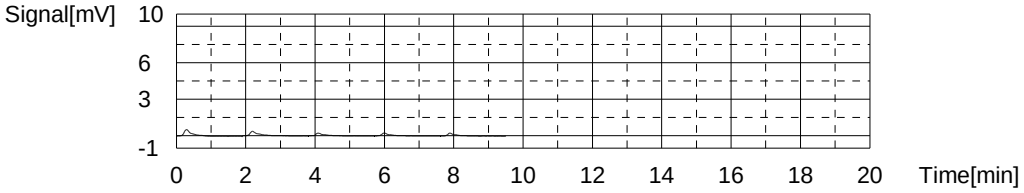
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3453mg/L

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

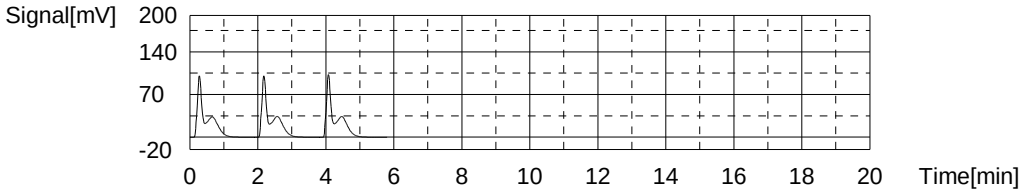
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.14mg/L

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

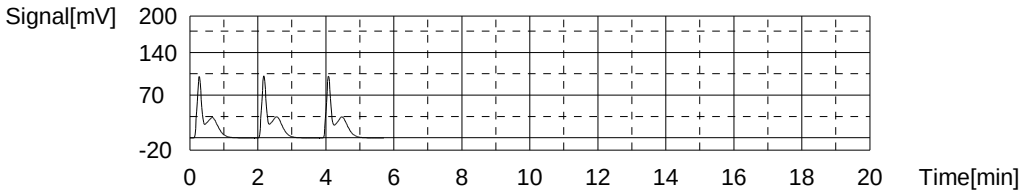
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.54mg/L

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

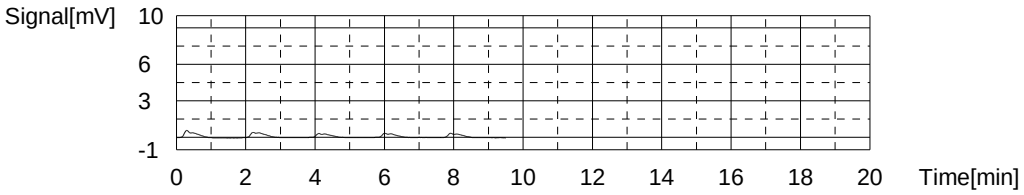
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.07022mg/L

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

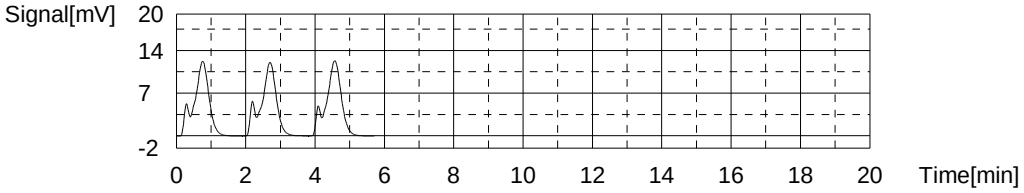
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

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

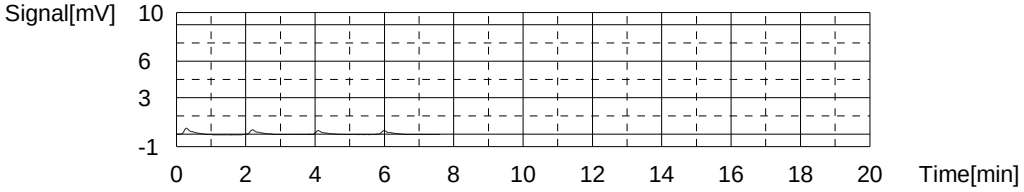
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2176mg/L

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

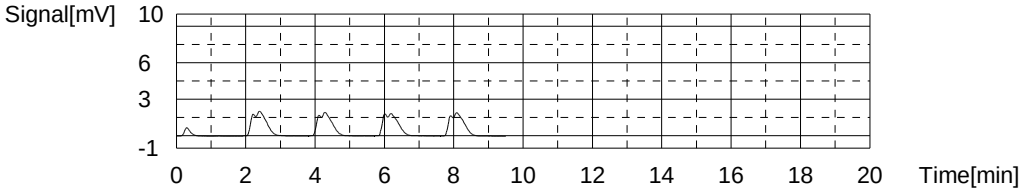
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.326mg/L

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

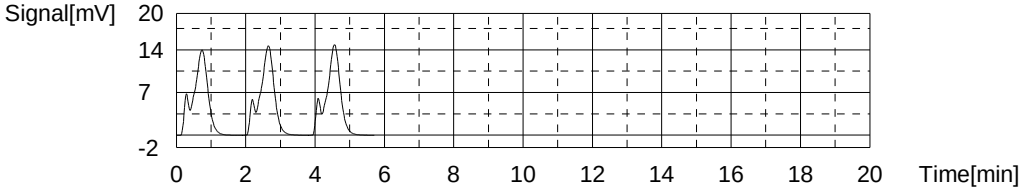
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.76mg/L

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

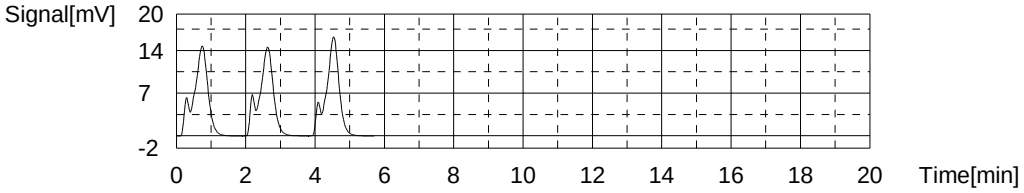
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.83mg/L

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

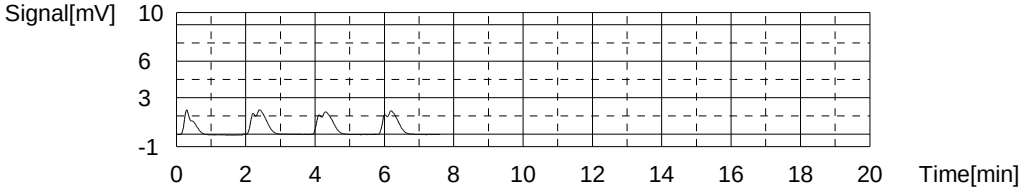
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.322mg/L

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

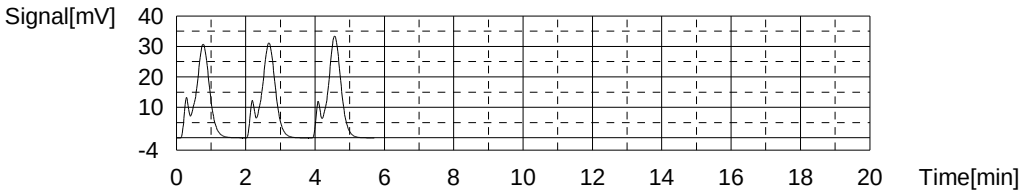
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.73mg/L

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

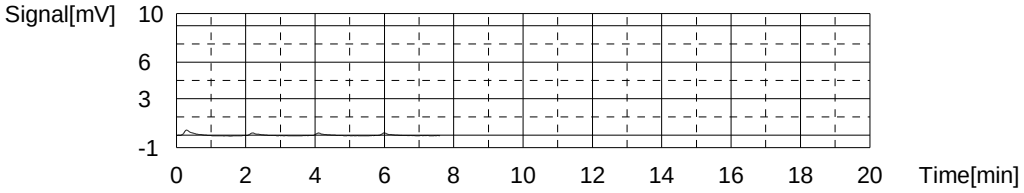
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3544mg/L

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

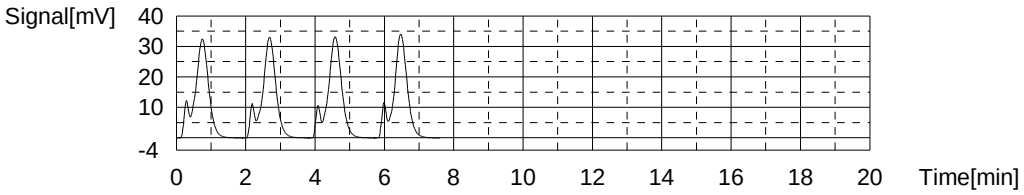
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.92mg/L

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

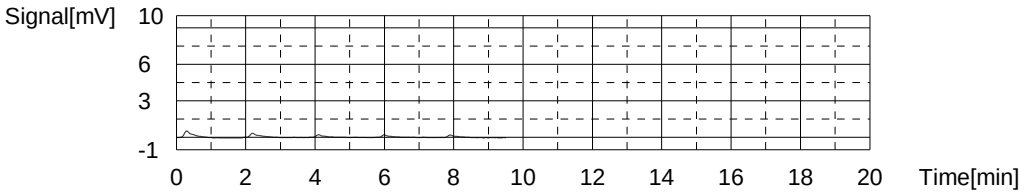
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3188mg/L

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

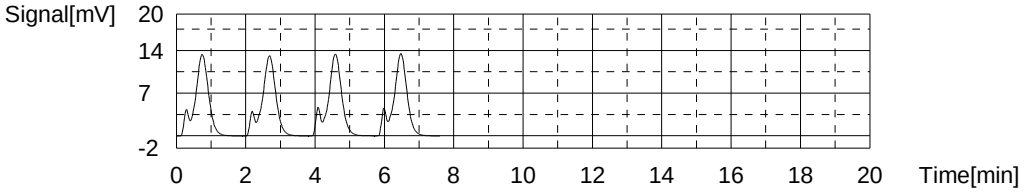
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.24mg/L

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

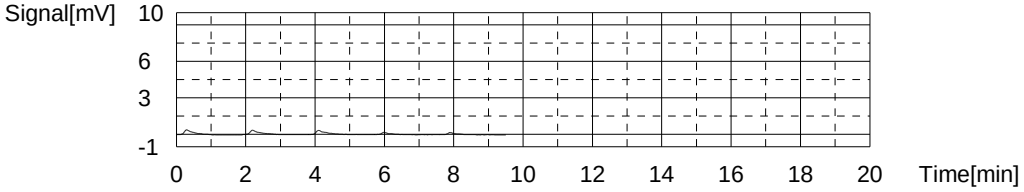
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2104mg/L

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

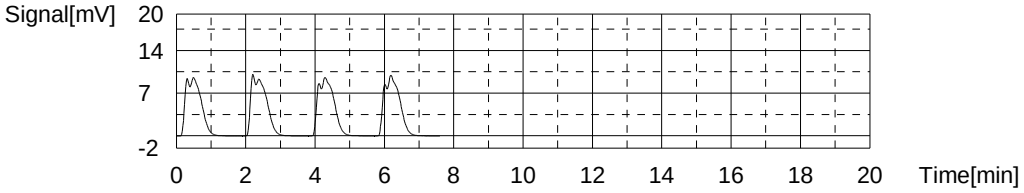
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.51mg/L

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

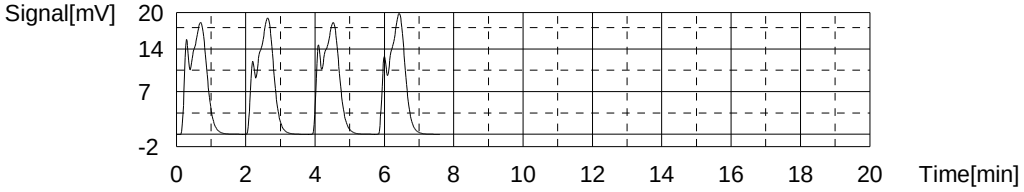
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.64mg/L

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

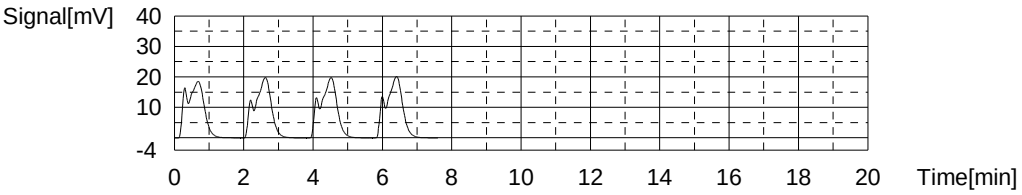
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.67mg/L

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

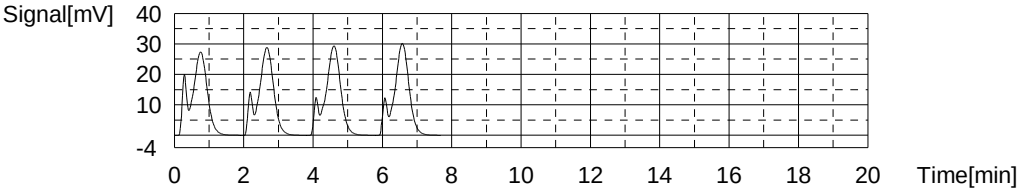
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.67mg/L

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

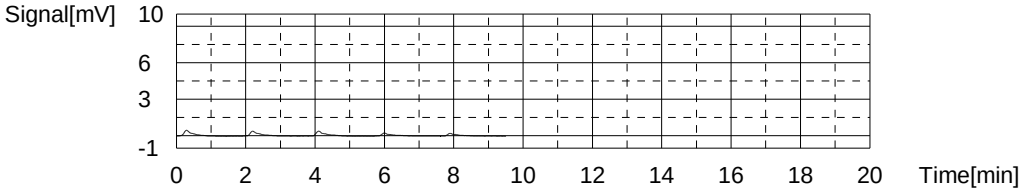
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1625mg/L

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

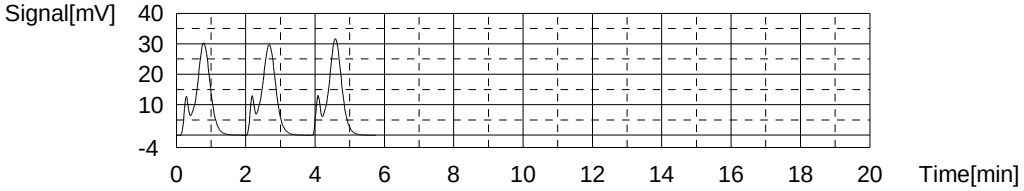
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.48mg/L

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

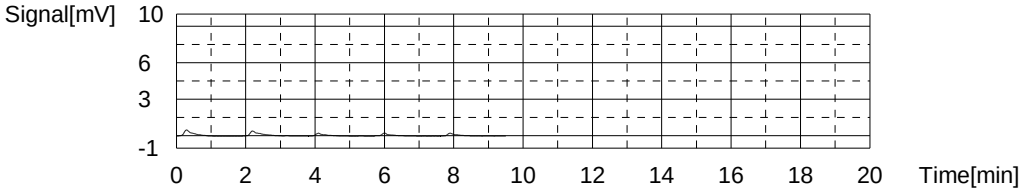
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3433mg/L

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

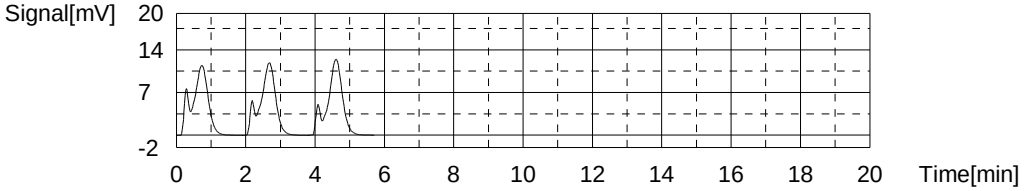
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.12mg/L

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

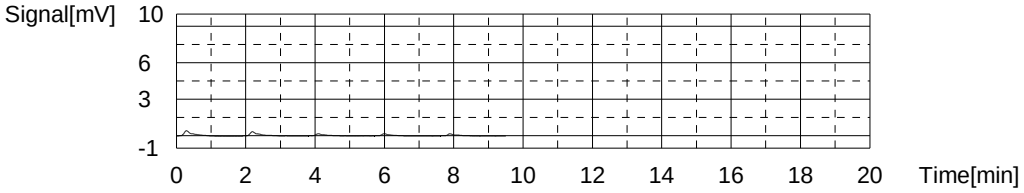
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3877mg/L

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

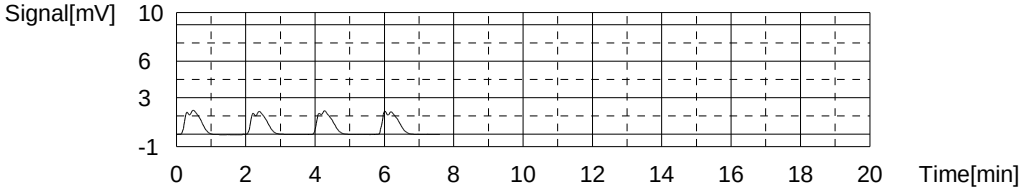
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

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

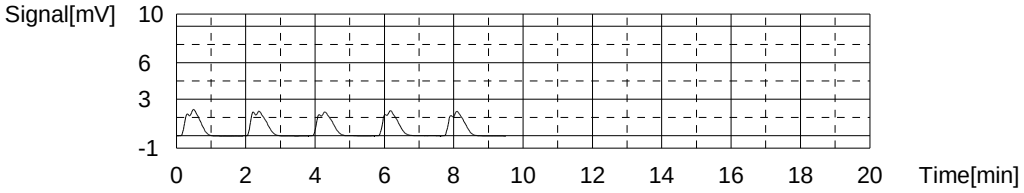
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.455mg/L

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

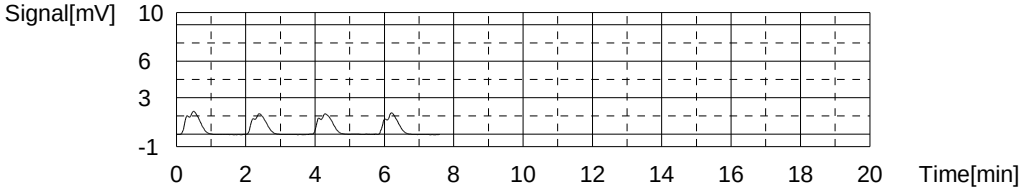
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.897mg/L

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

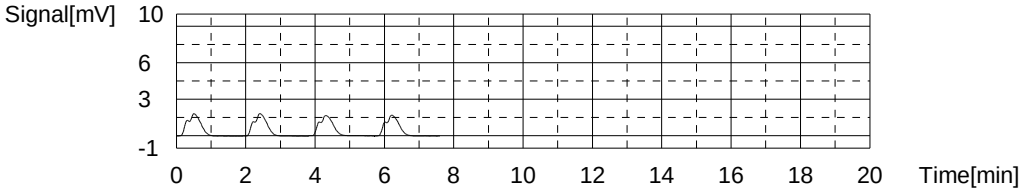
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.906mg/L

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

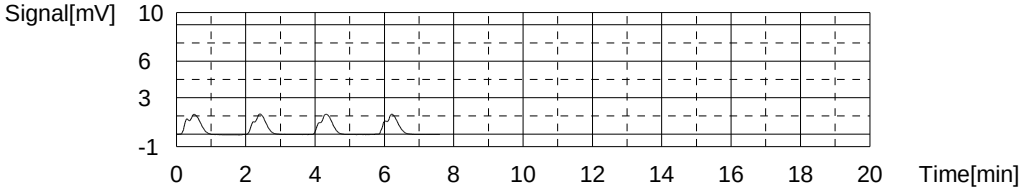
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.658mg/L

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

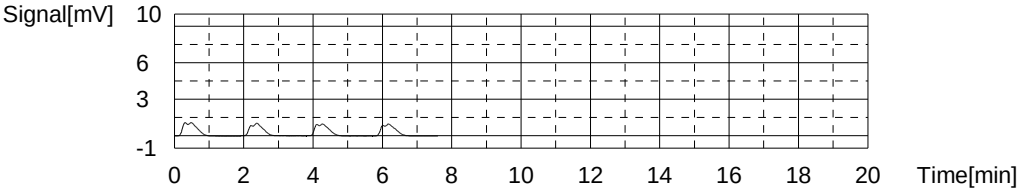
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8743mg/L

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

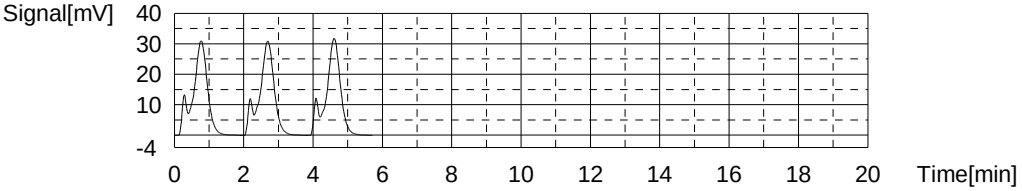
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.14mg/L

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

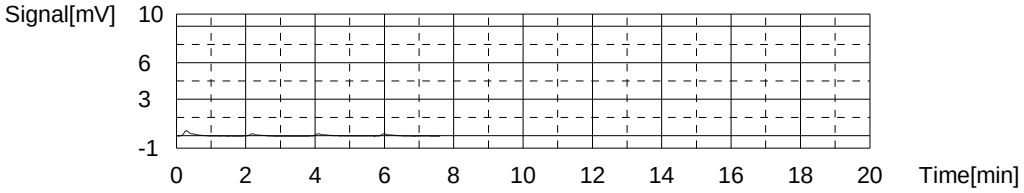
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3543mg/L

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

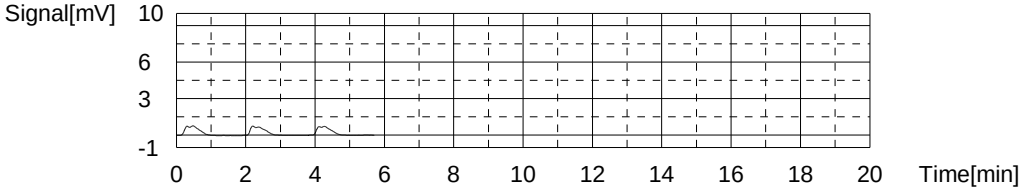
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5828mg/L

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

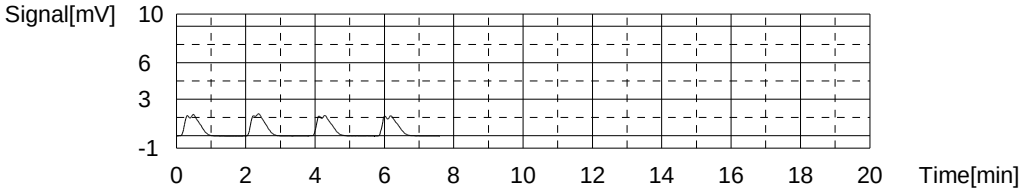
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.055mg/L

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

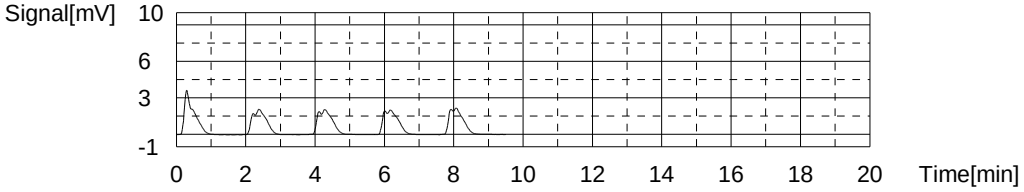
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.623mg/L

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

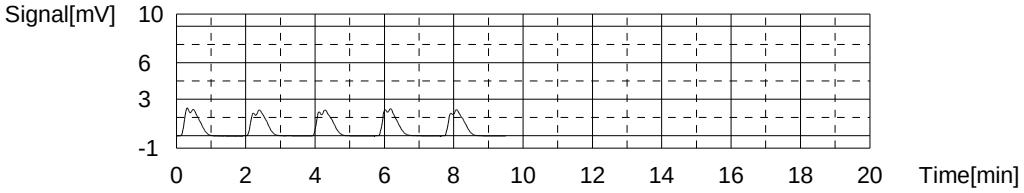
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.630mg/L

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

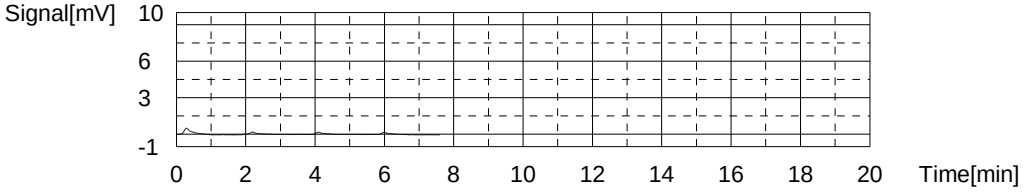
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3763mg/L

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

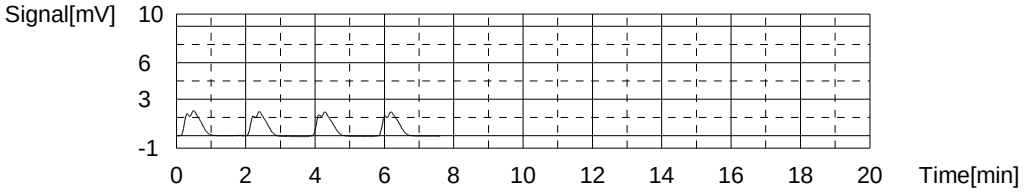
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.421mg/L

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

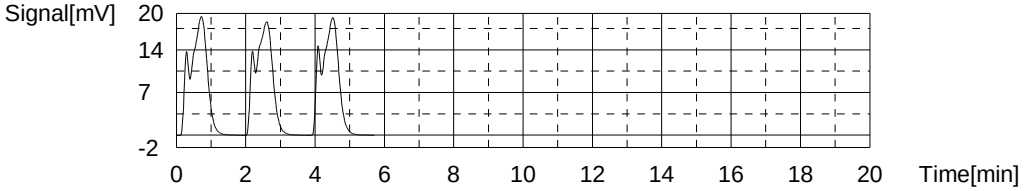
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.55mg/L

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

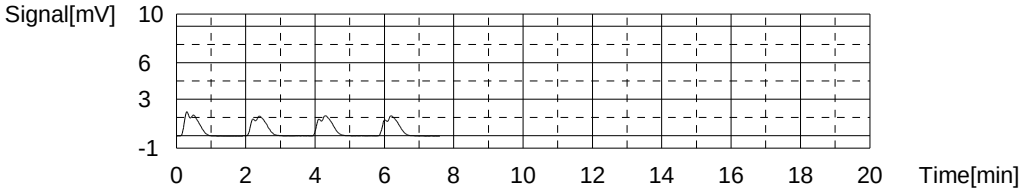
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.918mg/L

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

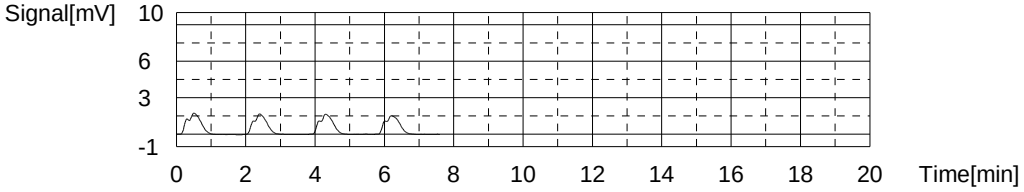
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.810mg/L

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

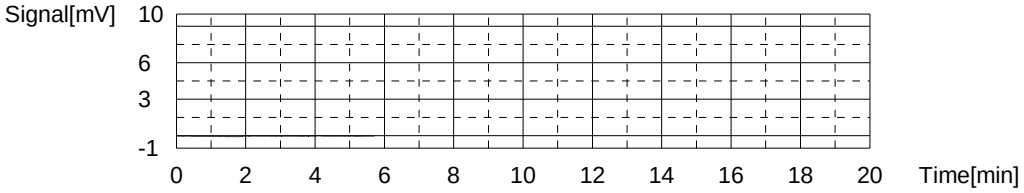
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

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

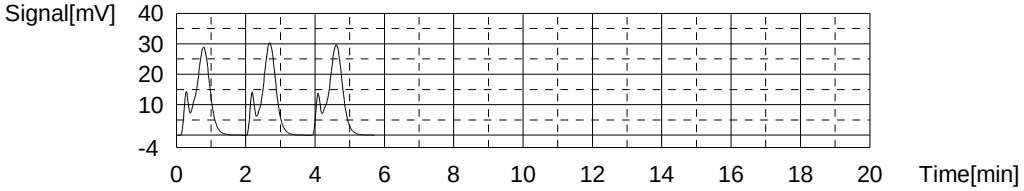
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.10mg/L

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

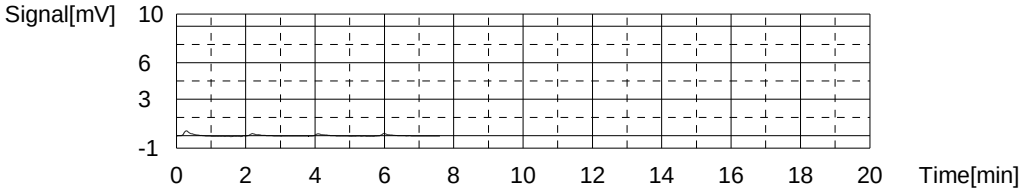
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3665mg/L

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

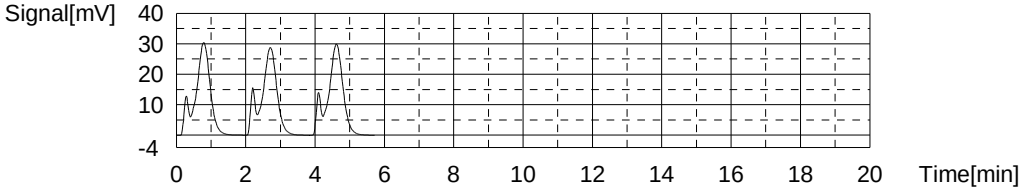
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.03mg/L

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

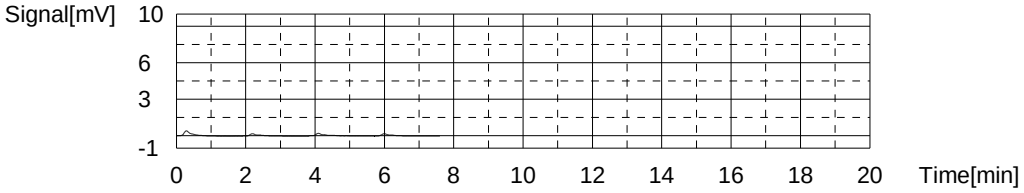
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3785mg/L

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

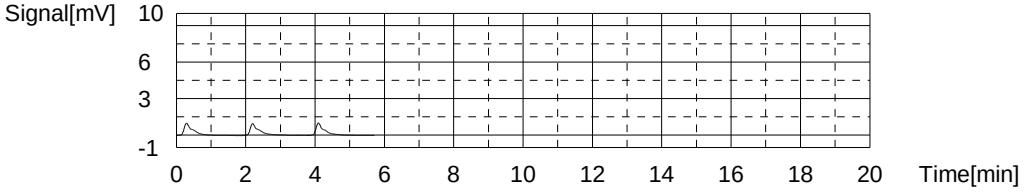
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3306mg/L

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

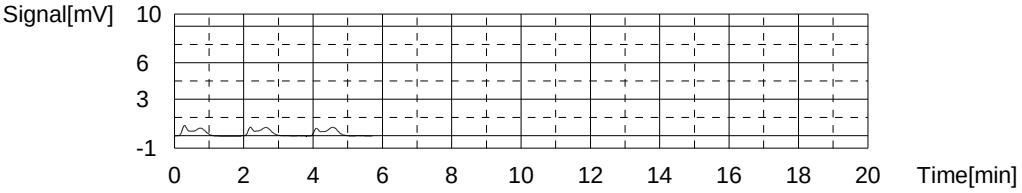
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7852mg/L

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

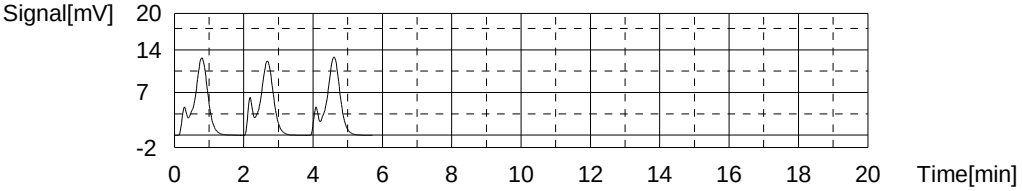
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

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

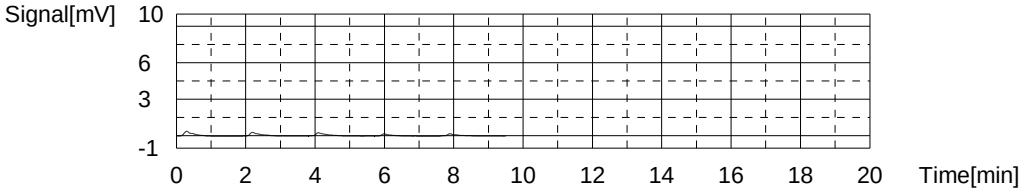
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2057mg/L

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

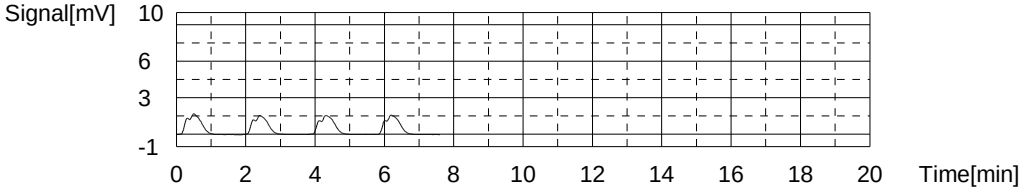
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.898mg/L

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

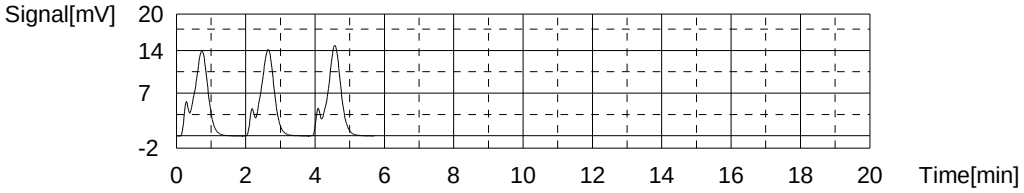
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.14mg/L

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

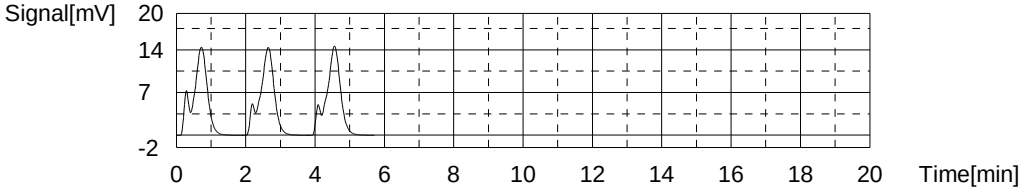
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.35mg/L

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

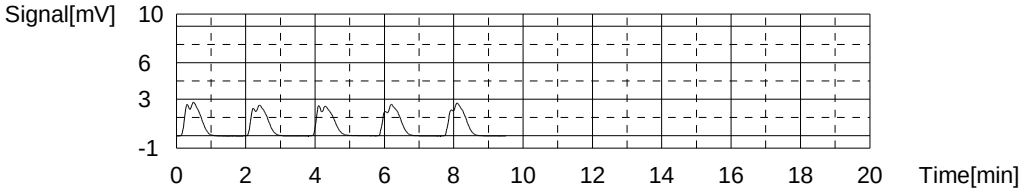
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.589mg/L

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

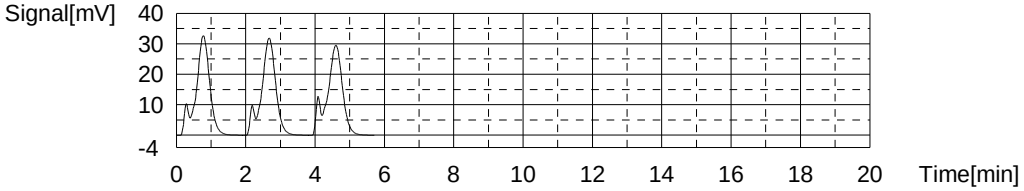
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.24mg/L

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

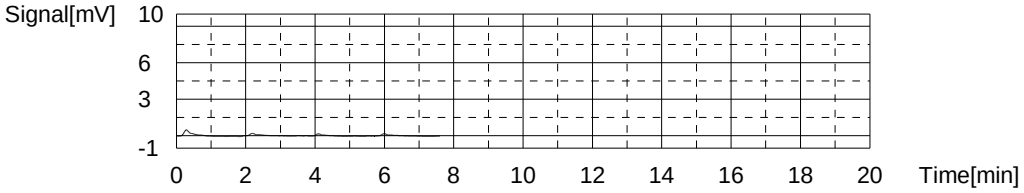
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3637mg/L

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

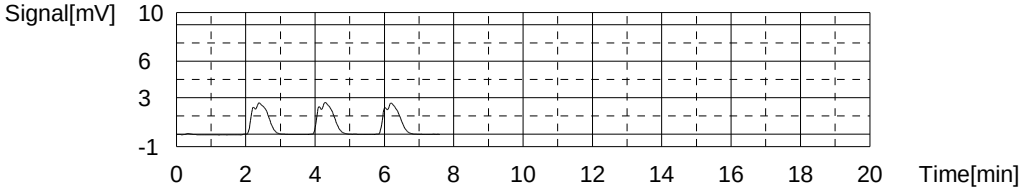
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.639mg/L

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

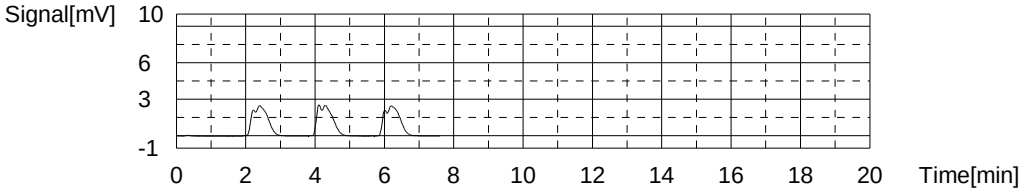
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.515mg/L

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

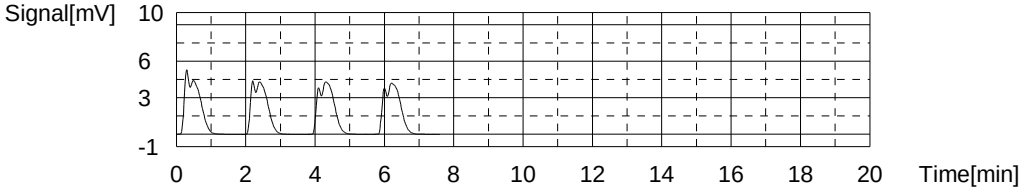
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.751mg/L

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

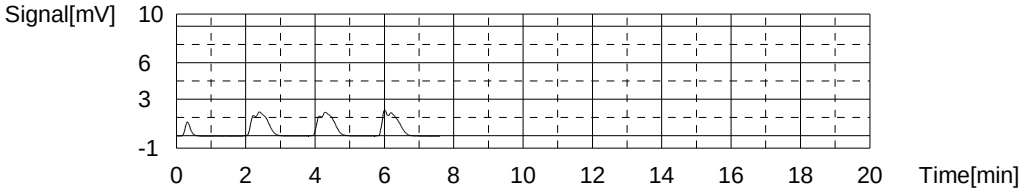
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.665mg/L

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

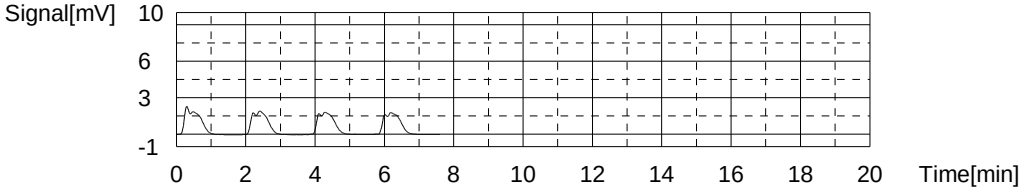
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.590mg/L

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

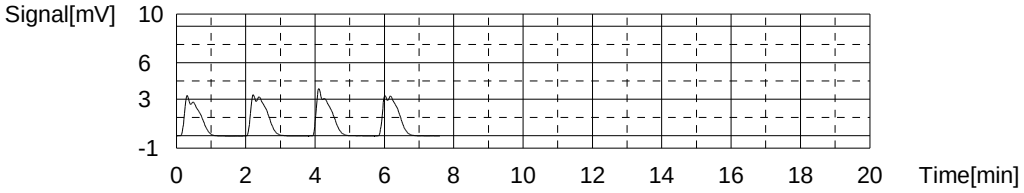
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.884mg/L

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

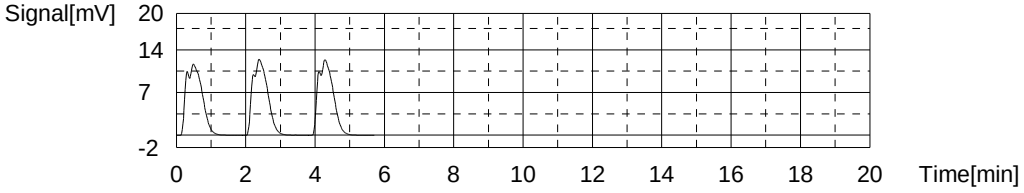
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.15mg/L

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

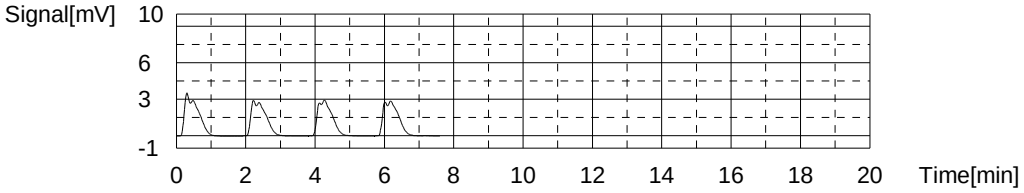
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.944mg/L

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

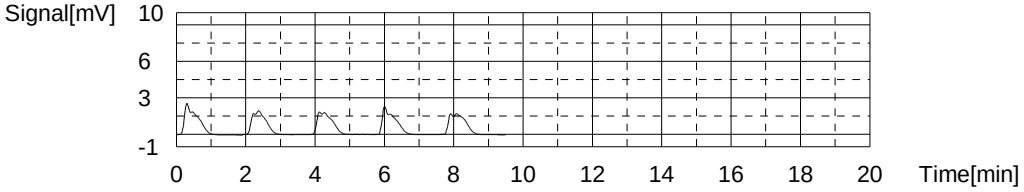
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

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

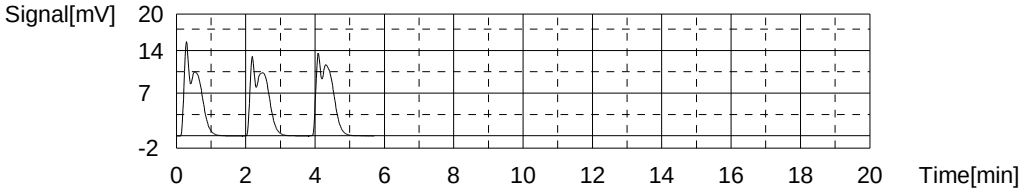
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.33mg/L

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

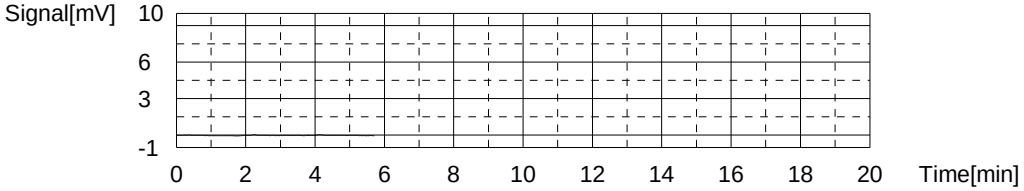
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

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

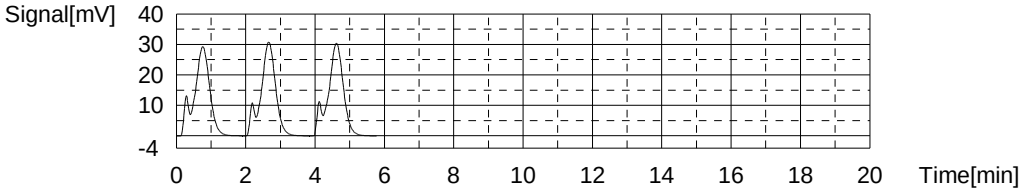
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.78mg/L

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

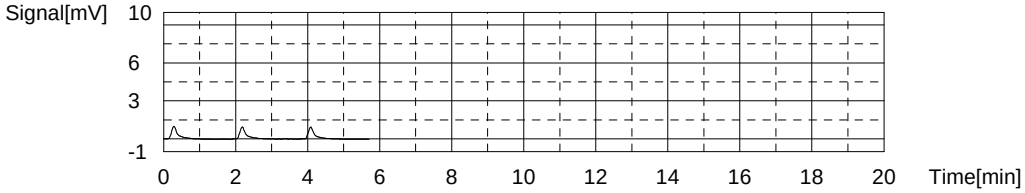
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_06_30_16_03_57.cal
Status	Completed

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

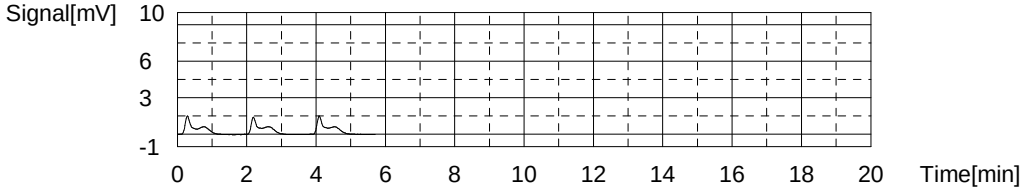
Acid Add. 0.000%
Mean Area 1.136



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

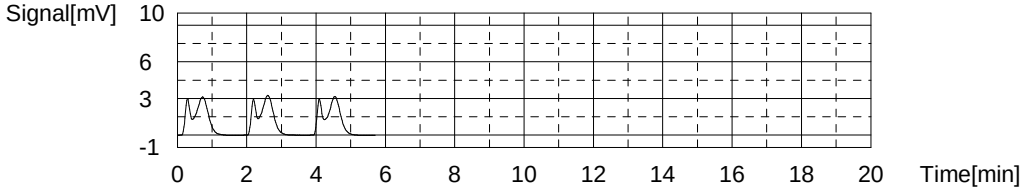
Acid Add. 0.000%
Mean Area 3.144



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

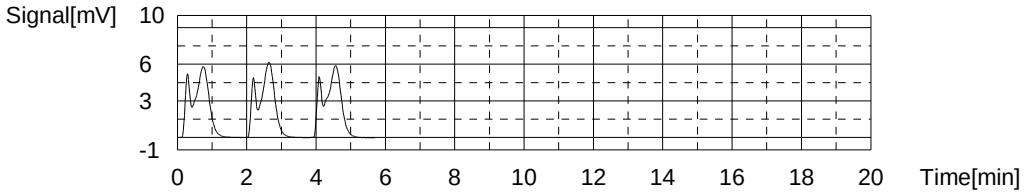
Acid Add. 0.000%
Mean Area 10.49



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

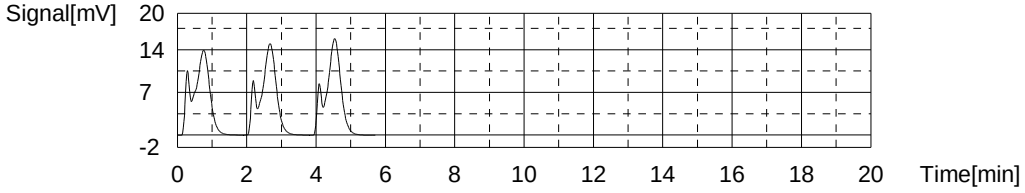
Acid Add. 0.000%
Mean Area 20.21



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

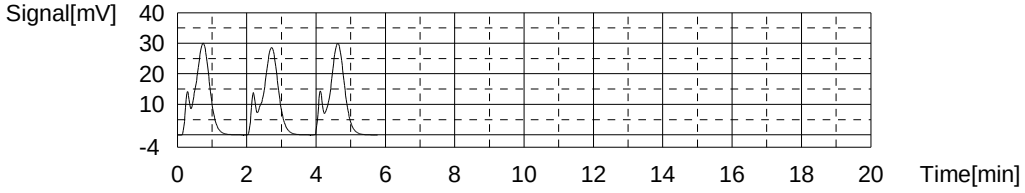
Acid Add. 0.000%
Mean Area 47.62



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

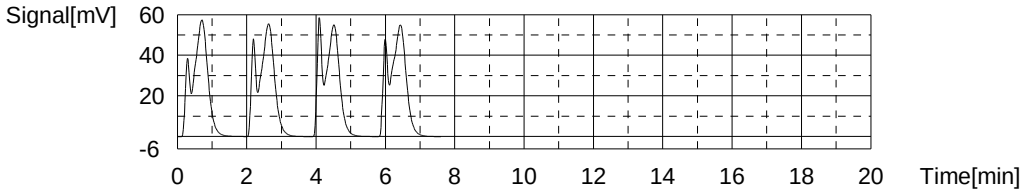
Acid Add. 0.000%
Mean Area 94.86



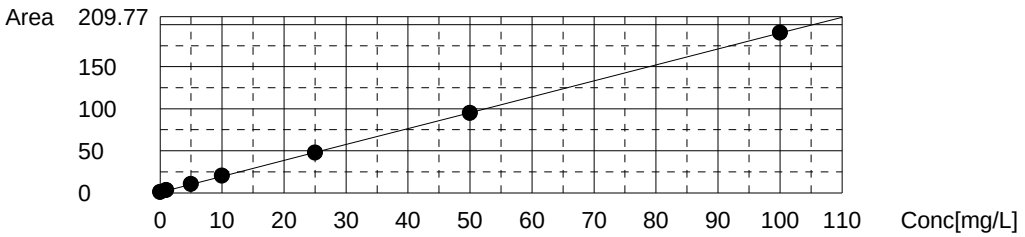
Conc: 100.0mg/L

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



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV		1.000	NPOC:49.50mg/L	Completed	7/3/2014 4:16:19 PM	1
2	CCB		1.000	NPOC:-0.09493mg/L	Completed	7/3/2014 4:32:47 PM	2
3	BICARB		1.000	NPOC:0.3035mg/L	Completed	7/3/2014 4:49:13 PM	3
4	RLV		1.000	NPOC:0.7501mg/L	Completed	7/3/2014 5:07:43 PM	4
5	LCS	415.1	1.000	NPOC:19.55mg/L	Completed	7/3/2014 5:22:00 PM	5
6	MB		1.000	NPOC:-0.4205mg/L	Completed	7/3/2014 5:40:40 PM	92
7	640-48335-E-3		1.000	NPOC:2.616mg/L	Completed	7/3/2014 5:55:05 PM	6
8	640-48335-F-3 MS		1.000	NPOC:22.28mg/L	Completed	7/3/2014 6:09:29 PM	7
9	640-48335-F-3 MSD		1.000	NPOC:22.23mg/L	Completed	7/3/2014 6:20:21 PM	7
10	660-61363-N-8		1.000	NPOC:5.386mg/L	Completed	7/3/2014 6:34:44 PM	8
11	660-61363-M-9		1.000	NPOC:8.204mg/L	Completed	7/3/2014 6:49:08 PM	9
12	660-61363-N-10		1.000	NPOC:17.77mg/L	Completed	7/3/2014 7:03:30 PM	10
13	660-61363-L-11		1.000	NPOC:25.22mg/L	Completed	7/3/2014 7:17:54 PM	11
14	CCV		1.000	NPOC:49.59mg/L	Completed	7/3/2014 7:32:34 PM	1
15	CCB		1.000	NPOC:-0.3668mg/L	Completed	7/3/2014 7:51:04 PM	2
16	660-61363-N-12		1.000	NPOC:18.28mg/L	Completed	7/3/2014 8:05:28 PM	12
17	660-61363-N-12 DU		1.000	NPOC:18.29mg/L	Completed	7/3/2014 8:16:19 PM	12
18	660-61363-M-13		1.000	NPOC:10.36mg/L	Completed	7/3/2014 8:30:43 PM	13
19	660-61363-M-14		1.000	NPOC:13.92mg/L	Completed	7/3/2014 8:45:06 PM	14
20	660-61363-M-15		1.000	NPOC:11.98mg/L	Completed	7/3/2014 8:59:30 PM	15
21	660-61374-I-1		1.000	NPOC:1.861mg/L	Completed	7/3/2014 9:17:59 PM	16
22	660-61374-J-2		1.000	NPOC:1.977mg/L	Completed	7/3/2014 9:36:23 PM	17
23	660-61374-K-3		1.000	NPOC:2.043mg/L	Completed	7/3/2014 9:54:46 PM	18
24	660-61374-I-4		1.000	NPOC:1.327mg/L	Completed	7/3/2014 10:13:11 PM	19
25	660-61374-J-5		1.000	NPOC:1.918mg/L	Completed	7/3/2014 10:31:35 PM	20
26	CCV		1.000	NPOC:49.32mg/L	Completed	7/3/2014 10:45:58 PM	21
27	CCB		1.000	NPOC:-0.3718mg/L	Completed	7/3/2014 11:04:28 PM	22
28	660-61392-C-1		1.000	NPOC:17.83mg/L	Completed	7/3/2014 11:18:44 PM	23
29	660-61392-A-2		1.000	NPOC:41.55mg/L	Completed	7/3/2014 11:35:12 PM	24
30	660-61392-A-3	M50/SED	50.00	NPOC:33.09mg/L	Completed	7/3/2014 11:53:41 PM	25
31	660-61392-A-4		1.000	NPOC:15.86mg/L	Completed	7/4/2014 12:07:58 AM	26
32	660-61392-B-5		1.000	NPOC:31.63mg/L	Completed	7/4/2014 12:22:22 AM	27
33	660-61392-B-6	M5/SED	5.000	NPOC:17.52mg/L	Completed	7/4/2014 12:40:53 AM	28
34	LCS	415.1	1.000	NPOC:19.39mg/L	Completed	7/4/2014 12:55:14 AM	5
35	MB		1.000	NPOC:-0.3824mg/L	Completed	7/4/2014 1:13:54 AM	92
36	660-61392-A-7		1.000	NPOC:9.871mg/L	Completed	7/4/2014 1:28:16 AM	29
37	660-61392-A-7 DU		1.000	NPOC:9.919mg/L	Completed	7/4/2014 1:39:07 AM	29
38	CCV		1.000	NPOC:49.44mg/L	Completed	7/4/2014 1:53:54 AM	21
39	CCB		1.000	NPOC:0.03222mg/L	Completed	7/4/2014 2:12:25 AM	22
40	660-61392-C-8		1.000	NPOC:12.07mg/L	Completed	7/4/2014 2:26:46 AM	30
41	660-61392-B-8 MS		1.000	NPOC:31.21mg/L	Completed	7/4/2014 2:41:11 AM	31
42	660-61392-B-8 MSD		1.000	NPOC:31.57mg/L	Completed	7/4/2014 2:52:03 AM	31
43	680-102616-J-1		1.000	NPOC:0.4389mg/L	Completed	7/4/2014 3:10:32 AM	32
44	680-102616-I-2		1.000	NPOC:0.5988mg/L	Completed	7/4/2014 3:28:57 AM	33
45	680-102616-J-3		1.000	NPOC:0.3771mg/L	Completed	7/4/2014 3:47:21 AM	34
46	680-102616-I-4		1.000	NPOC:0.4567mg/L	Completed	7/4/2014 4:05:46 AM	35
47	680-102616-J-5		1.000	NPOC:0.5911mg/L	Completed	7/4/2014 4:24:12 AM	36
48	680-102616-H-6		1.000	NPOC:1.164mg/L	Completed	7/4/2014 4:38:28 AM	37
49	680-102616-I-7		1.000	NPOC:0.6006mg/L	Completed	7/4/2014 4:54:55 AM	38
50	CCV		1.000	NPOC:49.75mg/L	Completed	7/4/2014 5:09:29 AM	39
51	CCB		1.000	NPOC:-0.3831mg/L	Completed	7/4/2014 5:28:01 AM	40
52	680-102616-I-8		1.000	NPOC:0.7463mg/L	Completed	7/4/2014 5:42:19 AM	41
53	680-102616-J-9		1.000	NPOC:3.442mg/L	Completed	7/4/2014 6:00:50 AM	42
54	680-102616-J-10		1.000	NPOC:2.909mg/L	Completed	7/4/2014 6:19:14 AM	43
55	680-102616-J-11		1.000	NPOC:26.15mg/L	Completed	7/4/2014 6:33:33 AM	44
56	680-102616-I-12		1.000	NPOC:1.733mg/L	Completed	7/4/2014 6:52:03 AM	45
57	680-102616-J-13		1.000	NPOC:1.442mg/L	Completed	7/4/2014 7:10:28 AM	46
58	680-102616-J-14		1.000	NPOC:29.74mg/L	Completed	7/4/2014 7:24:46 AM	47
59	680-102616-K-15		1.000	NPOC:22.32mg/L	Completed	7/4/2014 7:39:11 AM	48
60	680-102787-A-5		1.000	NPOC:4.613mg/L	Completed	7/4/2014 7:55:38 AM	49
61	680-102823-A-1		1.000	NPOC:3.524mg/L	Completed	7/4/2014 8:12:06 AM	50
62	CCV		1.000	NPOC:49.36mg/L	Completed	7/4/2014 8:26:38 AM	39
63	CCB		1.000	NPOC:-0.3516mg/L	Completed	7/4/2014 8:43:08 AM	40
64	LCS	415.1 D	1.000	NPOC:19.25mg/L	Completed	7/4/2014 8:57:38 AM	51
65	MB		1.000	NPOC:-0.2218mg/L	Completed	7/4/2014 9:16:10 AM	52
66	680-102815-D-1	For All	1.000	NPOC:6.513mg/L	Completed	7/4/2014 9:32:33 AM	53
67	680-102815-D-1 DU	Samples	1.000	NPOC:3.488mg/L	Completed	7/4/2014 9:45:27 AM	53
68	680-102815-D-2	Plas/pH	1.000	NPOC:6.974mg/L	Completed	7/4/2014 9:59:51 AM	54
69	680-102815-D-2 MS	FF	1.000	NPOC:21.23mg/L	Completed	7/4/2014 10:14:18 AM	55
70	680-102815-D-2 MSD		1.000	NPOC:21.11mg/L	Completed	7/4/2014 10:25:12 AM	55

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
71	680-102815-D-3		1.000	NPOC:8.086mg/L	Completed	7/4/2014 10:39:40 AM	56
72	680-102815-D-4		1.000	NPOC:8.130mg/L	Completed	7/4/2014 10:54:07 AM	57
73	680-102815-D-5		1.000	NPOC:6.892mg/L	Completed	7/4/2014 11:08:33 AM	58
74	CCV		1.000	NPOC:50.81mg/L	Completed	7/4/2014 11:23:10 AM	59
75	CCB		1.000	NPOC:-0.01164mg/L	Completed	7/4/2014 11:41:44 AM	60
76	680-102815-D-6		1.000	NPOC:6.909mg/L	Completed	7/4/2014 11:56:05 AM	61
77	680-102815-D-7		1.000	NPOC:7.408mg/L	Completed	7/4/2014 12:10:32 PM	62
78	680-102815-D-8		1.000	NPOC:7.732mg/L	Completed	7/4/2014 12:24:58 PM	63
79	680-102815-D-10		1.000	NPOC:6.596mg/L	Completed	7/4/2014 12:41:28 PM	64
80	CCV		1.000	NPOC:50.88mg/L	Completed	7/4/2014 12:56:28 PM	59
81	CCB		1.000	NPOC:0.02424mg/L	Completed	7/4/2014 1:15:01 PM	60
82	CCV		1.000	NPOC:51.12mg/L	Completed	7/4/2014 1:32:05 PM	65
83	CCB		1.000	NPOC:0.01633mg/L	Completed	7/4/2014 1:50:38 PM	66
84	LCS	9060	1.000	NPOC:20.09mg/L	Completed	7/4/2014 2:07:03 PM	67
85	MB		1.000	NPOC:0.1935mg/L	Completed	7/4/2014 2:25:36 PM	68
86	680-102591-B-1		1.000	NPOC:2.867mg/L	Completed	7/4/2014 2:44:02 PM	69
87	680-102591-B-1 DU		1.000	NPOC:-0.5039mg/L	Completed	7/4/2014 2:58:25 PM	0
88	680-102591-B-3		1.000	NPOC:1.385mg/L	Completed	7/4/2014 3:16:57 PM	70
89	680-102591-B-4		1.000	NPOC:4.916mg/L	Completed	7/4/2014 3:33:20 PM	71
90	680-102591-B-4 MS		1.000	NPOC:24.43mg/L	Completed	7/4/2014 3:49:49 PM	72
91	680-102591-B-4 MSD		1.000	NPOC:24.42mg/L	Completed	7/4/2014 4:06:18 PM	73
92	680-102591-C-5		1.000	NPOC:4.501mg/L	Completed	7/4/2014 4:24:50 PM	74
93	680-102591-D-6		1.000	NPOC:4.704mg/L	Completed	7/4/2014 4:41:13 PM	75
94	CCV		1.000	NPOC:51.57mg/L	Completed	7/4/2014 4:58:06 PM	65
95	CCB		1.000	NPOC:-0.1660mg/L	Completed	7/4/2014 5:16:38 PM	66
96	680-102591-D-7		1.000	NPOC:38.52mg/L	Completed	7/4/2014 5:33:09 PM	76
97	680-102591-D-8		1.000	NPOC:18.57mg/L	Completed	7/4/2014 5:49:39 PM	77
98	680-102591-B-9		1.000	NPOC:5.686mg/L	Completed	7/4/2014 6:08:10 PM	78
99	680-102591-D-10		1.000	NPOC:0.02608mg/L	Completed	7/4/2014 6:26:35 PM	79
100	680-102781-B-1	A5	1.000	NPOC:60.62mg/L	Completed	7/4/2014 6:43:40 PM	80
101	680-102781-A-2		1.000	NPOC:6.117mg/L	Completed	7/4/2014 7:02:12 PM	81
102	680-102781-A-3		1.000	NPOC:22.07mg/L	Completed	7/4/2014 7:18:37 PM	82
103	680-102781-A-4		1.000	NPOC:5.977mg/L	Completed	7/4/2014 7:37:09 PM	83
104	680-102781-A-5		1.000	NPOC:3.765mg/L	Completed	7/4/2014 7:55:35 PM	84
105	680-102781-A-6	A5	1.000	NPOC:46.23mg/L	Completed	7/4/2014 8:12:39 PM	85
106	CCV		1.000	NPOC:50.63mg/L	Completed	7/4/2014 8:29:15 PM	86
107	CCB		1.000	NPOC:-0.1528mg/L	Completed	7/4/2014 8:47:47 PM	87
108	680-102781-A-7	A10	1.000	NPOC:289.0mg/L	Completed	7/4/2014 9:04:52 PM	88
109	680-102781-A-8		1.000	NPOC:9.086mg/L	Completed	7/4/2014 9:21:21 PM	89
110	680-102781-B-9		1.000	NPOC:31.74mg/L	Completed	7/4/2014 9:37:49 PM	90
111	CCV		1.000	NPOC:50.77mg/L	Completed	7/4/2014 9:54:42 PM	86
112	CCB		1.000	NPOC:-0.3292mg/L	Completed	7/4/2014 10:13:15 PM	87

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

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

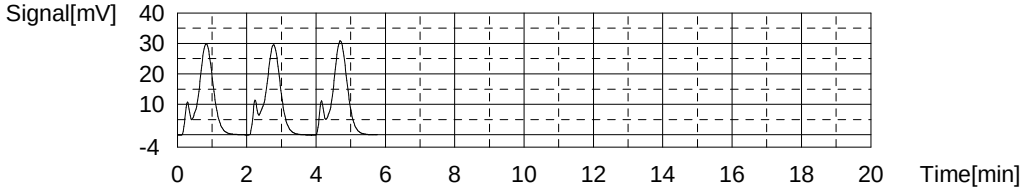
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.50mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.87	49.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:12:09 PM
2	94.30	49.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:14:15 PM
3	95.72	50.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:16:19 PM

Mean Area 94.63
Mean Conc. 49.50mg/L



Sample

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

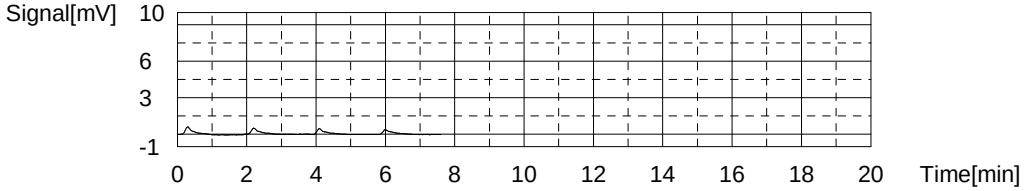
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.09493mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9992	0.02408mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:26:36 PM
2	0.8277	-0.06653mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:28:39 PM
3	0.7478	-0.1088mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:30:43 PM
4	0.7464	-0.1095mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:32:47 PM

Mean Area 0.7740
Mean Conc. -0.09493mg/L



Sample

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

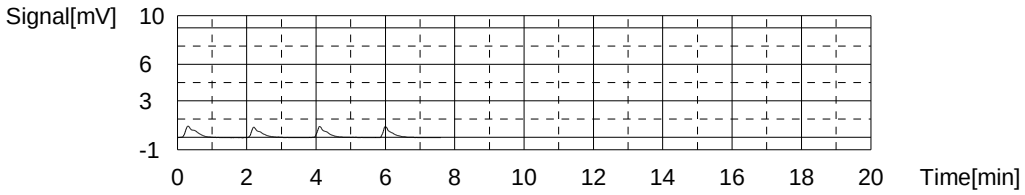
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3035mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.834	0.4652mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:43:03 PM
2	1.526	0.3024mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:45:07 PM
3	1.575	0.3283mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:47:10 PM
4	1.483	0.2797mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:49:13 PM

Mean Area 1.528
Mean Conc. 0.3035mg/L



Sample

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

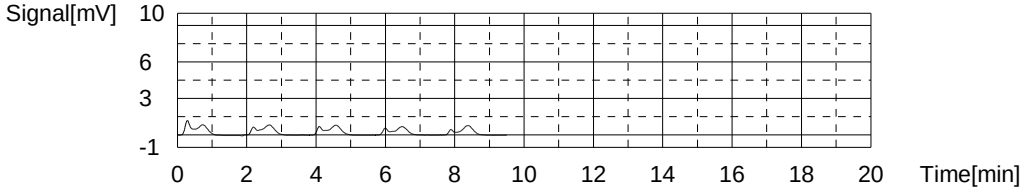
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7501mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.209	1.192mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 4:59:29 PM
2	2.676	0.9100mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:01:32 PM
3	2.701	0.9233mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:03:36 PM
4	2.224	0.6712mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:05:39 PM
5	2.220	0.6691mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:07:43 PM

Mean Area 2.373
Mean Conc. 0.7501mg/L



Sample

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

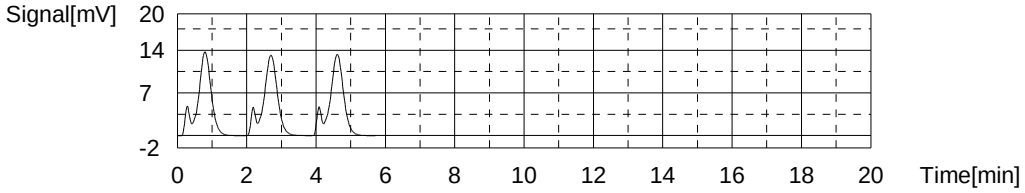
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.91	19.53mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:17:53 PM
2	37.86	19.50mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:19:57 PM
3	38.12	19.64mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:22:00 PM

Mean Area 37.96
Mean Conc. 19.55mg/L



Sample

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

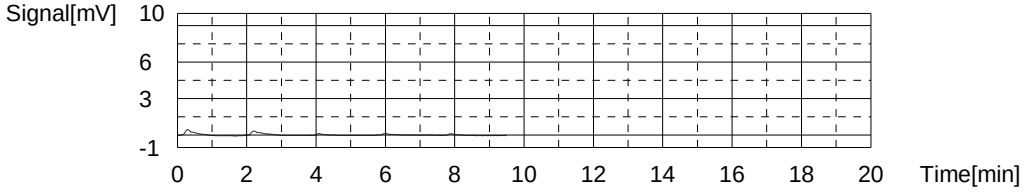
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.4205mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8390	-0.06056mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:32:26 PM
2	0.7342	-0.1159mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:34:29 PM
3	0.1431	-0.4283mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:36:33 PM
4	0.1919	-0.4025mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:38:36 PM
5	0.1386	-0.4306mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:40:40 PM

Mean Area 0.1579
Mean Conc. -0.4205mg/L



Sample

Sample Name: 640-48335-E-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

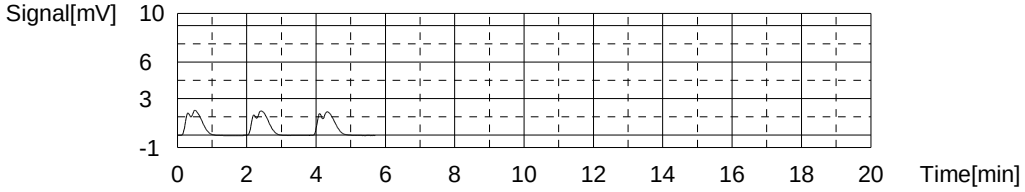
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.616mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.963	2.647mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:50:58 PM
2	5.888	2.607mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:53:02 PM
3	5.866	2.596mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 5:55:05 PM

Mean Area 5.906
Mean Conc. 2.616mg/L



Sample

Sample Name: 640-48335-F-3 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

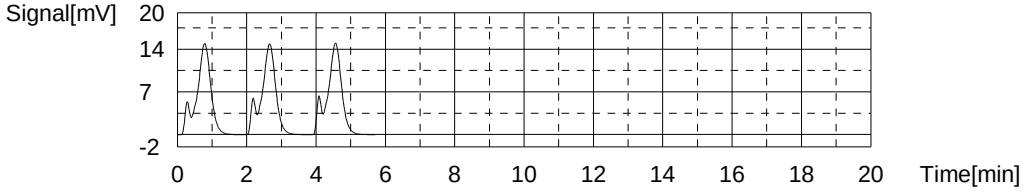
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.28mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.94	22.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:05:22 PM
2	42.91	22.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:07:25 PM
3	43.53	22.50mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:09:29 PM

Mean Area 43.13
Mean Conc. 22.28mg/L



Sample

Sample Name: 640-48335-F-3 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

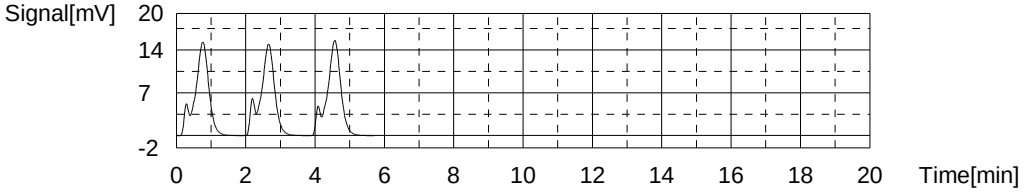
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.88	22.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:16:14 PM
2	42.91	22.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:18:17 PM
3	43.31	22.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:20:21 PM

Mean Area 43.03
Mean Conc. 22.23mg/L



Sample

Sample Name: 660-61363-N-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

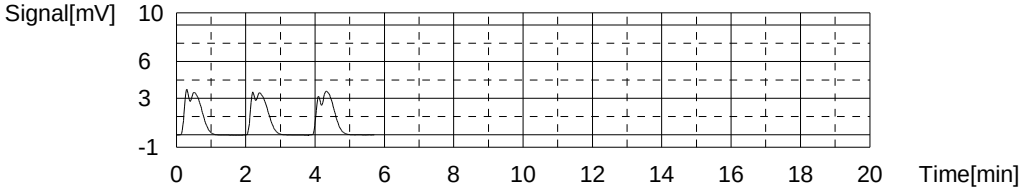
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.386mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.28	5.456mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:30:37 PM
2	11.04	5.329mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:32:41 PM
3	11.12	5.372mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:34:44 PM

Mean Area 11.15
Mean Conc. 5.386mg/L



Sample

Sample Name: 660-61363-M-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

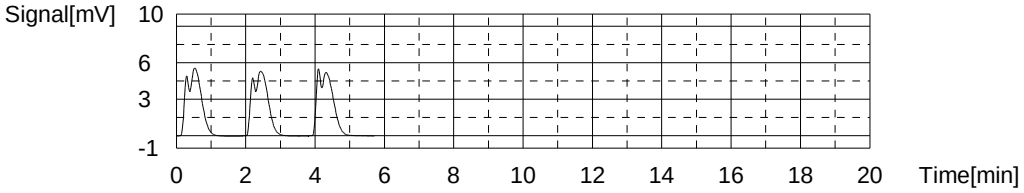
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.204mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.46	8.193mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:45:01 PM
2	16.48	8.204mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:47:04 PM
3	16.50	8.214mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:49:08 PM

Mean Area 16.48
Mean Conc. 8.204mg/L



Sample

Sample Name: 660-61363-N-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

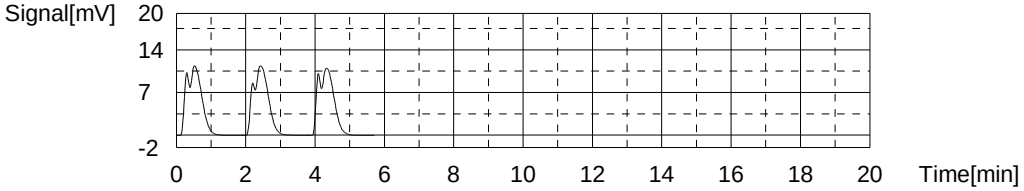
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.77mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.62	17.79mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 6:59:23 PM
2	34.45	17.70mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:01:27 PM
3	34.70	17.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:03:30 PM

Mean Area 34.59
Mean Conc. 17.77mg/L



Sample

Sample Name: 660-61363-L-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

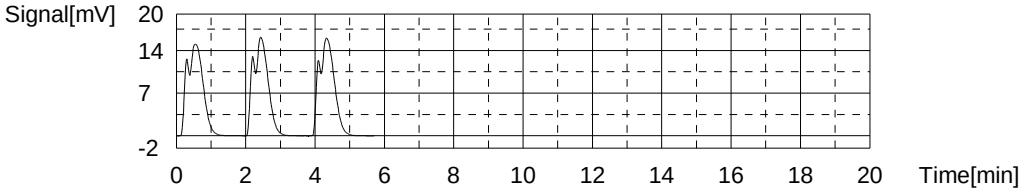
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.32	25.03mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:13:47 PM
2	48.59	25.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:15:50 PM
3	49.14	25.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:17:54 PM

Mean Area 48.68
Mean Conc. 25.22mg/L



Sample

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

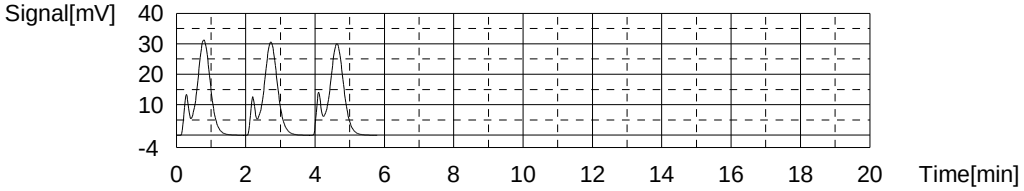
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.38	49.36mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:28:23 PM
2	93.95	49.14mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:30:27 PM
3	96.09	50.27mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:32:34 PM

Mean Area 94.81
Mean Conc. 49.59mg/L



Sample

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

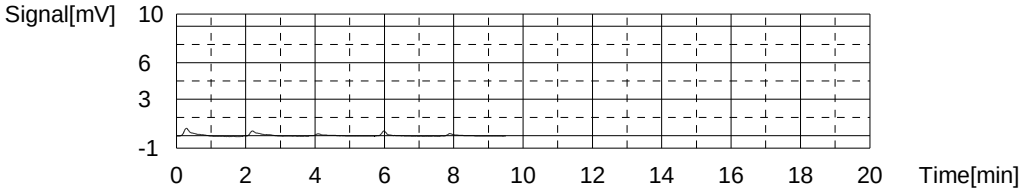
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3668mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.098	0.07628mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:42:50 PM
2	0.7337	-0.1162mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:44:54 PM
3	0.1839	-0.4067mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:46:57 PM
4	0.3851	-0.3004mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:49:01 PM
5	0.2092	-0.3933mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 7:51:04 PM

Mean Area 0.2594
Mean Conc. -0.3668mg/L



Sample

Sample Name: 660-61363-N-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

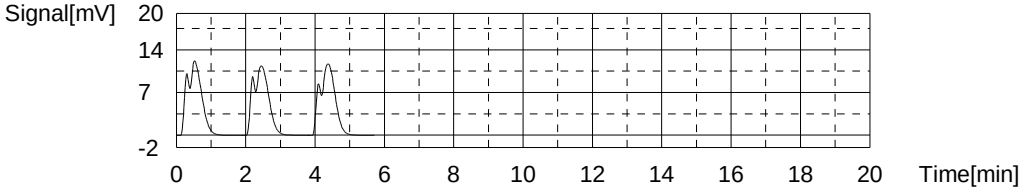
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.28mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.45	18.23mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:01:20 PM
2	35.44	18.22mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:03:24 PM
3	35.76	18.39mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:05:28 PM

Mean Area 35.55
Mean Conc. 18.28mg/L



Sample

Sample Name: 660-61363-N-12 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

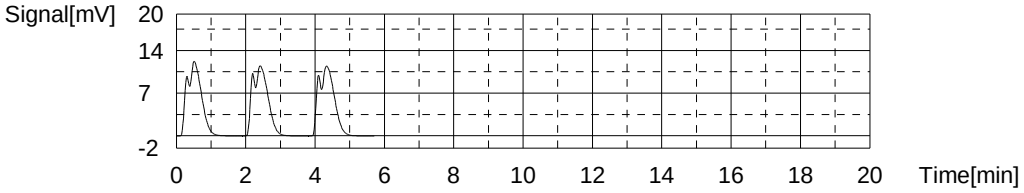
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.23	18.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:12:12 PM
2	35.49	18.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:14:16 PM
3	35.98	18.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:16:19 PM

Mean Area 35.57
Mean Conc. 18.29mg/L



Sample

Sample Name: 660-61363-M-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

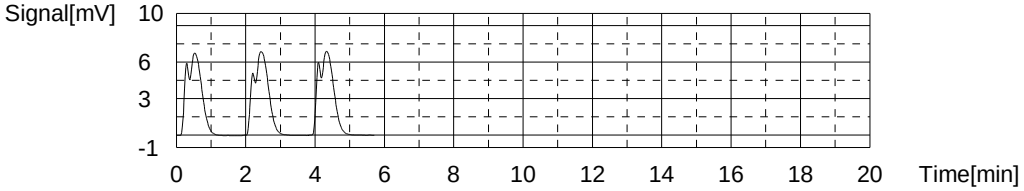
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.25	10.20mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:26:36 PM
2	20.67	10.42mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:28:39 PM
3	20.77	10.47mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:30:43 PM

Mean Area 20.56
Mean Conc. 10.36mg/L



Sample

Sample Name: 660-61363-M-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

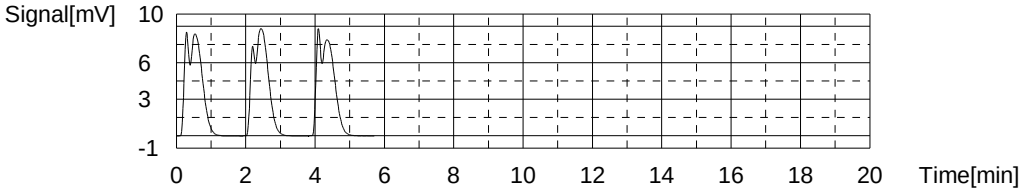
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:13.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.20	13.87mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:40:59 PM
2	27.28	13.91mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:43:03 PM
3	27.43	13.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:45:06 PM

Mean Area 27.30
Mean Conc. 13.92mg/L



Sample

Sample Name: 660-61363-M-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

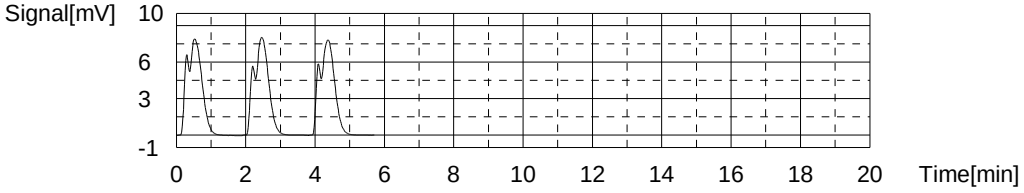
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.75	12.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:55:23 PM
2	23.60	11.97mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:57:26 PM
3	23.56	11.94mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 8:59:30 PM

Mean Area 23.64
Mean Conc. 11.98mg/L



Sample

Sample Name: 660-61374-I-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

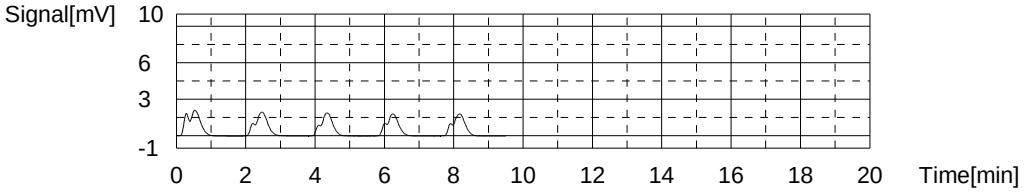
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.861mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.644	2.478mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:09:45 PM
2	4.817	2.041mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:11:49 PM
3	4.447	1.846mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:13:52 PM
4	4.452	1.848mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:15:56 PM
5	4.526	1.888mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:17:59 PM

Mean Area 4.475
Mean Conc. 1.861mg/L



Sample

Sample Name: 660-61374-J-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

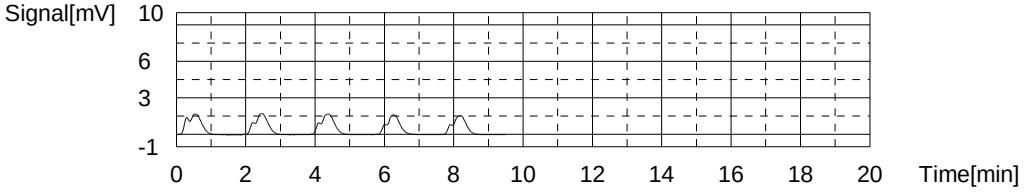
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.977mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.870	2.069mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:28:09 PM
2	4.599	1.926mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:30:12 PM
3	4.617	1.936mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:32:16 PM
4	4.174	1.702mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:34:19 PM
5	4.166	1.697mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:36:23 PM

Mean Area 4.695
Mean Conc. 1.977mg/L



Sample

Sample Name: 660-61374-K-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

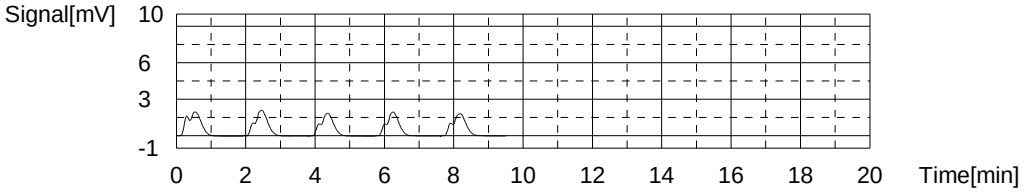
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.043mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.554	2.431mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:46:32 PM
2	5.404	2.351mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:48:36 PM
3	4.792	2.028mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:50:39 PM
4	4.755	2.009mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:52:43 PM
5	4.916	2.094mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 9:54:46 PM

Mean Area 4.821
Mean Conc. 2.043mg/L



Sample

Sample Name: 660-61374-I-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

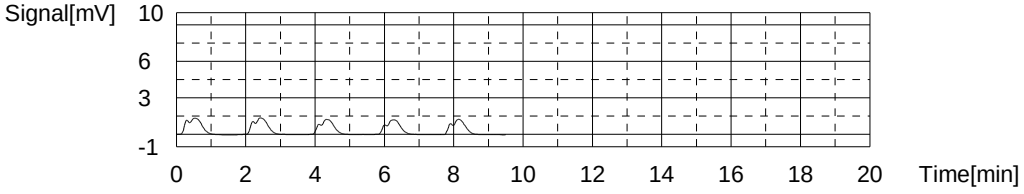
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.327mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.050	1.636mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:04:57 PM
2	3.879	1.546mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:07:01 PM
3	3.489	1.340mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:09:04 PM
4	3.442	1.315mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:11:08 PM
5	3.465	1.327mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:13:11 PM

Mean Area 3.465
Mean Conc. 1.327mg/L



Sample

Sample Name: 660-61374-J-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

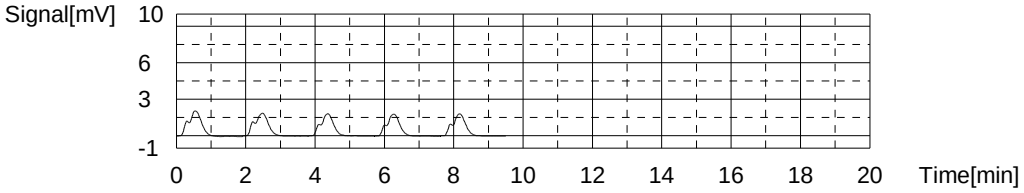
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.918mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.424	2.362mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:23:21 PM
2	5.123	2.203mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:25:25 PM
3	4.552	1.901mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:27:28 PM
4	4.571	1.911mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:29:32 PM
5	4.627	1.941mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:31:35 PM

Mean Area 4.583
Mean Conc. 1.918mg/L



Sample

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

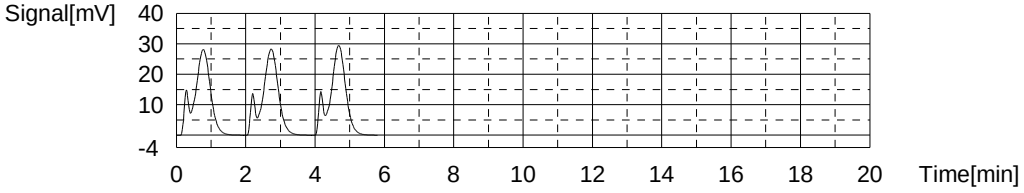
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.62	48.96mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:41:46 PM
2	94.16	49.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:43:53 PM
3	95.11	49.75mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:45:58 PM

Mean Area 94.30
Mean Conc. 49.32mg/L



Sample

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

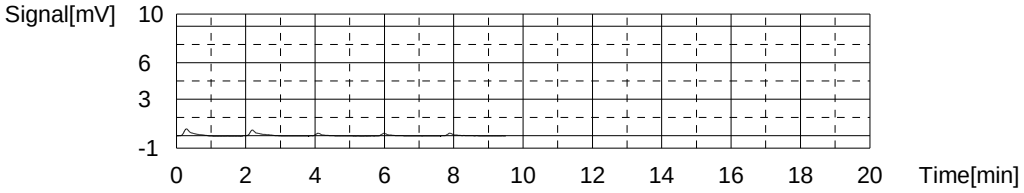
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9544	0.00041mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:56:14 PM
2	0.8322	-0.06416mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 10:58:18 PM
3	0.2528	-0.3703mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:00:21 PM
4	0.2479	-0.3729mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:02:25 PM
5	0.2489	-0.3724mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:04:28 PM

Mean Area 0.2499
Mean Conc. -0.3718mg/L



Sample

Sample Name: 660-61392-C-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

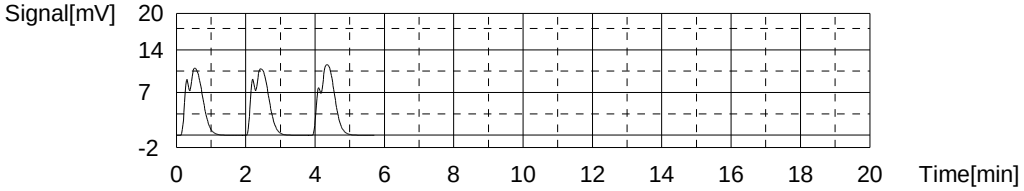
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.39	17.67mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:14:37 PM
2	34.82	17.89mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:16:40 PM
3	34.87	17.92mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:18:44 PM

Mean Area 34.69
Mean Conc. 17.83mg/L



Sample

Sample Name: 660-61392-A-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

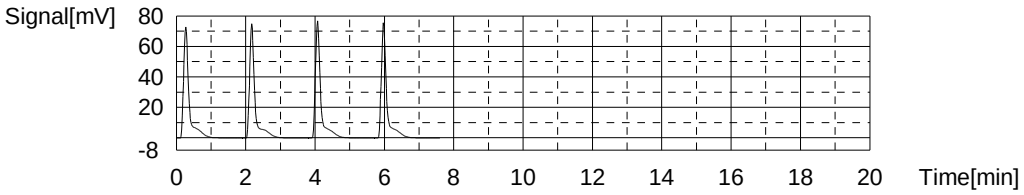
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:41.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	78.77	41.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:29:01 PM
2	79.61	41.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:31:05 PM
3	82.28	42.97mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:33:08 PM
4	80.40	41.98mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:35:12 PM

Mean Area 79.59
Mean Conc. 41.55mg/L



Sample

Sample Name: 660-61392-A-3
Sample ID: M50/SED
Origin: TOC415.1A.met
Status Completed
Chk. Result

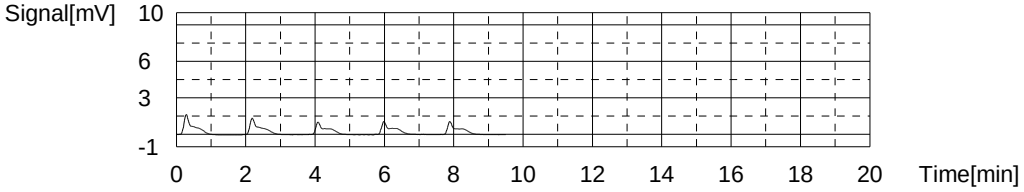
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:33.09mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.971	53.30mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:45:27 PM
2	2.680	45.61mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:47:30 PM
3	2.183	32.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:49:34 PM
4	2.238	33.93mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:51:37 PM
5	2.198	32.87mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/3/2014 11:53:41 PM

Mean Area 2.206
Mean Conc. 33.09mg/L



Sample

Sample Name: 660-61392-A-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

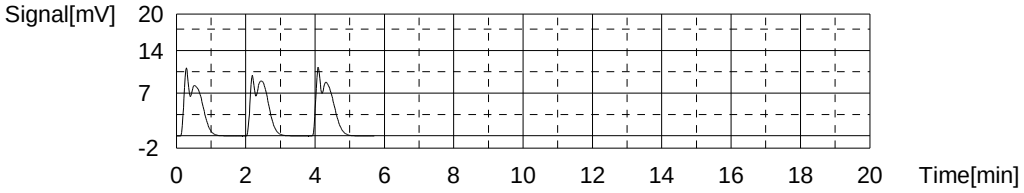
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.86	15.80mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:03:51 AM
2	30.71	15.72mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:05:55 AM
3	31.32	16.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:07:58 AM

Mean Area 30.96
Mean Conc. 15.86mg/L



Sample

Sample Name: 660-61392-B-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

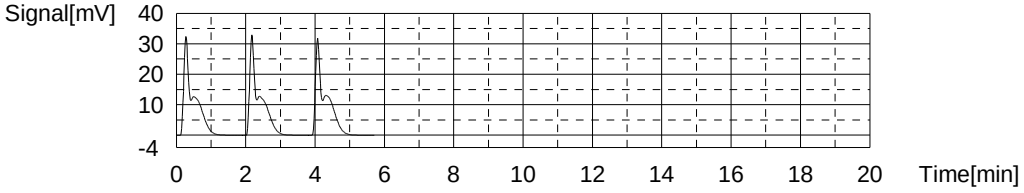
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.63mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.09	31.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:18:15 AM
2	61.37	31.92mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:20:18 AM
3	60.97	31.71mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:22:22 AM

Mean Area 60.81
Mean Conc. 31.63mg/L



Sample

Sample Name: 660-61392-B-6
Sample ID: M5/SED
Origin: TOC415.1A.met
Status Completed
Chk. Result

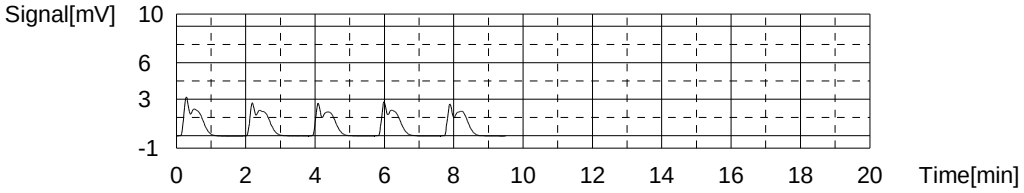
Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:17.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.325	19.47mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:32:39 AM
2	7.926	18.42mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:34:42 AM
3	7.488	17.26mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:36:46 AM
4	7.587	17.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:38:49 AM
5	7.684	17.78mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:40:53 AM

Mean Area 7.586
Mean Conc. 17.52mg/L



Sample

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

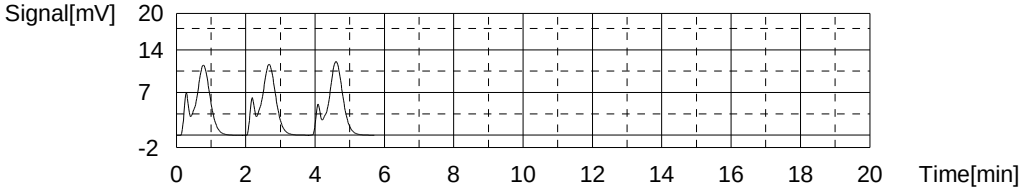
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.39mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.76	19.45mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:51:06 AM
2	37.55	19.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:53:10 AM
3	37.67	19.40mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:55:14 AM

Mean Area 37.66
Mean Conc. 19.39mg/L



Sample

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

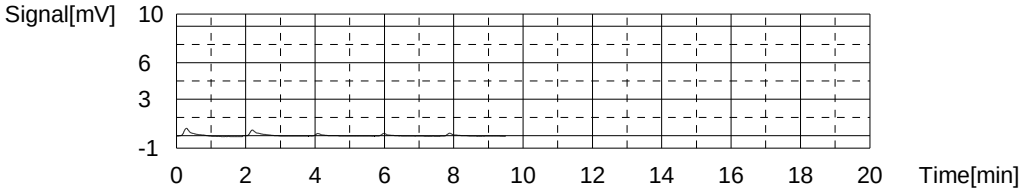
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3824mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.044	0.04775mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:05:40 AM
2	0.8484	-0.05560mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:07:43 AM
3	0.2024	-0.3969mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:09:47 AM
4	0.2292	-0.3828mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:11:50 AM
5	0.2581	-0.3675mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:13:54 AM

Mean Area 0.2299
Mean Conc. -0.3824mg/L



Sample

Sample Name: 660-61392-A-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

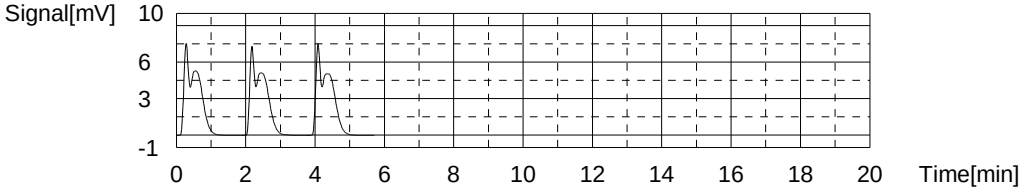
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.871mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.57	9.836mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:24:09 AM
2	19.54	9.820mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:26:12 AM
3	19.80	9.958mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:28:16 AM

Mean Area 19.64
Mean Conc. 9.871mg/L



Sample

Sample Name: 660-61392-A-7 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

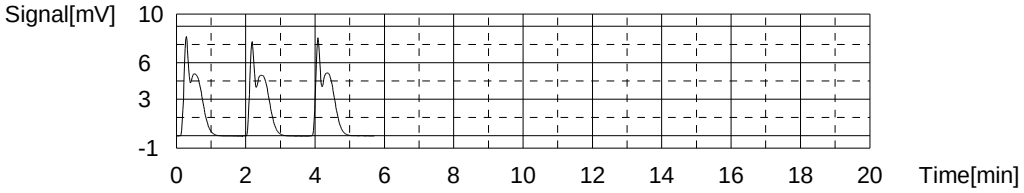
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.919mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.63	9.868mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:35:00 AM
2	19.83	9.974mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:37:03 AM
3	19.72	9.916mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:39:07 AM

Mean Area 19.73
Mean Conc. 9.919mg/L



Sample

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

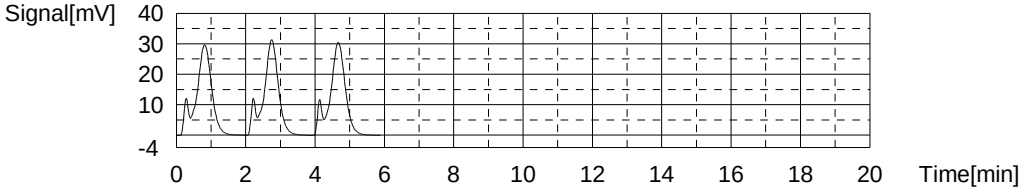
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.06	49.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:49:38 AM
2	94.82	49.60mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:51:43 AM
3	94.67	49.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:53:54 AM

Mean Area 94.52
Mean Conc. 49.44mg/L



Sample

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

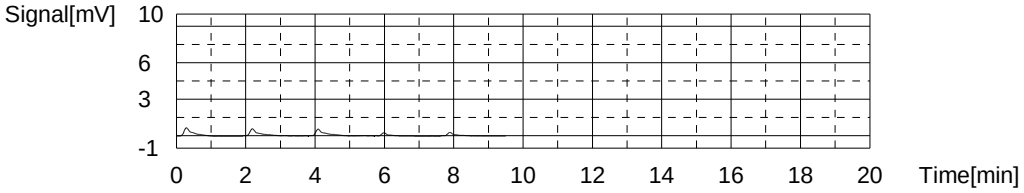
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03222mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.148	0.1027mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:04:11 AM
2	0.9136	-0.02115mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:06:14 AM
3	0.9822	0.01510mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:08:18 AM
4	0.2668	-0.3629mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:10:21 AM
5	0.3011	-0.3448mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:12:25 AM

Mean Area 1.015
Mean Conc. 0.03222mg/L



Sample

Sample Name: 660-61392-C-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

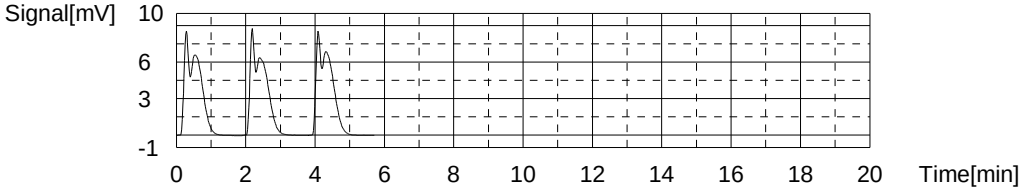
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.65	11.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:22:39 AM
2	23.62	11.98mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:24:43 AM
3	24.11	12.24mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:26:46 AM

Mean Area 23.79
Mean Conc. 12.07mg/L



Sample

Sample Name: 660-61392-B-8 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

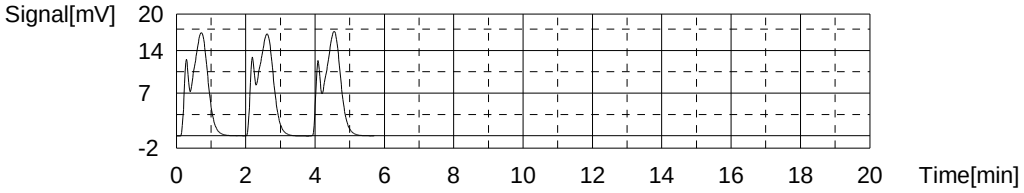
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.21mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.31	30.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:37:04 AM
2	59.80	31.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:39:07 AM
3	60.94	31.69mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:41:11 AM

Mean Area 60.02
Mean Conc. 31.21mg/L



Sample

Sample Name: 660-61392-B-8 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

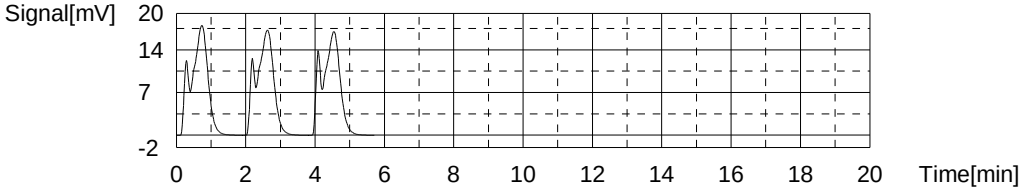
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.59	31.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:47:56 AM
2	60.34	31.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:49:59 AM
3	61.20	31.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:52:03 AM

Mean Area 60.71
Mean Conc. 31.57mg/L



Sample

Sample Name: 680-102616-J-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

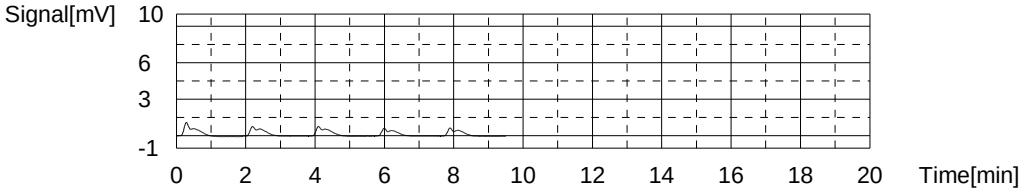
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4389mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.368	0.7473mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:02:18 AM
2	1.866	0.4821mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:04:22 AM
3	1.934	0.5180mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:06:25 AM
4	1.459	0.2670mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:08:29 AM
5	1.553	0.3167mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:10:32 AM

Mean Area 1.784
Mean Conc. 0.4389mg/L



Sample

Sample Name: 680-102616-I-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

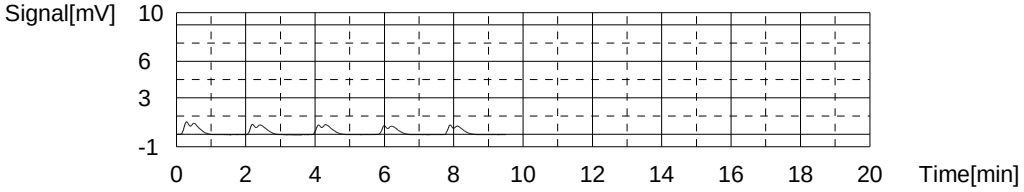
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5988mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.617	0.8789mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:20:43 AM
2	2.334	0.7293mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:22:47 AM
3	2.288	0.7050mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:24:50 AM
4	1.970	0.5370mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:26:54 AM
5	2.003	0.5545mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:28:57 AM

Mean Area 2.087
Mean Conc. 0.5988mg/L



Sample

Sample Name: 680-102616-J-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

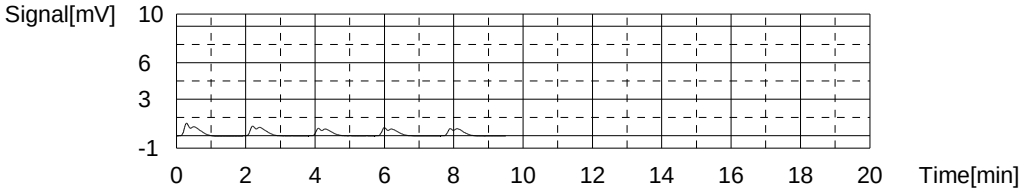
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3771mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.557	0.8472mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:39:07 AM
2	2.104	0.6078mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:41:11 AM
3	1.633	0.3590mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:43:14 AM
4	1.706	0.3975mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:45:18 AM
5	1.663	0.3748mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:47:21 AM

Mean Area 1.667
Mean Conc. 0.3771mg/L



Sample

Sample Name: 680-102616-I-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

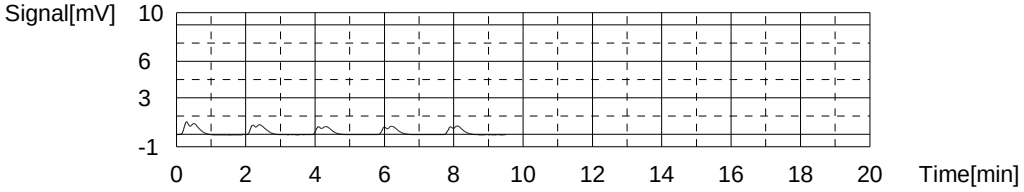
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4567mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.573	0.8556mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:57:32 AM
2	2.217	0.6675mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:59:36 AM
3	1.806	0.4504mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:01:39 AM
4	1.800	0.4472mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:03:43 AM
5	1.848	0.4726mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:05:46 AM

Mean Area 1.818
Mean Conc. 0.4567mg/L



Sample

Sample Name: 680-102616-J-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

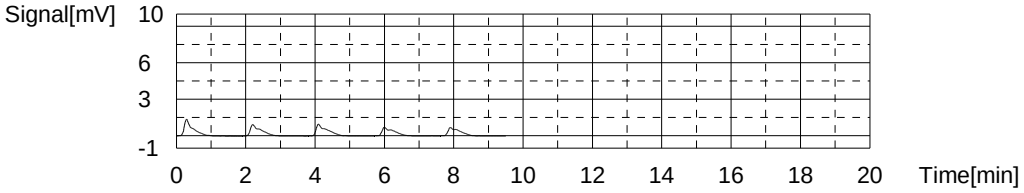
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5911mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.282	0.7019mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:15:58 AM
2	1.922	0.5117mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:18:01 AM
3	2.013	0.5597mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:20:05 AM
4	1.578	0.3299mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:22:08 AM
5	1.553	0.3167mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:24:12 AM

Mean Area 2.072
Mean Conc. 0.5911mg/L



Sample

Sample Name: 680-102616-H-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

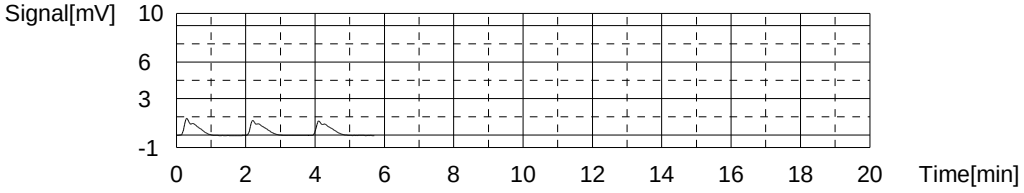
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.164mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.258	1.218mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:34:21 AM
2	3.119	1.144mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:36:25 AM
3	3.092	1.130mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:38:28 AM

Mean Area 3.156
Mean Conc. 1.164mg/L



Sample

Sample Name: 680-102616-I-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

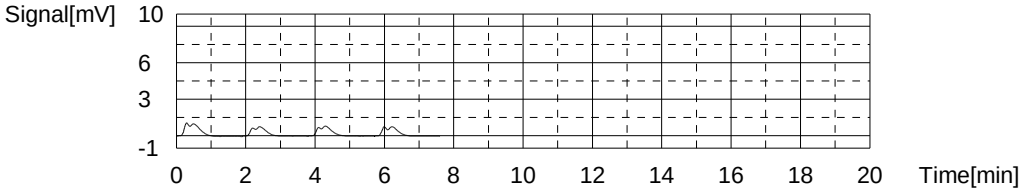
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6006mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.907	1.032mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:48:45 AM
2	2.014	0.5603mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:50:48 AM
3	2.136	0.6247mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:52:52 AM
4	2.121	0.6168mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:54:55 AM

Mean Area 2.090
Mean Conc. 0.6006mg/L



Sample

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

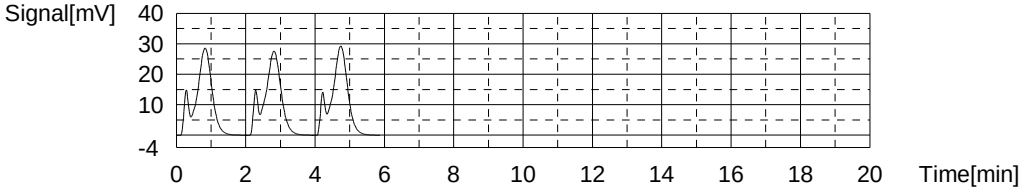
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.61	49.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:05:17 AM
2	94.67	49.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:07:23 AM
3	96.04	50.24mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:09:29 AM

Mean Area 95.11
Mean Conc. 49.75mg/L



Sample

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

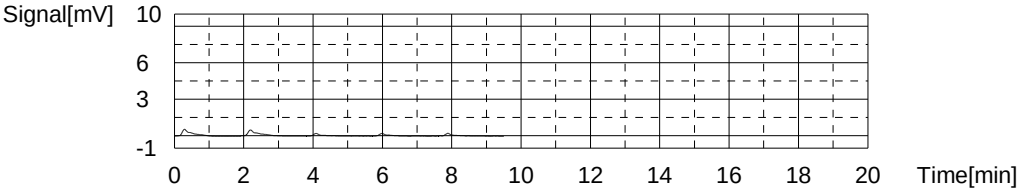
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3831mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.019	0.03454mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:19:46 AM
2	0.8937	-0.03166mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:21:50 AM
3	0.2445	-0.3747mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:23:54 AM
4	0.2515	-0.3710mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:25:57 AM
5	0.1896	-0.4037mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:28:01 AM

Mean Area 0.2285
Mean Conc. -0.3831mg/L



Sample

Sample Name: 680-102616-I-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

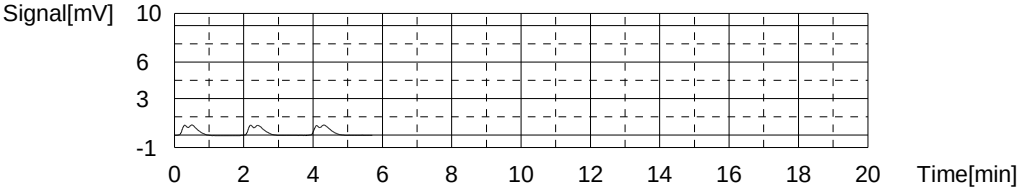
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7463mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.357	0.7415mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:38:12 AM
2	2.334	0.7293mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:40:15 AM
3	2.407	0.7679mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:42:19 AM

Mean Area 2.366
Mean Conc. 0.7463mg/L



Sample

Sample Name: 680-102616-J-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

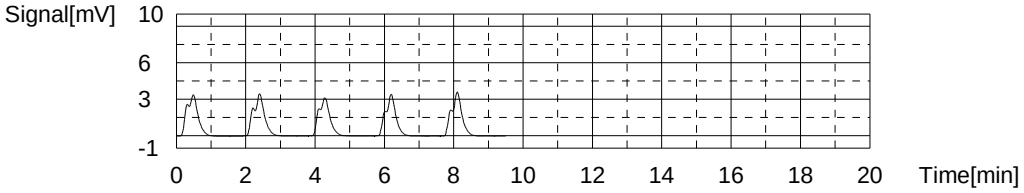
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.442mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.534	3.477mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:52:35 AM
2	7.483	3.450mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:54:39 AM
3	6.868	3.125mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:56:43 AM
4	6.920	3.152mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:58:46 AM
5	7.387	3.399mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:00:50 AM

Mean Area 7.468
Mean Conc. 3.442mg/L



Sample

Sample Name: 680-102616-J-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

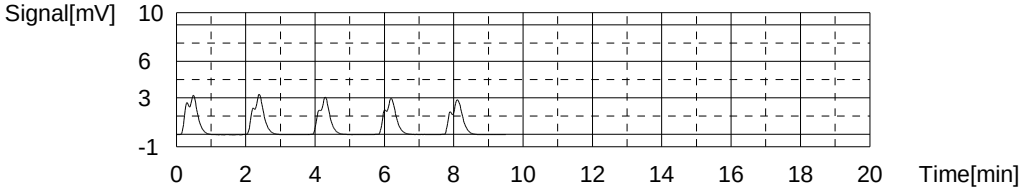
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.909mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.121	3.259mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:11:00 AM
2	6.864	3.123mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:13:04 AM
3	6.484	2.922mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:15:07 AM
4	6.494	2.927mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:17:11 AM
5	6.401	2.878mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:19:14 AM

Mean Area 6.460
Mean Conc. 2.909mg/L



Sample

Sample Name: 680-102616-J-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

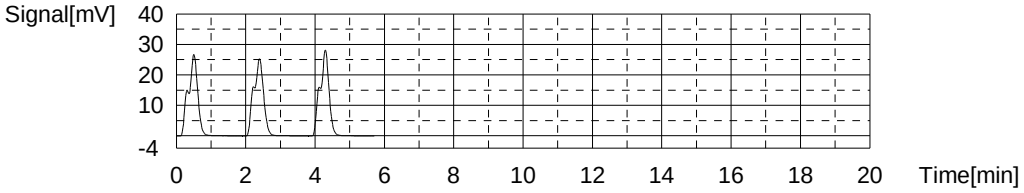
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	50.36	26.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:29:26 AM
2	50.15	25.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:31:30 AM
3	50.81	26.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:33:33 AM

Mean Area 50.44
Mean Conc. 26.15mg/L



Sample

Sample Name: 680-102616-I-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

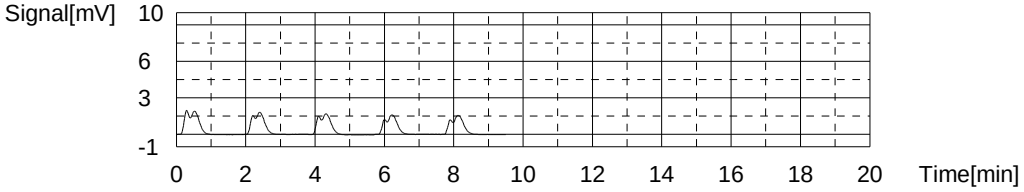
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.733mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.031	2.154mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:43:49 AM
2	4.363	1.801mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:45:53 AM
3	4.345	1.792mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:47:56 AM
4	3.876	1.544mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:50:00 AM
5	3.992	1.605mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:52:03 AM

Mean Area 4.233
Mean Conc. 1.733mg/L



Sample

Sample Name: 680-102616-J-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

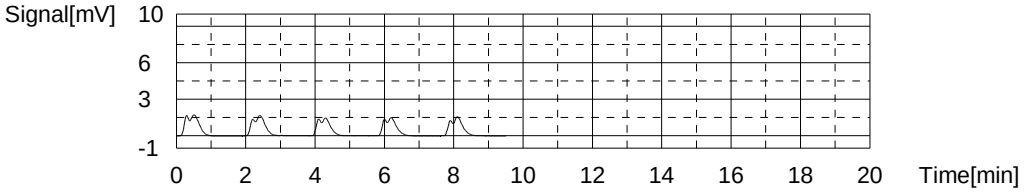
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.442mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.534	1.892mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:02:14 AM
2	4.087	1.656mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:04:18 AM
3	3.590	1.393mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:06:21 AM
4	3.696	1.449mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:08:25 AM
5	3.762	1.484mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:10:28 AM

Mean Area 3.683
Mean Conc. 1.442mg/L



Sample

Sample Name: 680-102616-J-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

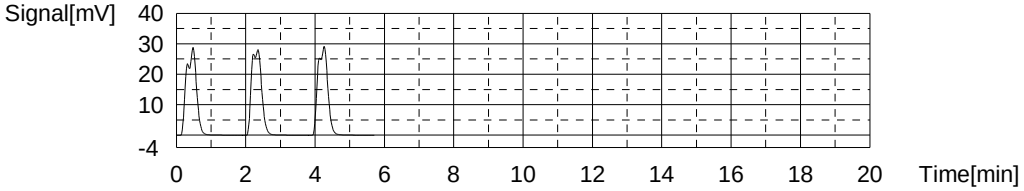
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.21	29.72mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:20:39 AM
2	56.94	29.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:22:43 AM
3	57.59	29.92mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:24:46 AM

Mean Area 57.25
Mean Conc. 29.74mg/L



Sample

Sample Name: 680-102616-K-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

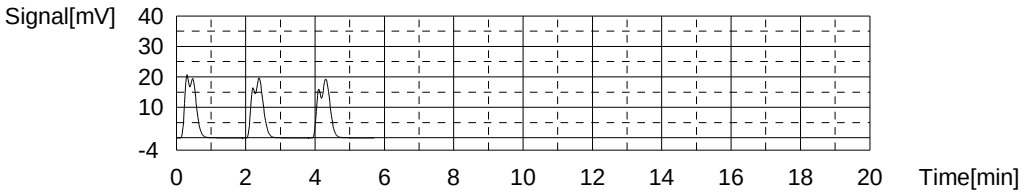
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.24	22.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:35:04 AM
2	42.67	22.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:37:07 AM
3	43.68	22.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:39:11 AM

Mean Area 43.20
Mean Conc. 22.32mg/L



Sample

Sample Name: 680-102787-A-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

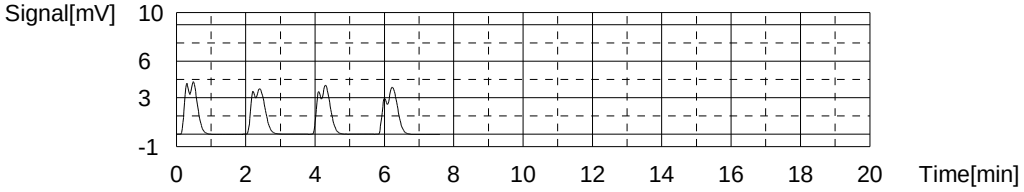
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.613mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.03	4.796mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:49:27 AM
2	9.644	4.592mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:51:31 AM
3	9.693	4.618mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:53:34 AM
4	9.715	4.629mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:55:38 AM

Mean Area 9.684
Mean Conc. 4.613mg/L



Sample

Sample Name: 680-102823-A-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

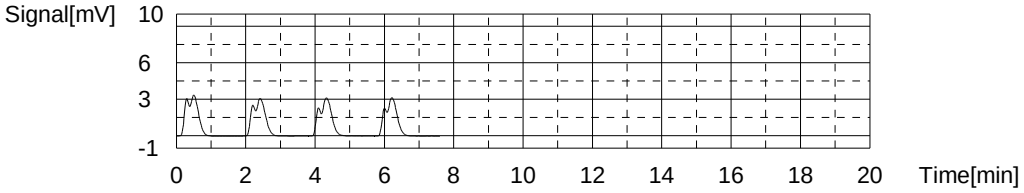
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.524mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.191	3.824mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:05:54 AM
2	7.699	3.564mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:07:58 AM
3	7.658	3.542mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:10:02 AM
4	7.514	3.466mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:12:06 AM

Mean Area 7.624
Mean Conc. 3.524mg/L



Sample

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

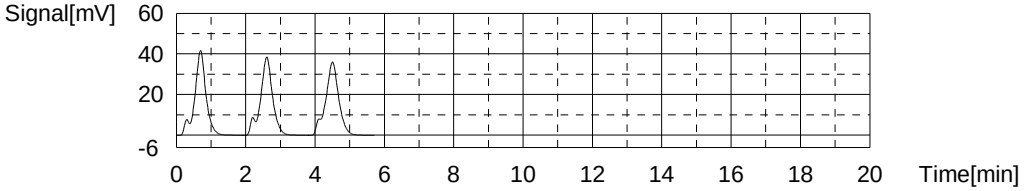
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.36mg/L

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	7/4/2014 8:22:31 AM
2	94.23	49.28mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:24:35 AM
3	95.01	49.70mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:26:38 AM

Mean Area 94.38
Mean Conc. 49.36mg/L



Sample

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

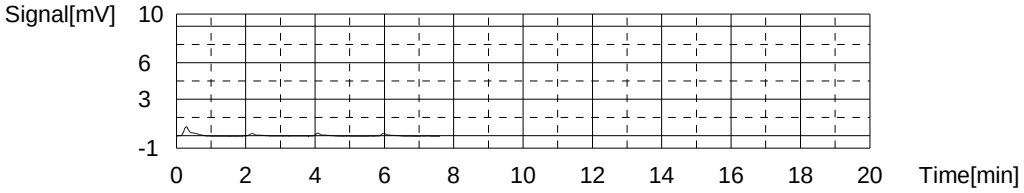
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3516mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.124	0.09002mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:36:56 AM
2	0.2897	-0.3508mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:39:00 AM
3	0.2610	-0.3660mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:41:04 AM
4	0.3137	-0.3381mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:43:08 AM

Mean Area 0.2881
Mean Conc. -0.3516mg/L



Sample

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

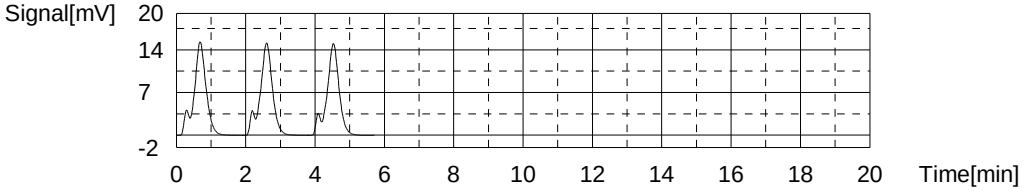
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.41	19.26mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:53:31 AM
2	37.63	19.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:55:35 AM
3	37.13	19.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:57:38 AM

Mean Area 37.39
Mean Conc. 19.25mg/L



Sample

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

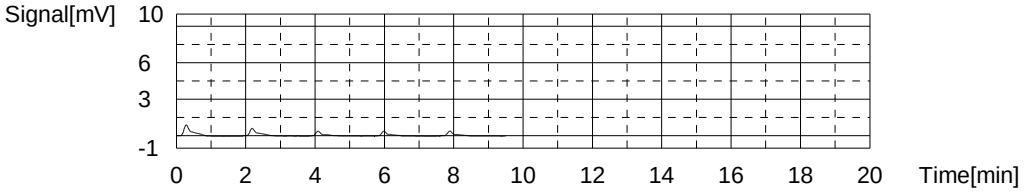
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2218mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.399	0.2353mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:07:55 AM
2	0.9991	0.02403mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:09:59 AM
3	0.5170	-0.2307mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:12:03 AM
4	0.5317	-0.2229mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:14:07 AM
5	0.5531	-0.2116mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:16:10 AM

Mean Area 0.5339
Mean Conc. -0.2218mg/L



Sample

Sample Name: 680-102815-D-1
Sample ID: For All
Origin: TOC415.1A.met
Status Completed
Chk. Result

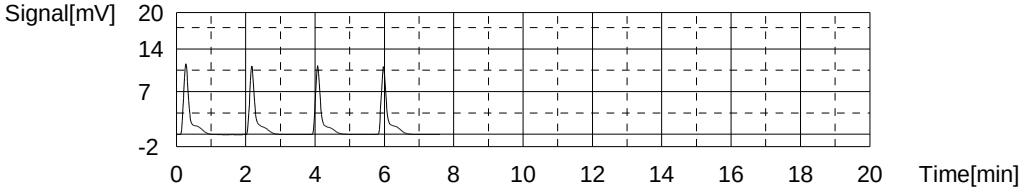
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.513mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.80	6.788mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:26:22 AM
2	13.16	6.449mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:28:26 AM
3	13.16	6.449mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:30:29 AM
4	13.52	6.640mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:32:33 AM

Mean Area 13.28
Mean Conc. 6.513mg/L



Sample

Sample Name: 680-102815-D-1 DU
Sample ID: Samples
Origin: TOC415.1A.met
Status Completed
Chk. Result

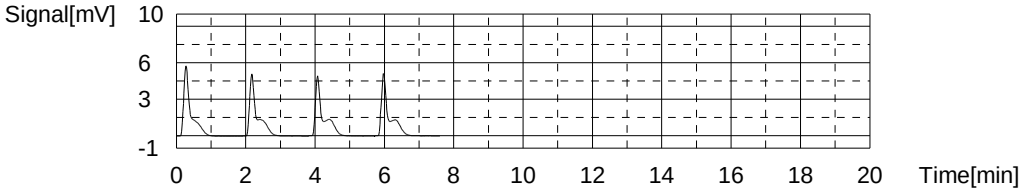
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.488mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.989	3.717mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:39:16 AM
2	7.523	3.471mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:41:20 AM
3	7.489	3.453mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:43:24 AM
4	7.651	3.539mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:45:27 AM

Mean Area 7.554
Mean Conc. 3.488mg/L



Sample

Sample Name: 680-102815-D-2
Sample ID: Plas/pH
Origin: TOC415.1A.met
Status Completed
Chk. Result

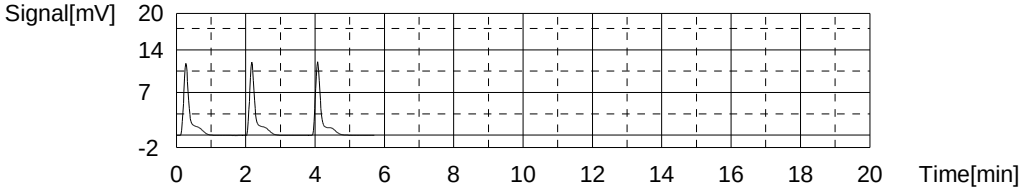
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.974mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.98	6.883mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:55:44 AM
2	14.35	7.078mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:57:47 AM
3	14.13	6.962mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:59:51 AM

Mean Area 14.15
Mean Conc. 6.974mg/L



Sample

Sample Name: 680-102815-D-2 MS
Sample ID: FF
Origin: TOC415.1A.met
Status Completed
Chk. Result

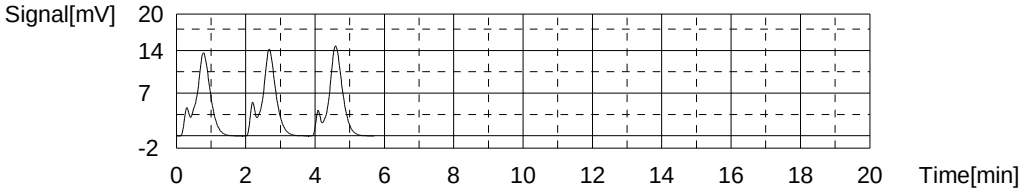
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.76	21.03mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:10:10 AM
2	41.13	21.23mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:12:14 AM
3	41.52	21.43mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:14:18 AM

Mean Area 41.14
Mean Conc. 21.23mg/L



Sample

Sample Name: 680-102815-D-2 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

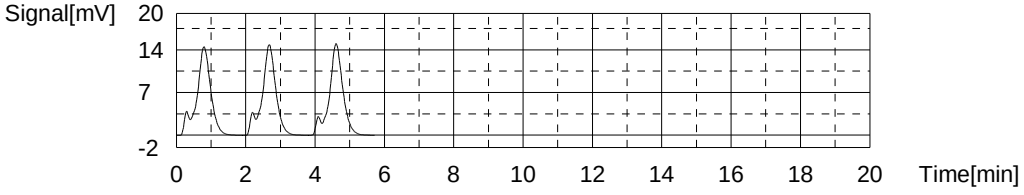
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.31mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.33	21.33mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:21:03 AM
2	41.21	21.27mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:23:07 AM
3	41.31	21.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:25:12 AM

Mean Area 41.28
Mean Conc. 21.31mg/L



Sample

Sample Name: 680-102815-D-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

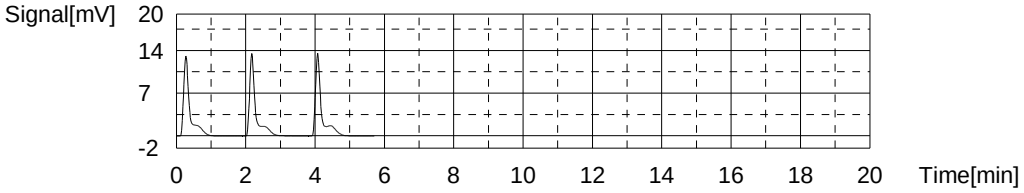
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.086mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.06	7.982mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:35:32 AM
2	16.24	8.077mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:37:36 AM
3	16.47	8.198mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:39:40 AM

Mean Area 16.26
Mean Conc. 8.086mg/L



Sample

Sample Name: 680-102815-D-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

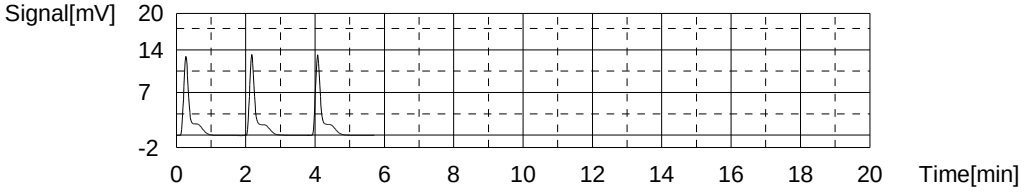
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.130mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	7.939mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:49:59 AM
2	16.50	8.214mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:52:03 AM
3	16.54	8.235mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:54:07 AM

Mean Area 16.34
Mean Conc. 8.130mg/L



Sample

Sample Name: 680-102815-D-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

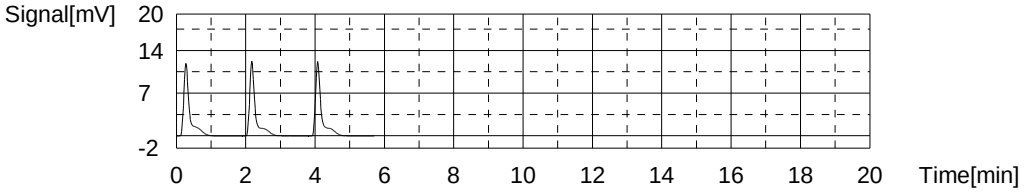
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.892mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.82	6.798mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:04:25 AM
2	13.98	6.883mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:06:29 AM
3	14.19	6.994mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:08:33 AM

Mean Area 14.00
Mean Conc. 6.892mg/L



Sample

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

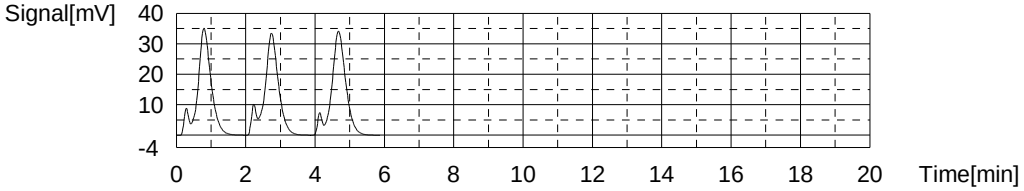
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.81mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.42	50.44mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:18:54 AM
2	96.66	50.57mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:20:59 AM
3	98.30	51.43mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:23:10 AM

Mean Area 97.13
Mean Conc. 50.81mg/L



Sample

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

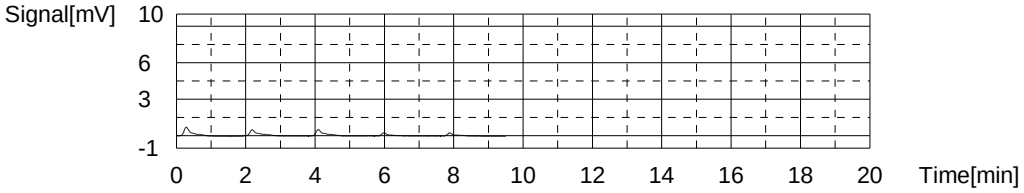
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.01164mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.076	0.06466mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:33:29 AM
2	0.8434	-0.05824mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:35:33 AM
3	0.8754	-0.04133mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:37:37 AM
4	0.3028	-0.3439mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:39:40 AM
5	0.2632	-0.3648mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:41:44 AM

Mean Area 0.9316
Mean Conc. -0.01164mg/L



Sample

Sample Name: 680-102815-D-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

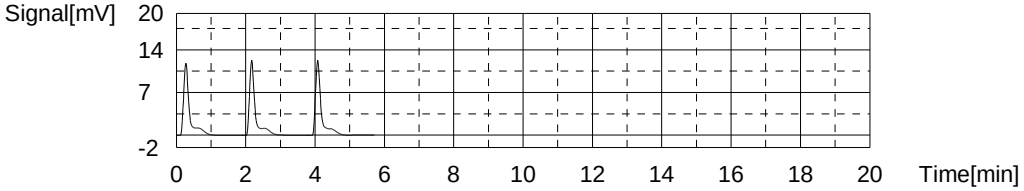
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.909mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.83	6.803mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:51:57 AM
2	14.04	6.914mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:54:01 AM
3	14.22	7.010mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 11:56:05 AM

Mean Area 14.03
Mean Conc. 6.909mg/L



Sample

Sample Name: 680-102815-D-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

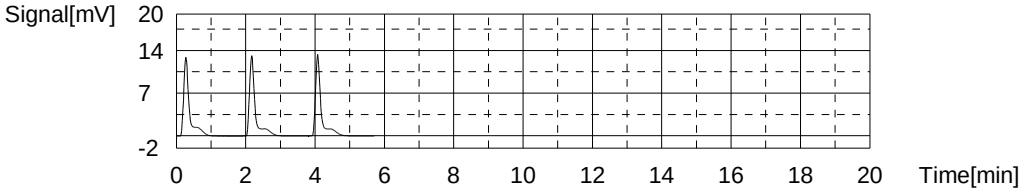
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.408mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.78	7.305mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:06:24 PM
2	15.21	7.533mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:08:28 PM
3	14.93	7.385mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:10:32 PM

Mean Area 14.97
Mean Conc. 7.408mg/L



Sample

Sample Name: 680-102815-D-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

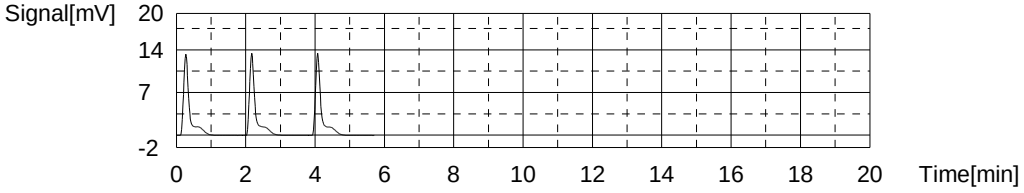
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.732mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.56	7.718mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:20:50 PM
2	15.64	7.760mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:22:54 PM
3	15.56	7.718mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:24:58 PM

Mean Area 15.59
Mean Conc. 7.732mg/L



Sample

Sample Name: 680-102815-D-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

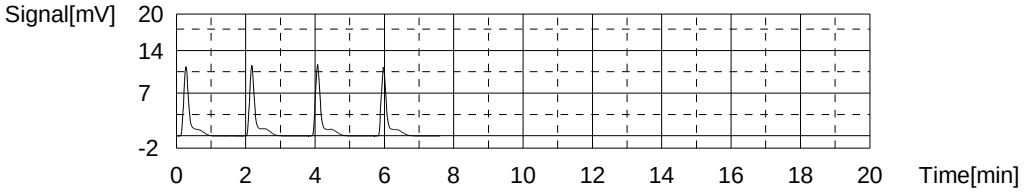
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.596mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.02	6.375mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:35:16 PM
2	13.56	6.661mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:37:20 PM
3	13.62	6.692mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:39:24 PM
4	13.13	6.434mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:41:28 PM

Mean Area 13.44
Mean Conc. 6.596mg/L



Sample

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

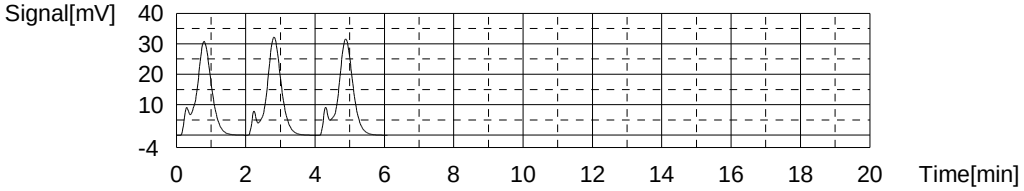
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.88mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.86	50.67mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:52:00 PM
2	97.17	50.84mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:54:14 PM
3	97.74	51.14mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 12:56:28 PM

Mean Area 97.26
Mean Conc. 50.88mg/L



Sample

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

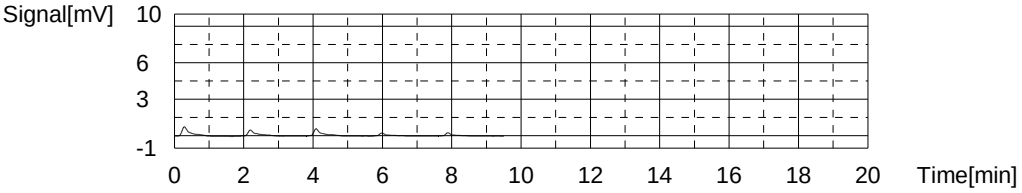
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02424mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.202	0.1312mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:06:45 PM
2	0.8597	-0.04963mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:08:49 PM
3	0.9368	-0.00889mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:10:53 PM
4	0.2778	-0.3571mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:12:57 PM
5	0.2845	-0.3535mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:15:01 PM

Mean Area 0.9995
Mean Conc. 0.02424mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

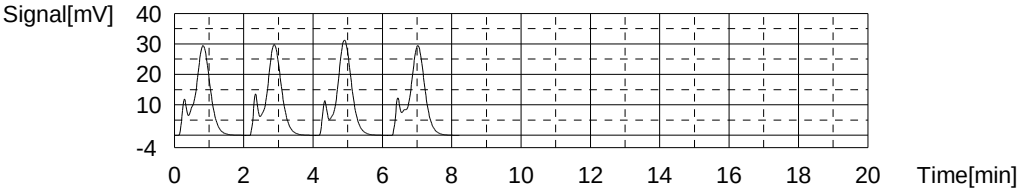
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.25	50.35mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:25:25 PM
2	97.34	50.93mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:27:35 PM
3	99.01	51.81mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:29:51 PM
4	98.20	51.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:32:05 PM

Mean Area 97.70
Mean Conc. 51.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

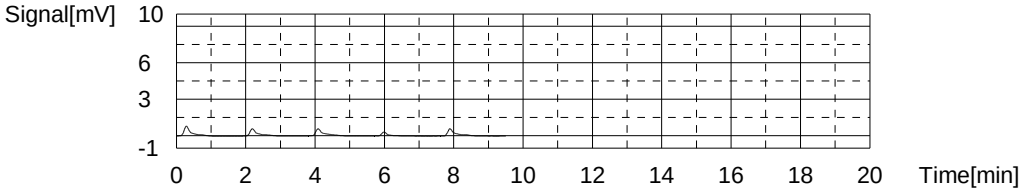
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01633mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.155	0.1064mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:42:23 PM
2	0.9141	-0.02088mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:44:26 PM
3	0.9136	-0.02115mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:46:30 PM
4	0.3433	-0.3225mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:48:34 PM
5	0.9554	0.00094mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 1:50:38 PM

Mean Area 0.9845
Mean Conc. 0.01633mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

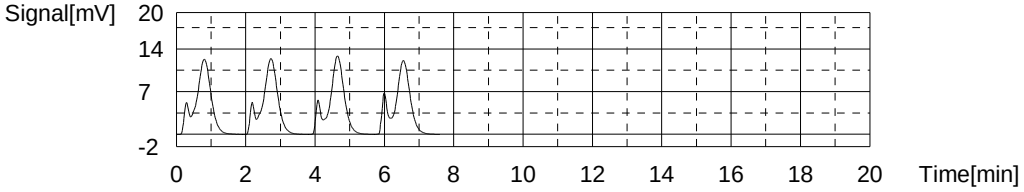
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.09mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.79	19.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:00:51 PM
2	38.77	19.98mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:02:56 PM
3	39.38	20.30mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:04:59 PM
4	39.00	20.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:07:03 PM

Mean Area 38.98
Mean Conc. 20.09mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

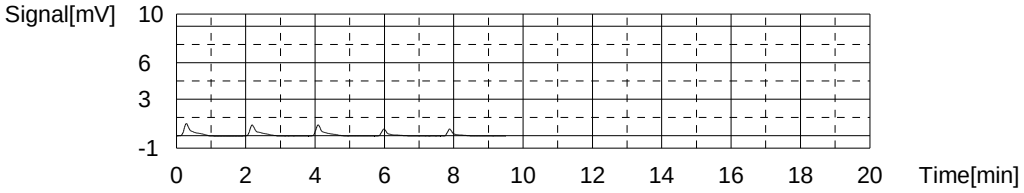
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1935mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.640	0.3627mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:17:21 PM
2	1.455	0.2649mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:19:24 PM
3	1.426	0.2496mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:21:28 PM
4	0.7586	-0.1030mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:23:32 PM
5	0.6754	-0.1470mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:25:36 PM

Mean Area 1.320
Mean Conc. 0.1935mg/L



Sample

Sample Name: 680-102591-B-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

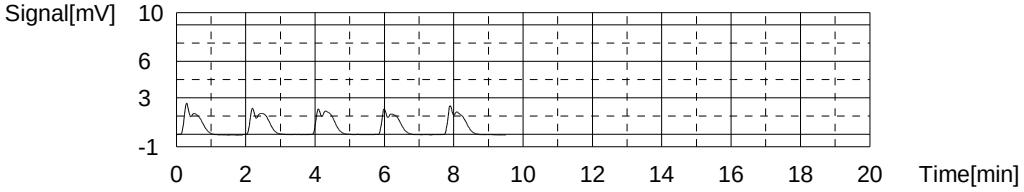
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.867mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.339	2.845mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:35:46 PM
2	6.322	2.836mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:37:50 PM
3	6.448	2.903mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:39:54 PM
4	5.830	2.577mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:41:58 PM
5	6.408	2.882mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:44:02 PM

Mean Area 6.379
Mean Conc. 2.867mg/L



Sample

Sample Name: 680-102591-B-1 DU
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

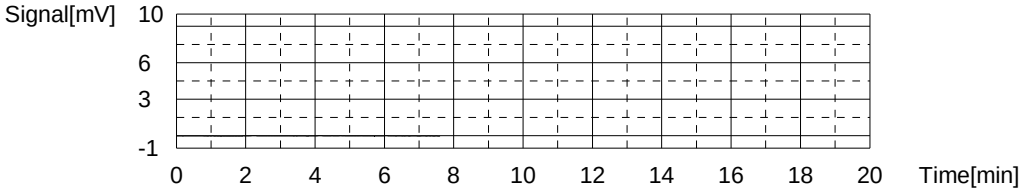
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

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	7/4/2014 2:52:14 PM
2	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:54:17 PM
3	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:56:21 PM
4	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 2:58:25 PM

Mean Area 0.000
Mean Conc. -0.5039mg/L



Sample

Sample Name: 680-102591-B-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

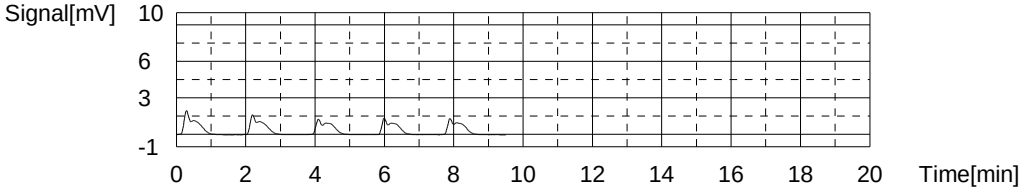
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.385mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.363	1.801mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:08:42 PM
2	3.924	1.569mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:10:46 PM
3	3.450	1.319mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:12:50 PM
4	3.463	1.326mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:14:54 PM
5	3.463	1.326mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:16:57 PM

Mean Area 3.575
Mean Conc. 1.385mg/L



Sample

Sample Name: 680-102591-B-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

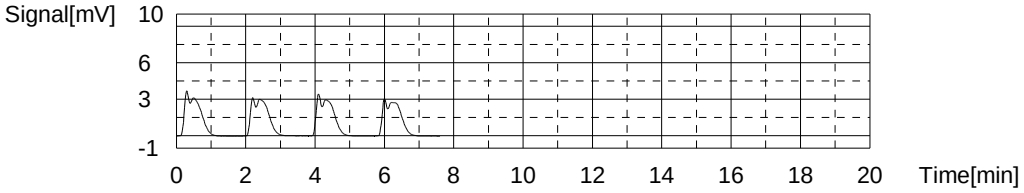
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.916mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.42	5.002mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:27:09 PM
2	10.18	4.875mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:29:12 PM
3	10.39	4.986mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:31:16 PM
4	10.04	4.801mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:33:20 PM

Mean Area 10.26
Mean Conc. 4.916mg/L



Sample

Sample Name: 680-102591-B-4 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

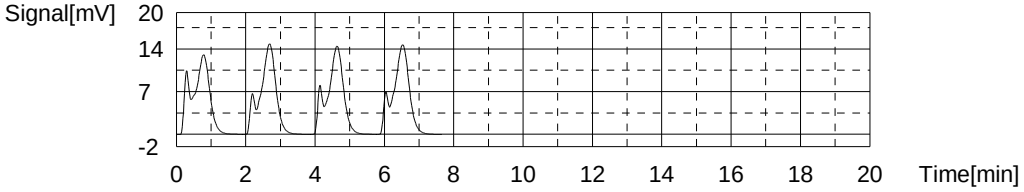
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.70	24.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:43:35 PM
2	47.08	24.37mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:45:42 PM
3	47.24	24.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:47:46 PM
4	47.77	24.74mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 3:49:49 PM

Mean Area 47.20
Mean Conc. 24.43mg/L



Sample

Sample Name: 680-102591-B-4 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

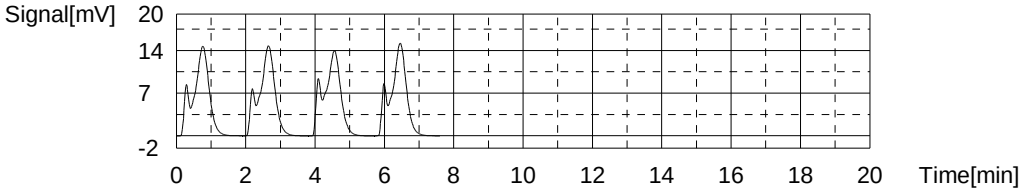
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.42mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.78	24.21mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:00:07 PM
2	46.88	24.27mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:02:10 PM
3	47.40	24.54mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:04:14 PM
4	47.62	24.66mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:06:18 PM

Mean Area 47.17
Mean Conc. 24.42mg/L



Sample

Sample Name: 680-102591-C-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

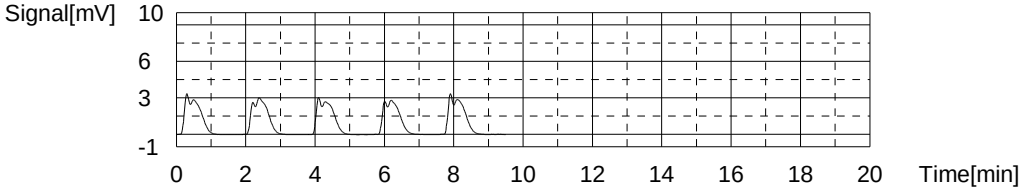
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.501mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.520	4.526mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:16:35 PM
2	9.365	4.444mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:18:39 PM
3	9.318	4.419mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:20:43 PM
4	8.914	4.206mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:22:47 PM
5	9.686	4.614mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:24:50 PM

Mean Area 9.472
Mean Conc. 4.501mg/L



Sample

Sample Name: 680-102591-D-6
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

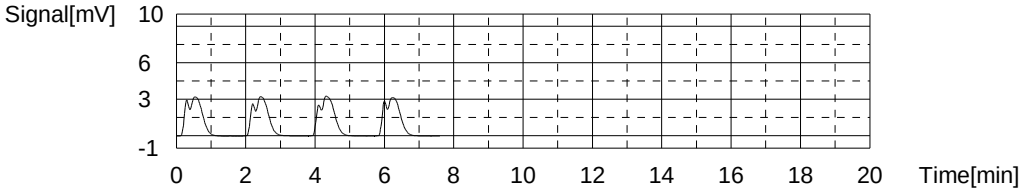
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.704mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.00	4.780mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:35:02 PM
2	9.636	4.587mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:37:05 PM
3	9.915	4.735mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:39:09 PM
4	9.876	4.714mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:41:13 PM

Mean Area 9.857
Mean Conc. 4.704mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

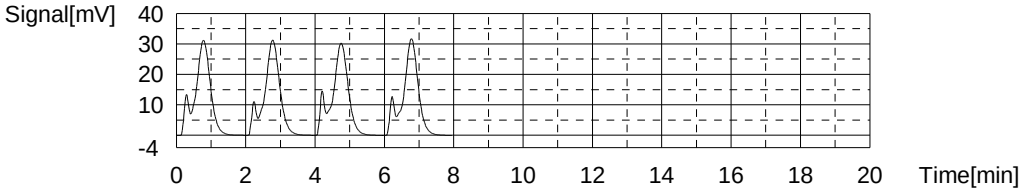
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	97.77	51.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:51:38 PM
2	98.21	51.39mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:53:46 PM
3	99.72	52.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:55:57 PM
4	98.52	51.55mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 4:58:06 PM

Mean Area 98.56
Mean Conc. 51.57mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

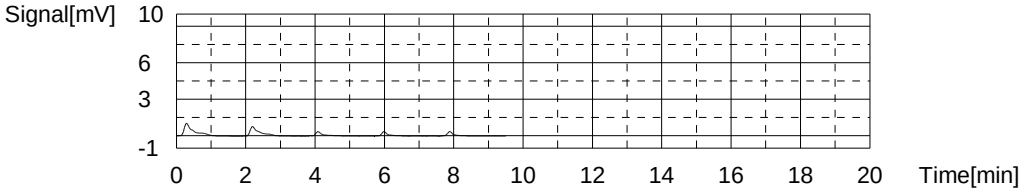
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1660mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.887	0.4932mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:08:24 PM
2	1.425	0.2491mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:10:27 PM
3	0.4138	-0.2852mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:12:31 PM
4	0.3531	-0.3173mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:14:35 PM
5	0.3659	-0.3105mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:16:38 PM

Mean Area 0.6394
Mean Conc. -0.1660mg/L



Sample

Sample Name: 680-102591-D-7
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

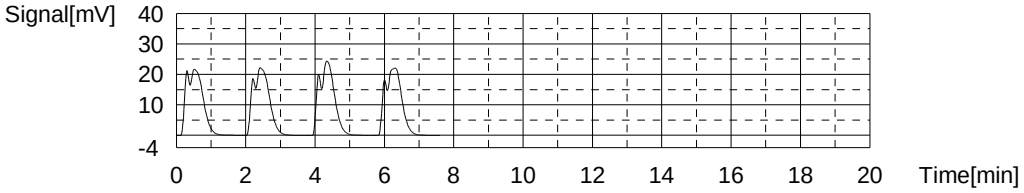
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:38.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	73.00	38.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:26:58 PM
2	73.07	38.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:29:02 PM
3	74.99	39.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:31:06 PM
4	74.38	38.80mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:33:09 PM

Mean Area 73.86
Mean Conc. 38.52mg/L



Sample

Sample Name: 680-102591-D-8
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

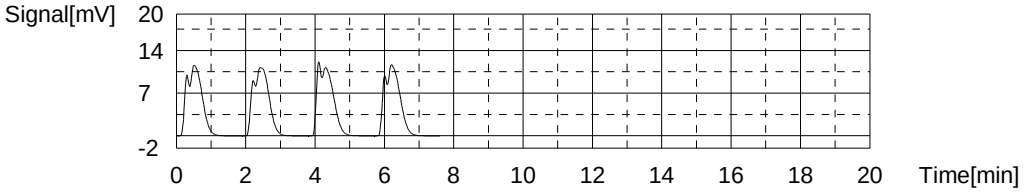
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.49	18.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:43:28 PM
2	36.02	18.53mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:45:31 PM
3	36.81	18.95mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:47:35 PM
4	36.11	18.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:49:39 PM

Mean Area 36.11
Mean Conc. 18.57mg/L



Sample

Sample Name: 680-102591-B-9
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

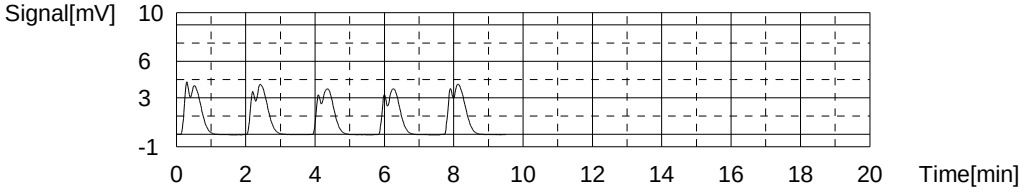
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.686mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.17	5.926mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 5:59:55 PM
2	12.04	5.858mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:01:59 PM
3	11.35	5.493mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:04:03 PM
4	11.30	5.467mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:06:06 PM
5	12.46	6.080mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:08:10 PM

Mean Area 11.72
Mean Conc. 5.686mg/L



Sample

Sample Name: 680-102591-D-10
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

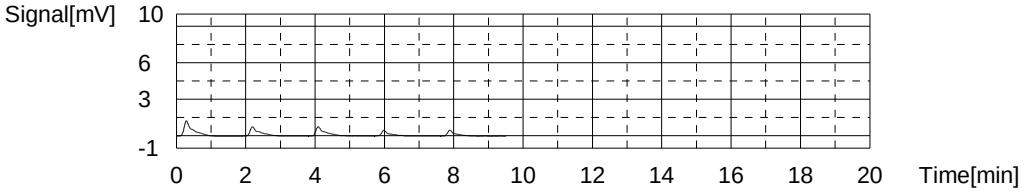
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02608mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.089	0.5999mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:18:21 PM
2	1.326	0.1968mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:20:24 PM
3	1.363	0.2163mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:22:28 PM
4	0.6436	-0.1638mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:24:32 PM
5	0.6793	-0.1449mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:26:35 PM

Mean Area 1.003
Mean Conc. 0.02608mg/L



Sample

Sample Name: 680-102781-B-1
Sample ID: A5
Origin: TOC9060.met
Status Completed
Chk. Result

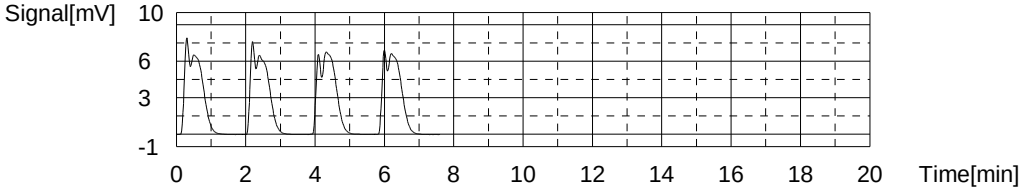
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:60.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	24.06	61.04mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:37:29 PM
2	23.74	60.20mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:39:33 PM
3	24.08	61.10mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:41:37 PM
4	23.72	60.14mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:43:40 PM

Mean Area 23.90
Mean Conc. 60.62mg/L



Sample

Sample Name: 680-102781-A-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

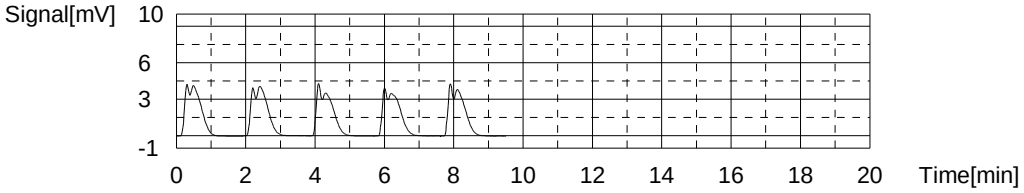
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.117mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.76	6.238mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:53:58 PM
2	12.60	6.154mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:56:01 PM
3	12.10	5.889mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 6:58:05 PM
4	12.29	5.990mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:00:08 PM
5	12.47	6.085mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:02:12 PM

Mean Area 12.53
Mean Conc. 6.117mg/L



Sample

Sample Name: 680-102781-A-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

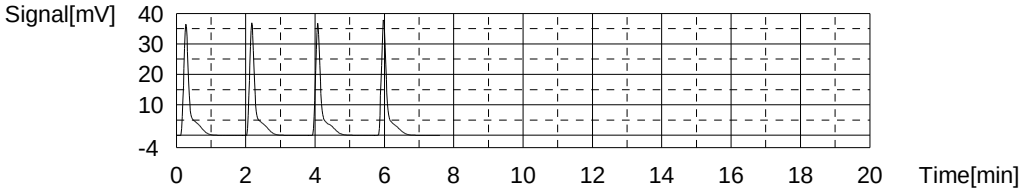
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.52	21.96mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:12:26 PM
2	42.92	22.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:14:30 PM
3	42.48	21.94mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:16:33 PM
4	43.00	22.22mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:18:37 PM

Mean Area 42.73
Mean Conc. 22.07mg/L



Sample

Sample Name: 680-102781-A-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

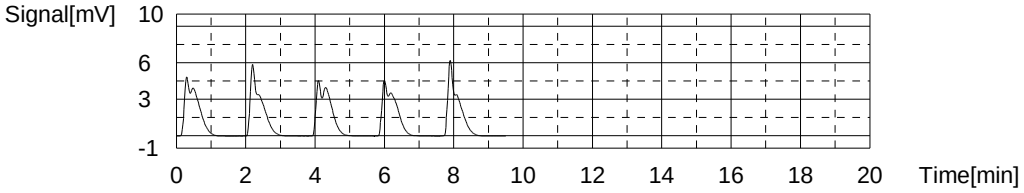
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.977mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.42	6.058mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:28:54 PM
2	12.21	5.947mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:30:57 PM
3	12.20	5.942mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:33:01 PM
4	11.79	5.726mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:35:05 PM
5	12.23	5.958mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:37:09 PM

Mean Area 12.27
Mean Conc. 5.977mg/L



Sample

Sample Name: 680-102781-A-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

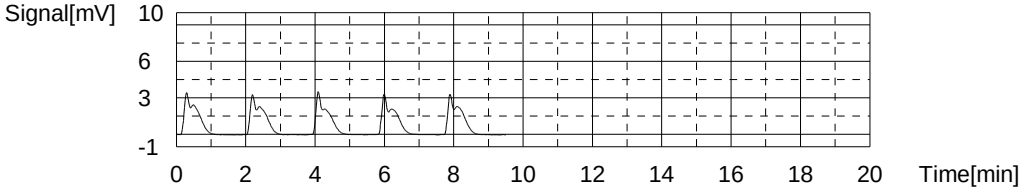
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.765mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.206	3.832mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:47:20 PM
2	8.174	3.815mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:49:24 PM
3	7.640	3.533mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:51:27 PM
4	7.803	3.619mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:53:31 PM
5	8.135	3.794mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 7:55:35 PM

Mean Area 8.080
Mean Conc. 3.765mg/L



Sample

Sample Name: 680-102781-A-6
Sample ID: A5
Origin: TOC9060.met
Status Completed
Chk. Result

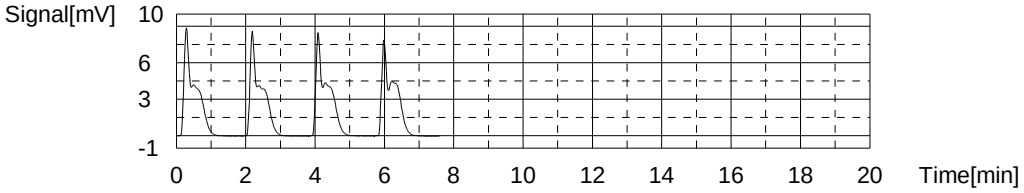
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.64	46.72mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:06:28 PM
2	18.07	45.22mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:08:32 PM
3	18.75	47.02mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:10:35 PM
4	18.35	45.96mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:12:39 PM

Mean Area 18.45
Mean Conc. 46.23mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

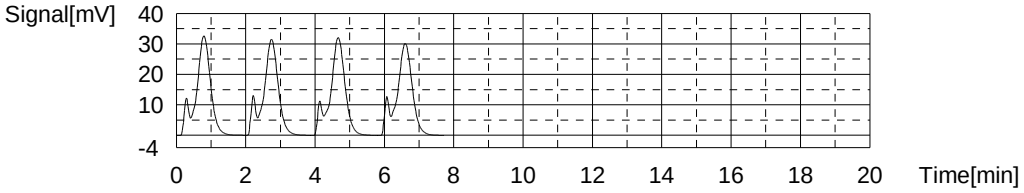
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.63mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.42	50.44mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:22:59 PM
2	96.64	50.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:25:04 PM
3	97.35	50.93mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:27:10 PM
4	96.68	50.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:29:15 PM

Mean Area 96.77
Mean Conc. 50.63mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

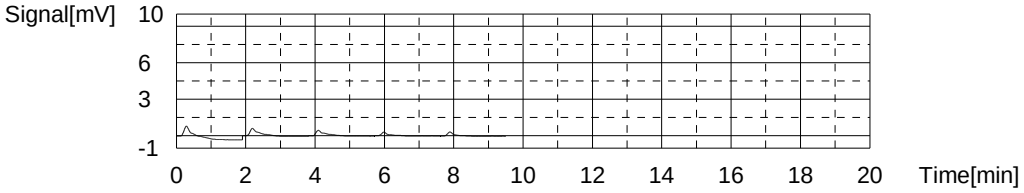
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1528mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.228	0.1450mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:39:33 PM
2	1.119	0.08738mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:41:36 PM
3	0.8131	-0.07425mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:43:40 PM
4	0.3313	-0.3288mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:45:43 PM
5	0.3947	-0.2953mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:47:47 PM

Mean Area 0.6645
Mean Conc. -0.1528mg/L



Sample

Sample Name: 680-102781-A-7
Sample ID: A10
Origin: TOC9060.met
Status Completed
Chk. Result

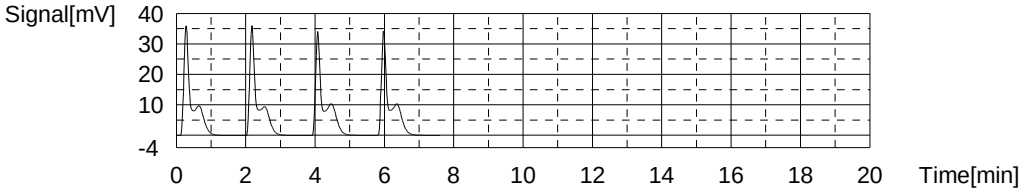
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:289.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.55	288.5mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 8:58:41 PM
2	55.60	288.7mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:00:45 PM
3	55.84	290.0mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:02:48 PM
4	55.64	288.9mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:04:52 PM

Mean Area 55.66
Mean Conc. 289.0mg/L



Sample

Sample Name: 680-102781-A-8
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

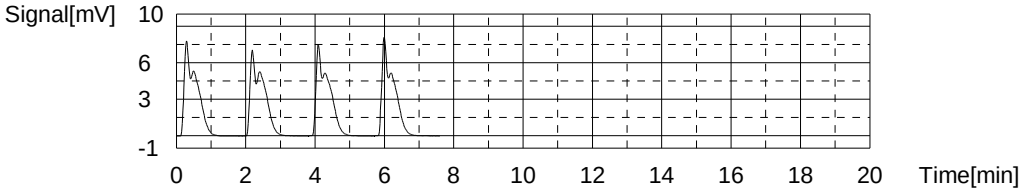
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.086mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.42	9.229mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:15:10 PM
2	18.00	9.007mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:17:14 PM
3	18.18	9.102mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:19:17 PM
4	18.00	9.007mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:21:21 PM

Mean Area 18.15
Mean Conc. 9.086mg/L



Sample

Sample Name: 680-102781-B-9
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

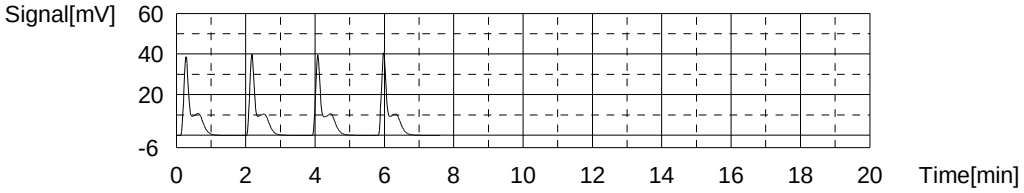
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.25	31.33mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:31:38 PM
2	61.15	31.81mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:33:42 PM
3	61.16	31.81mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:35:45 PM
4	61.53	32.01mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:37:49 PM

Mean Area 61.02
Mean Conc. 31.74mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

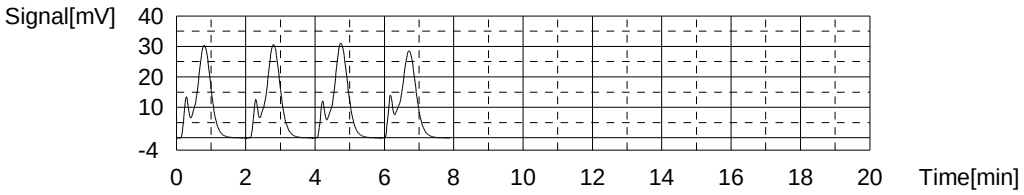
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.77mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	96.50	50.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:48:20 PM
2	96.48	50.47mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:50:25 PM
3	97.55	51.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:52:32 PM
4	97.64	51.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 9:54:42 PM

Mean Area 97.04
Mean Conc. 50.77mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

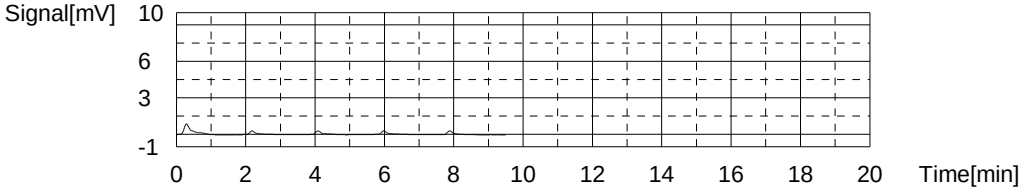
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3292mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.374	0.2221mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:05:00 PM
2	0.3305	-0.3292mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:07:04 PM
3	0.3418	-0.3233mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:09:07 PM
4	0.3044	-0.3430mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:11:11 PM
5	0.3455	-0.3213mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/4/2014 10:13:15 PM

Mean Area 0.3306
Mean Conc. -0.3292mg/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	

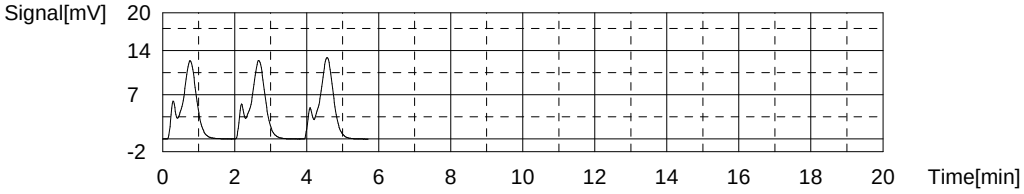
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

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	

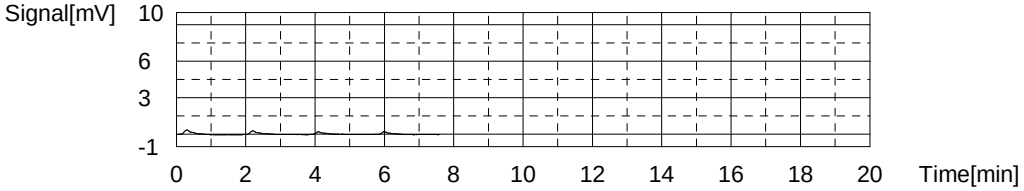
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3216mg/L

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

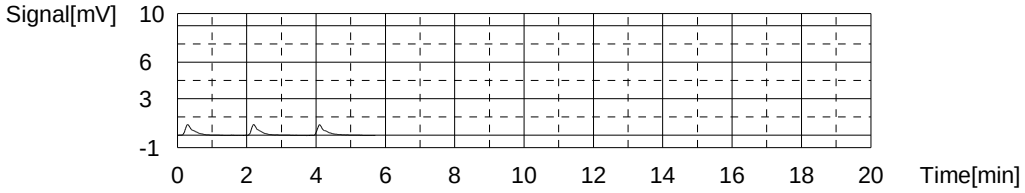
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2070mg/L

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

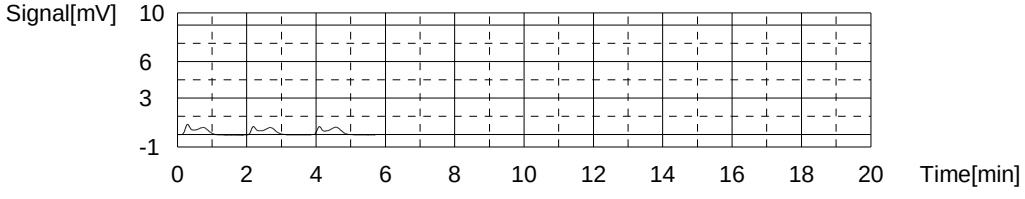
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7121mg/L

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

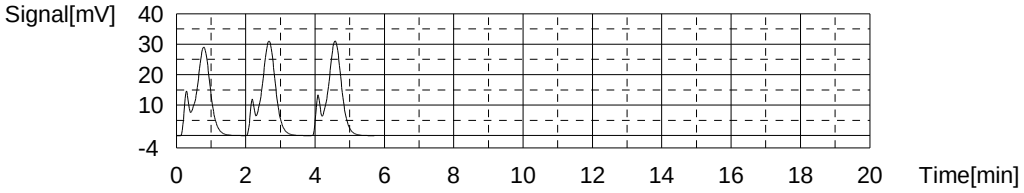
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.55mg/L

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

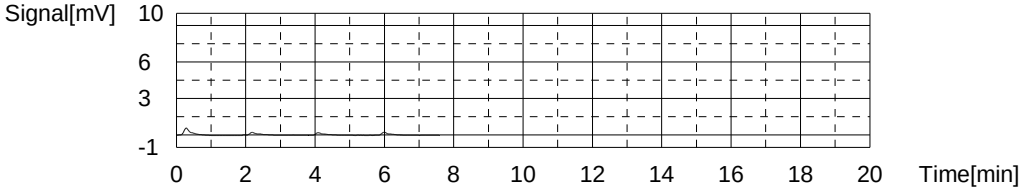
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3381mg/L

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

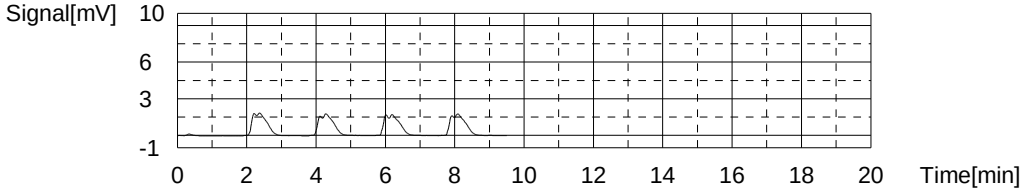
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.201mg/L

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

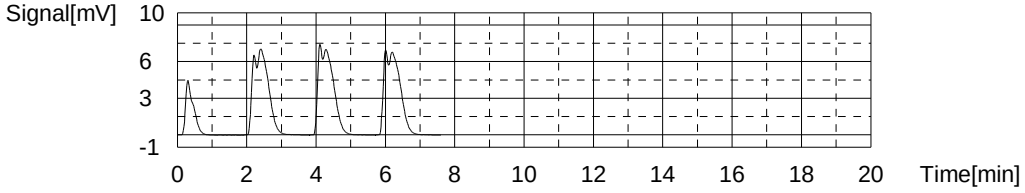
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.99mg/L

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

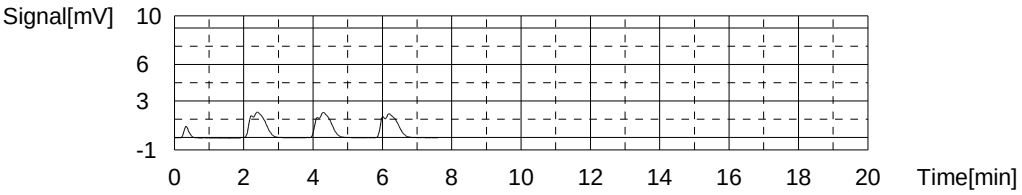
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.686mg/L

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

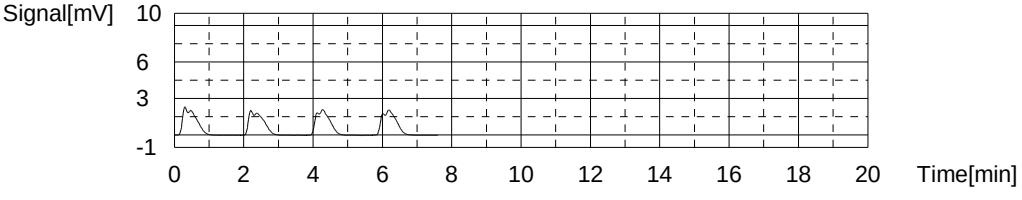
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.529mg/L

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

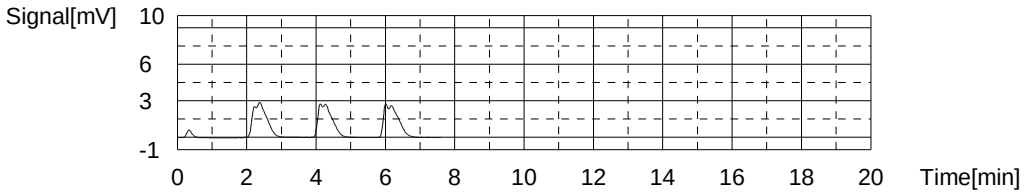
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.562mg/L

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

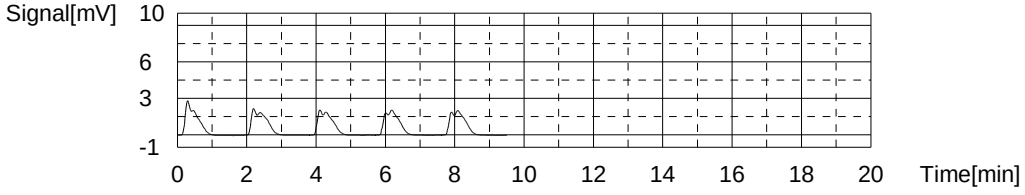
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.599mg/L

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

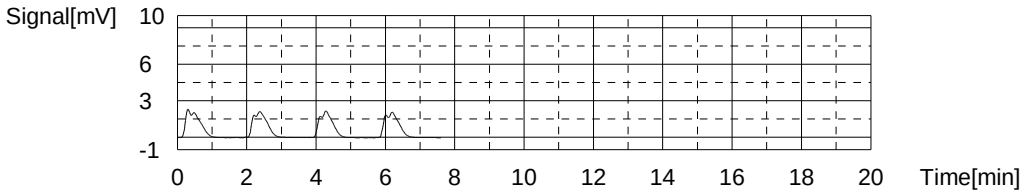
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.568mg/L

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

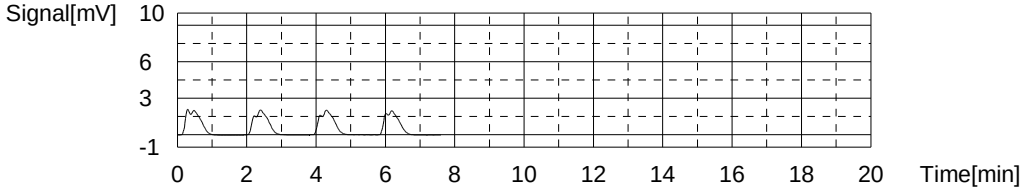
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.479mg/L

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

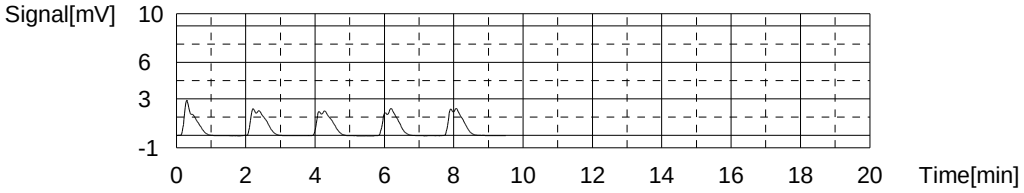
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.745mg/L

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

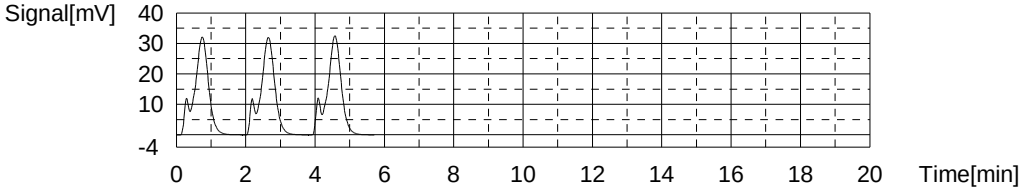
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.72mg/L

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

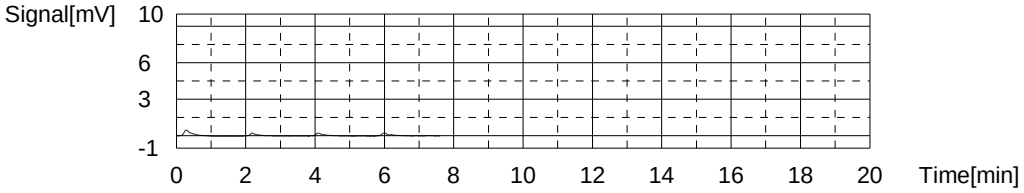
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3452mg/L

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

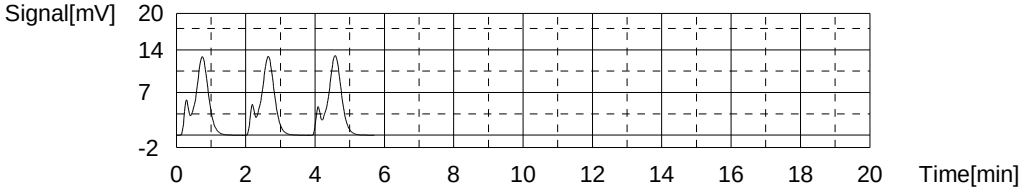
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.20mg/L

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

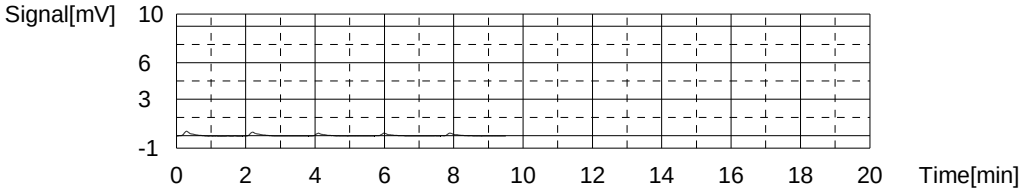
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3513mg/L

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

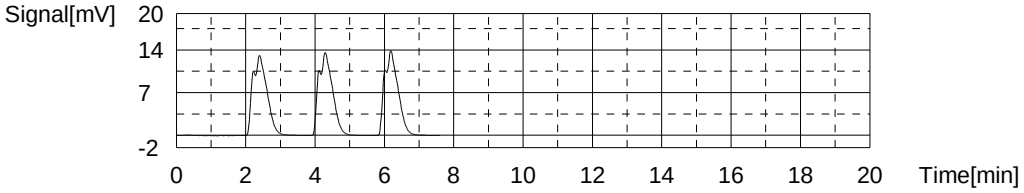
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.26mg/L

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

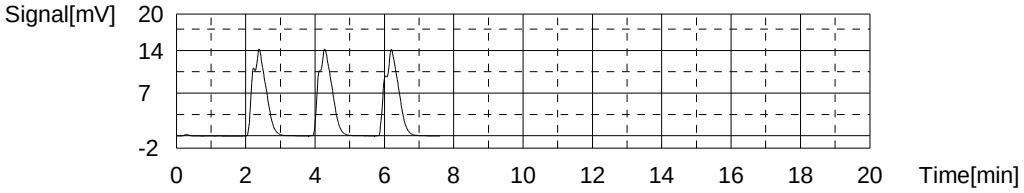
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.34mg/L

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

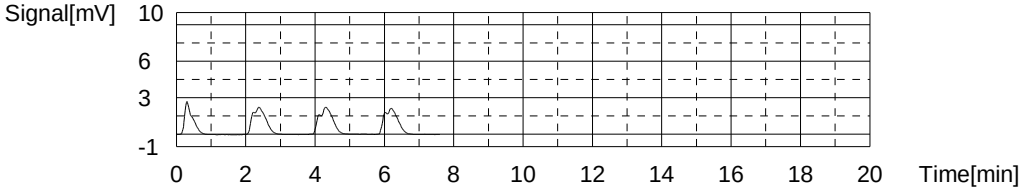
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.595mg/L

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

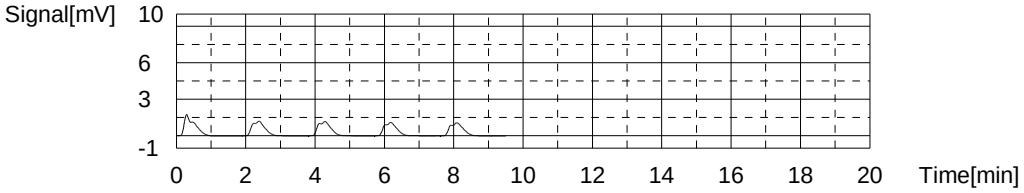
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9990mg/L

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

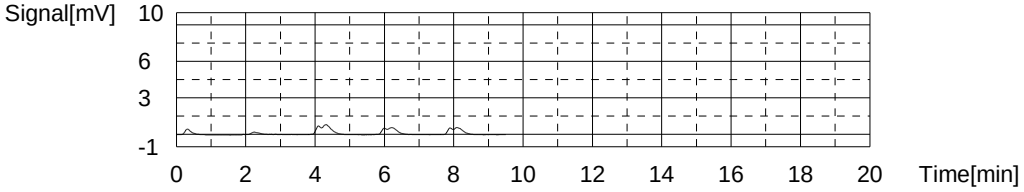
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3903mg/L

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

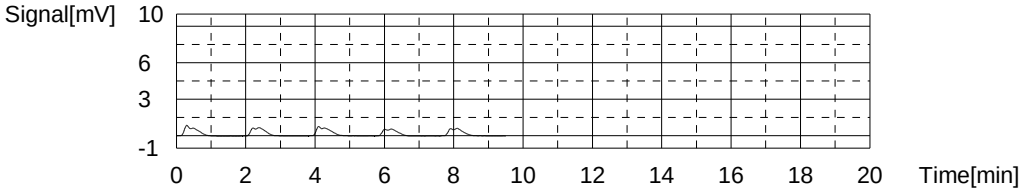
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3746mg/L

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

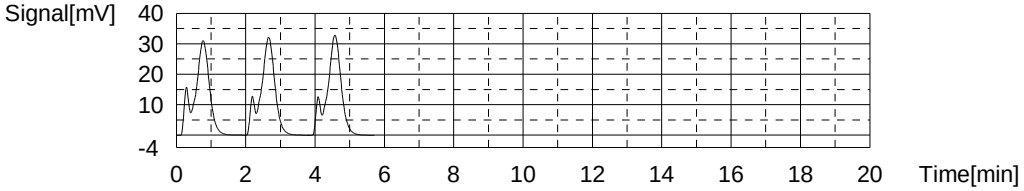
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.15mg/L

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

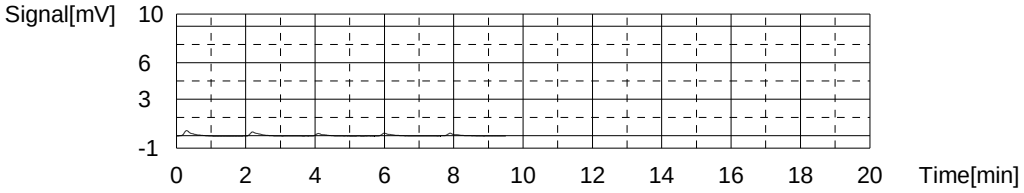
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3379mg/L

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

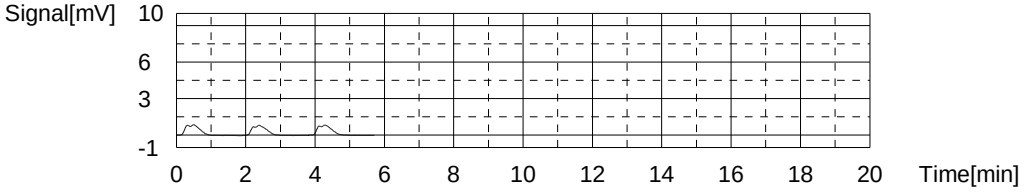
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7054mg/L

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

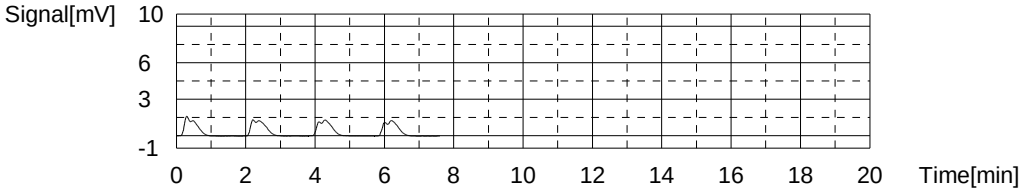
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.384mg/L

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

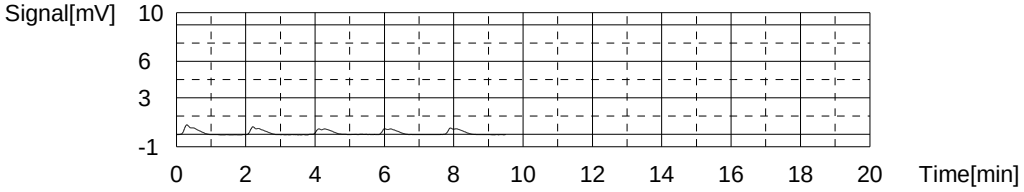
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1996mg/L

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

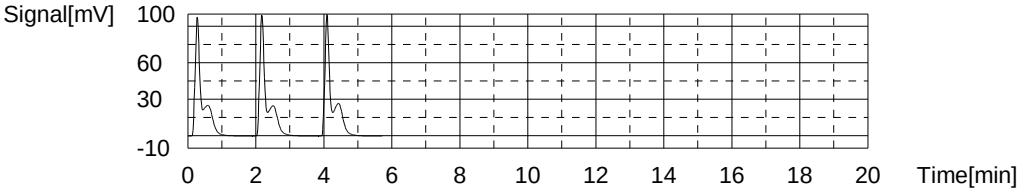
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:73.24mg/L

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

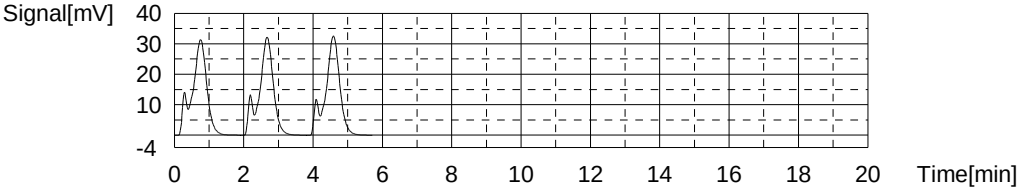
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.04mg/L

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

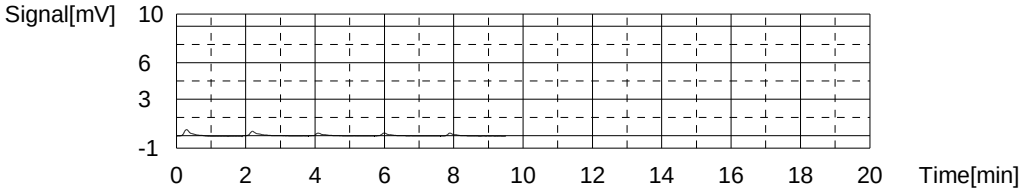
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3453mg/L

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

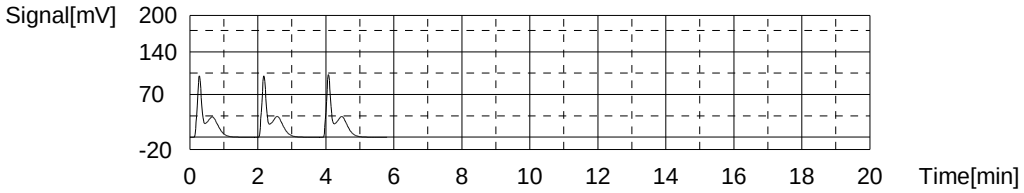
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.14mg/L

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

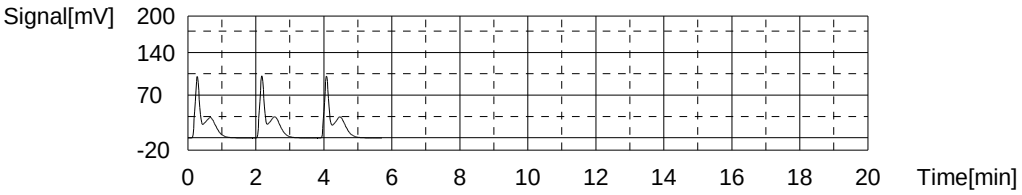
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.54mg/L

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

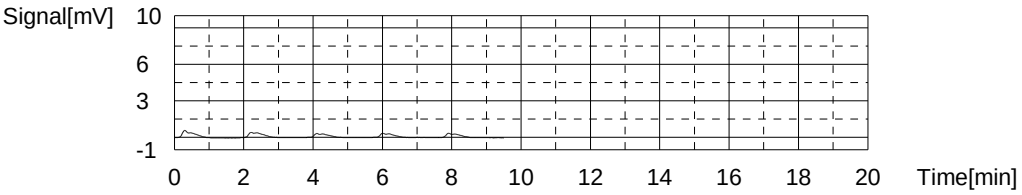
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.07022mg/L

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

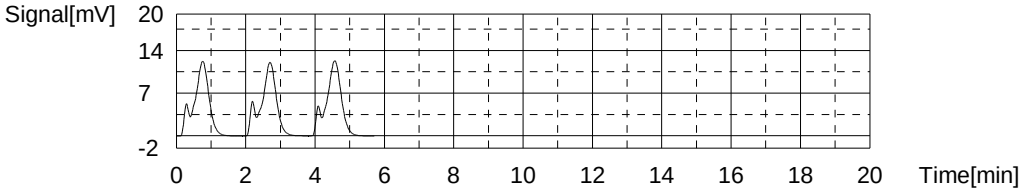
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

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

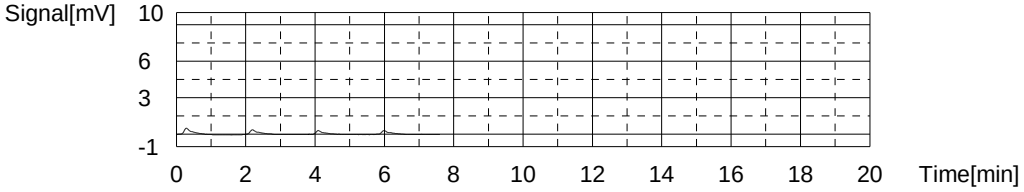
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2176mg/L

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

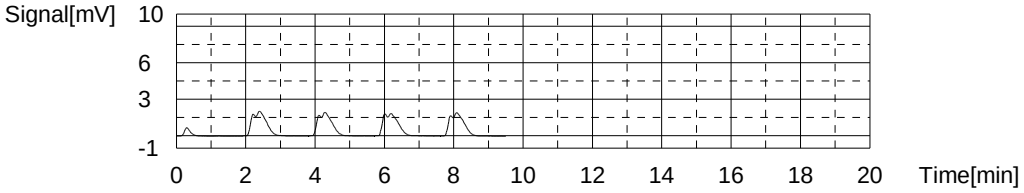
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.326mg/L

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

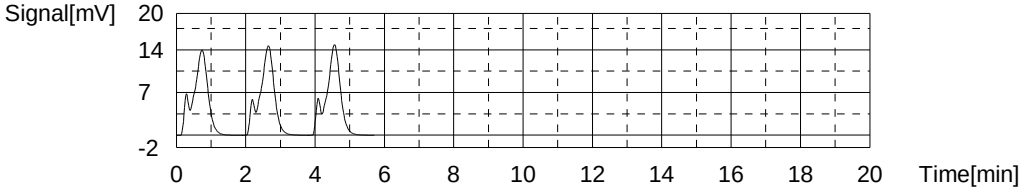
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.76mg/L

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

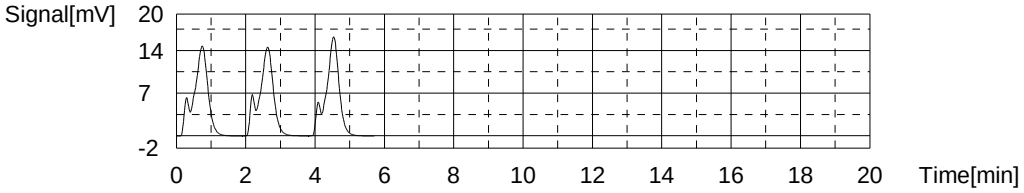
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.83mg/L

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

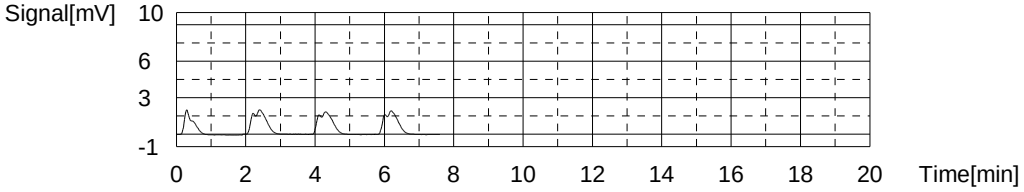
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.322mg/L

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

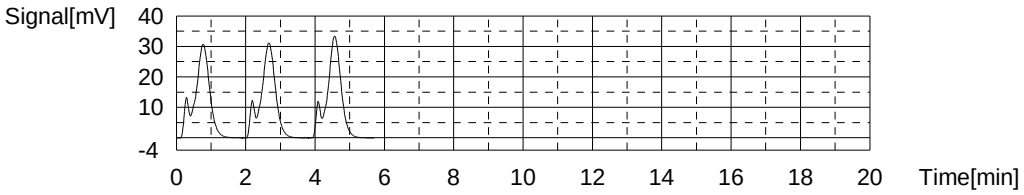
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.73mg/L

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

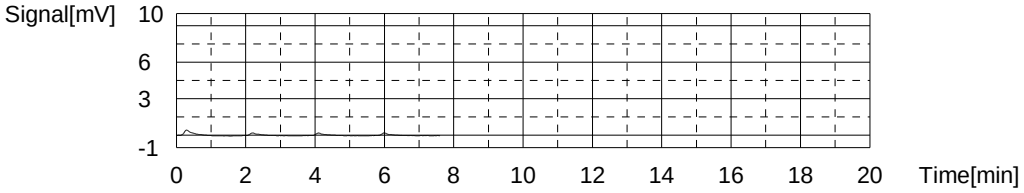
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3544mg/L

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

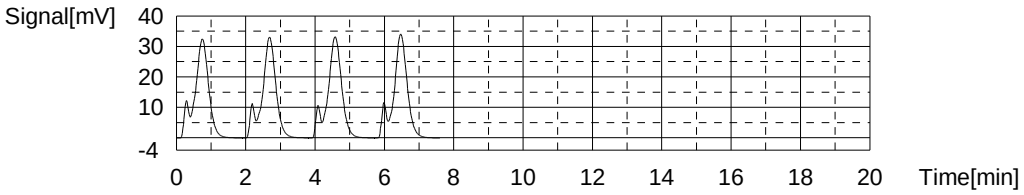
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.92mg/L

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

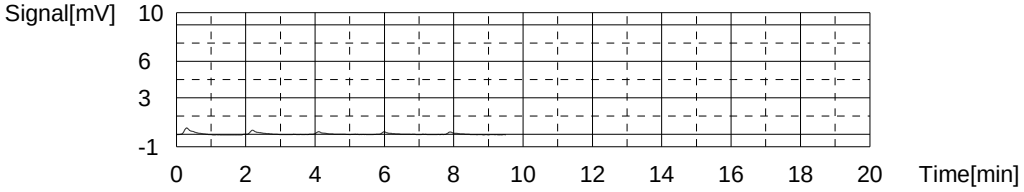
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3188mg/L

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

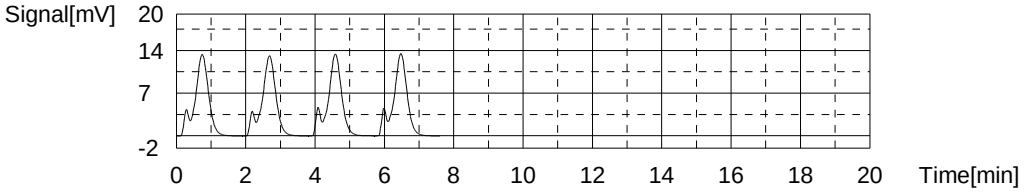
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.24mg/L

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

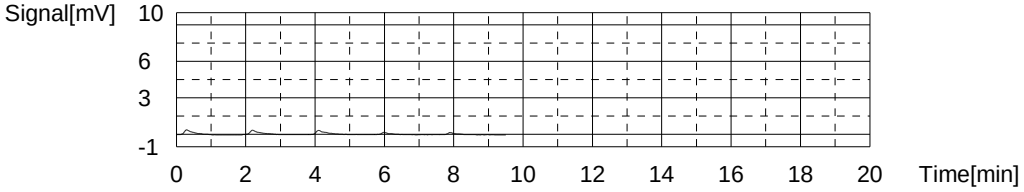
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2104mg/L

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

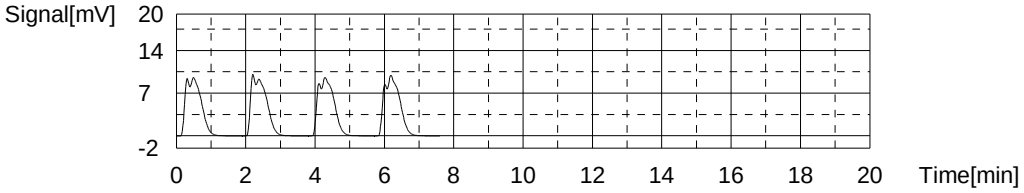
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.51mg/L

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

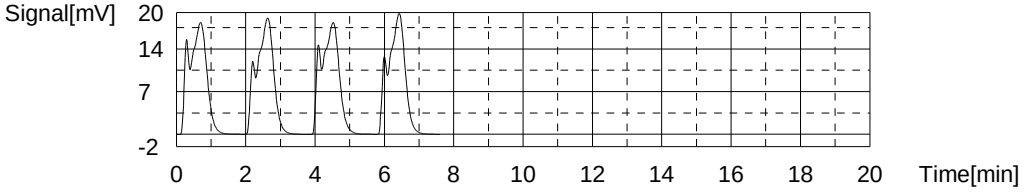
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.64mg/L

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

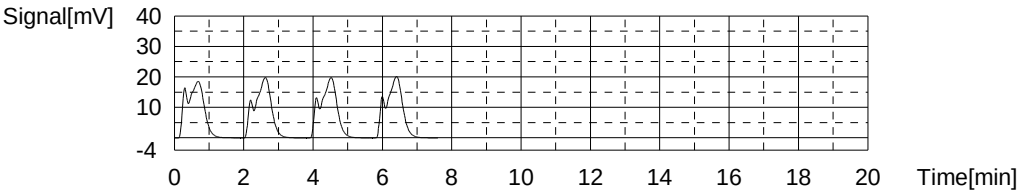
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.67mg/L

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

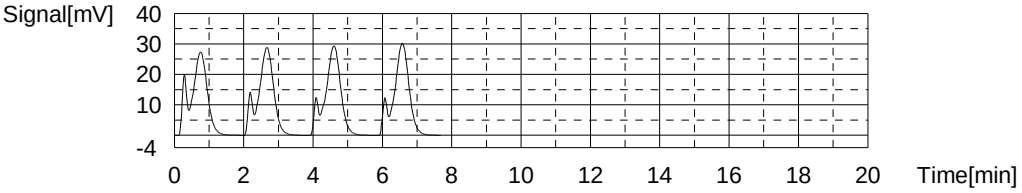
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.67mg/L

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

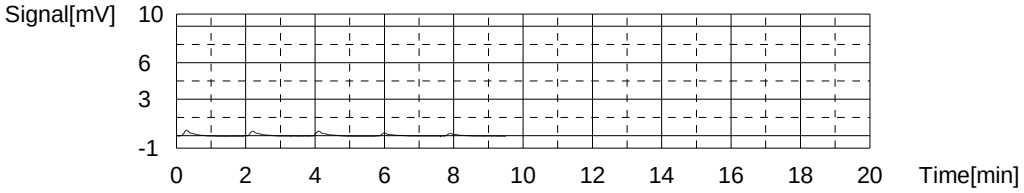
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1625mg/L

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

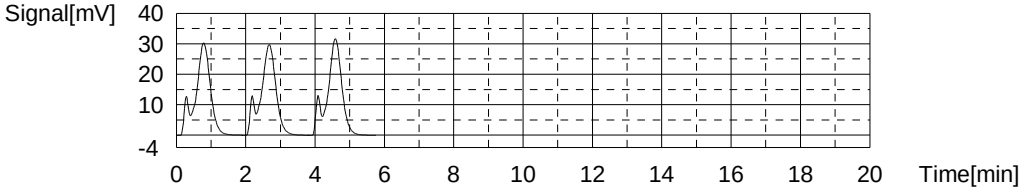
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.48mg/L

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

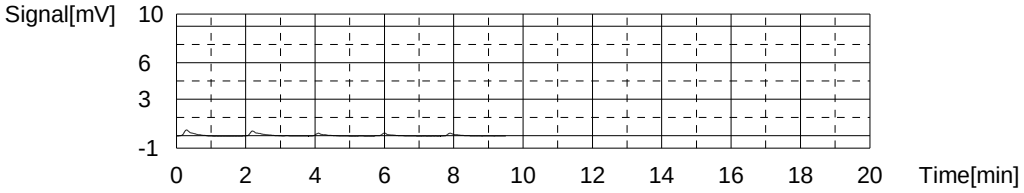
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3433mg/L

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

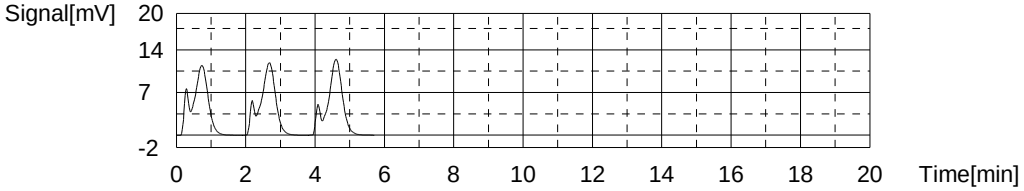
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.12mg/L

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

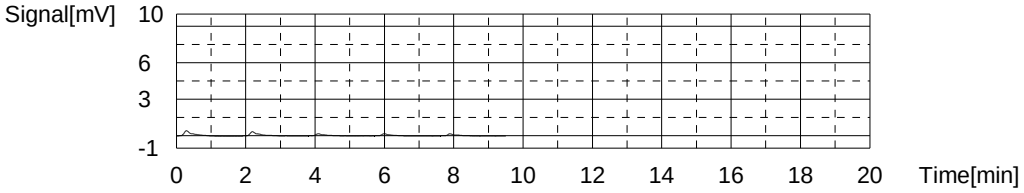
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3877mg/L

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

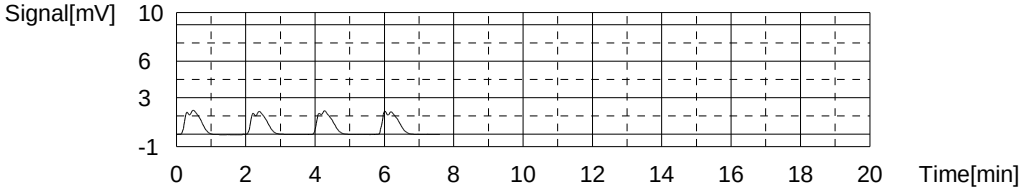
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

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

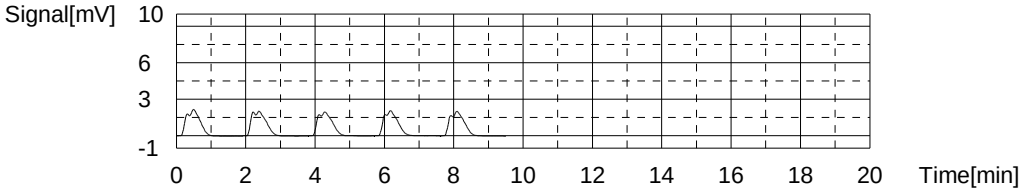
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.455mg/L

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

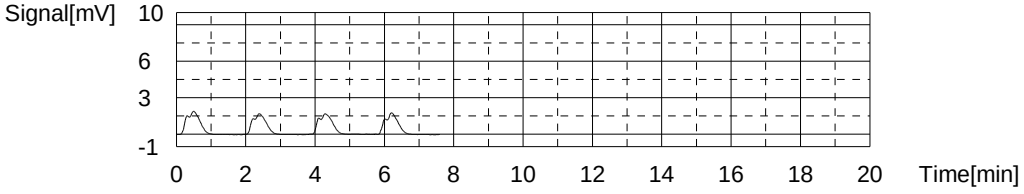
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.897mg/L

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

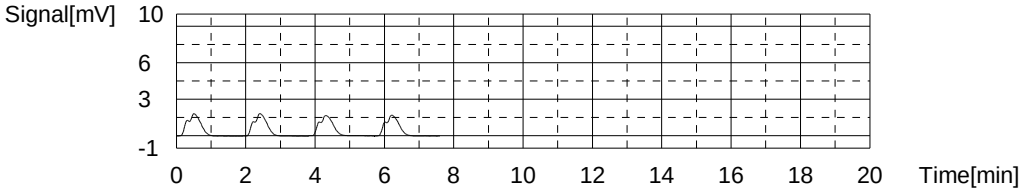
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.906mg/L

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

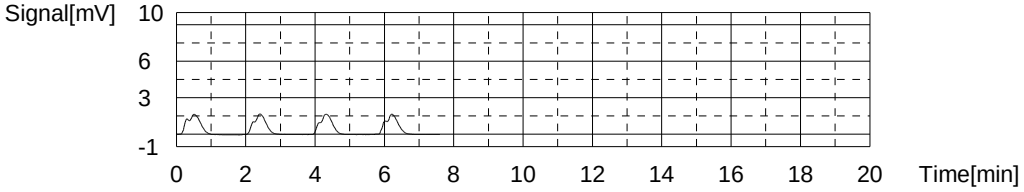
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.658mg/L

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

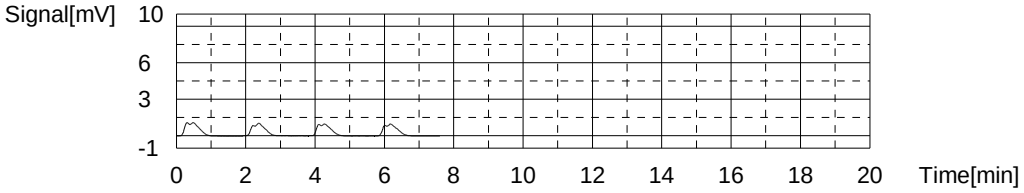
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8743mg/L

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

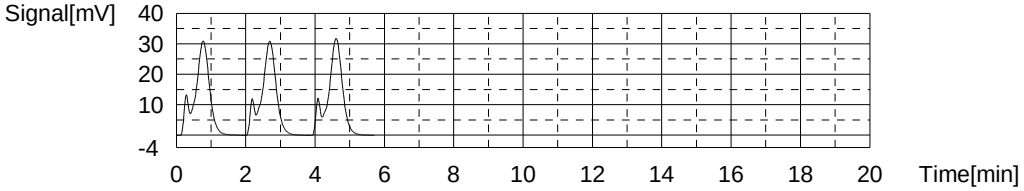
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.14mg/L

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

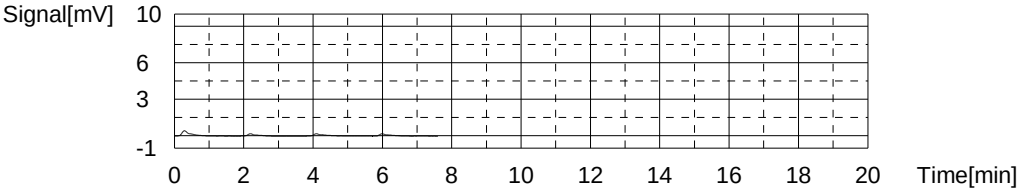
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3543mg/L

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

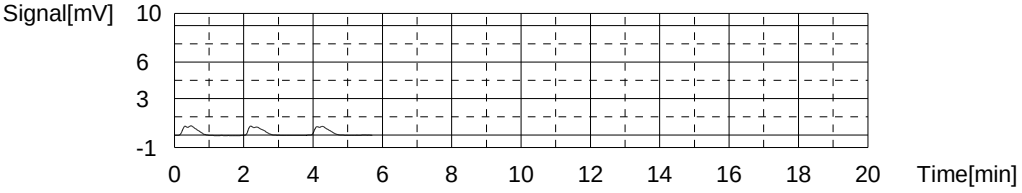
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5828mg/L

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

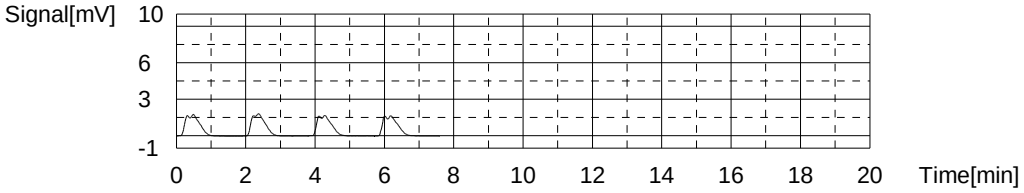
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.055mg/L

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

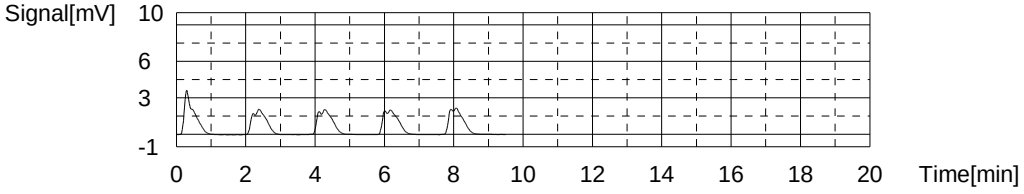
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.623mg/L

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

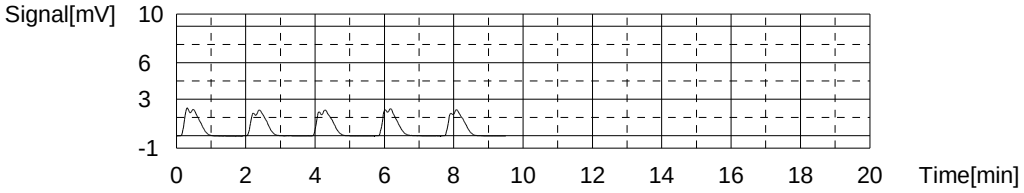
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.630mg/L

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

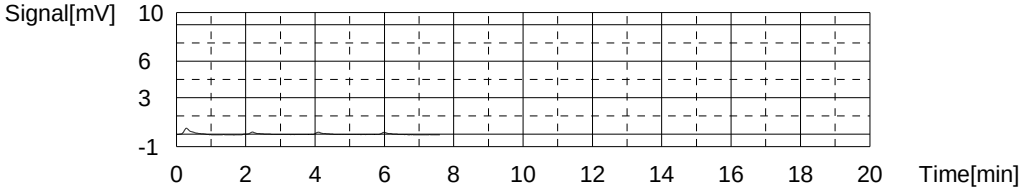
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3763mg/L

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

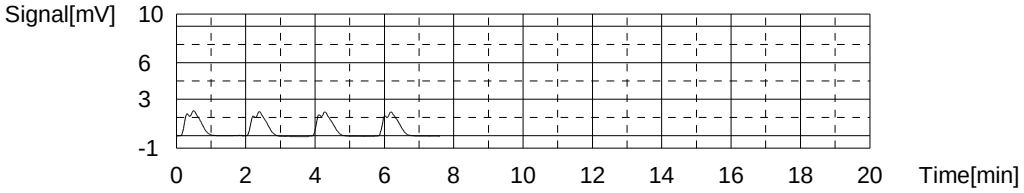
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.421mg/L

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

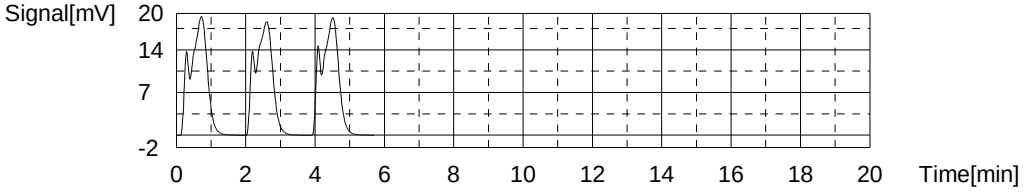
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.55mg/L

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

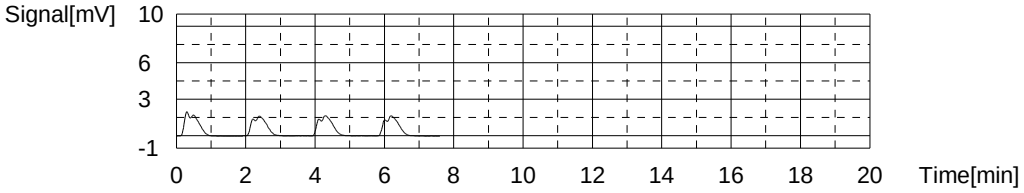
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.918mg/L

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

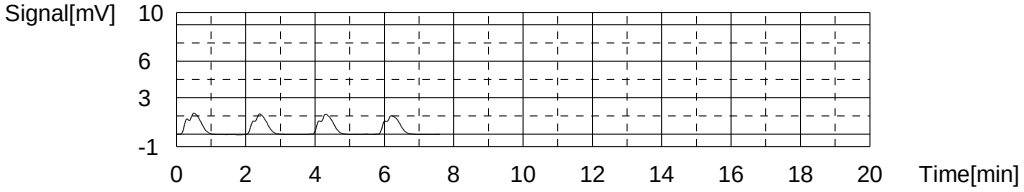
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.810mg/L

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

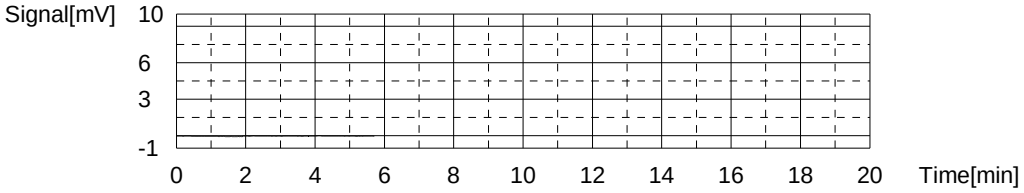
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

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

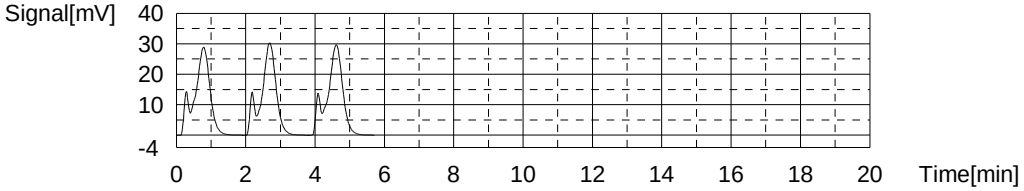
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.10mg/L

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

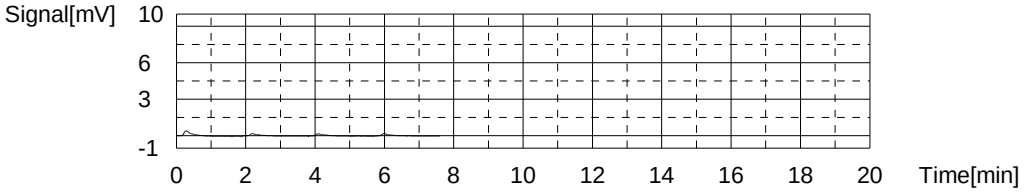
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3665mg/L

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

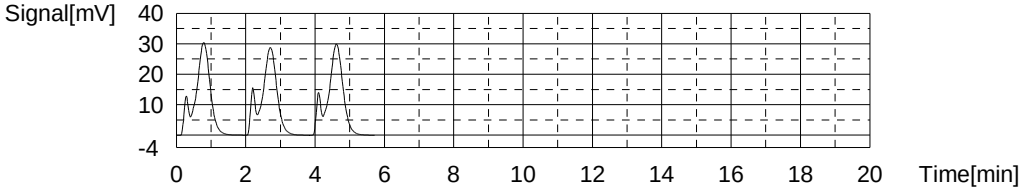
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.03mg/L

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

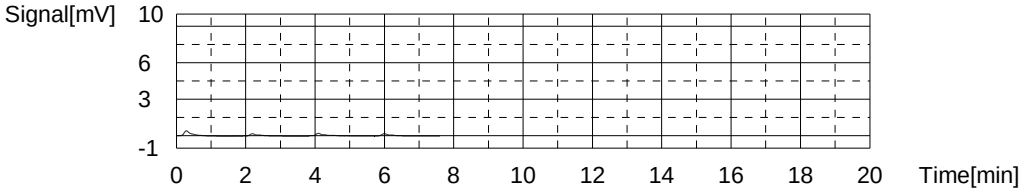
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3785mg/L

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

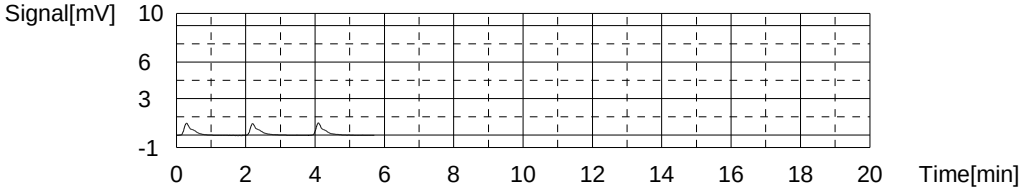
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3306mg/L

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

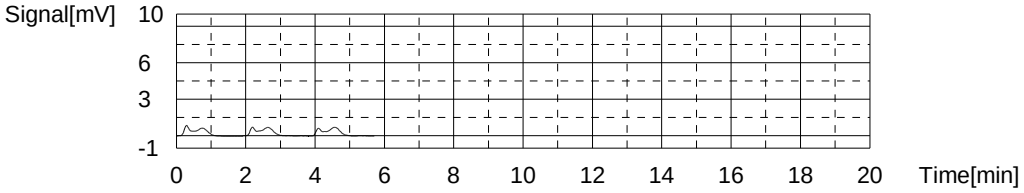
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7852mg/L

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

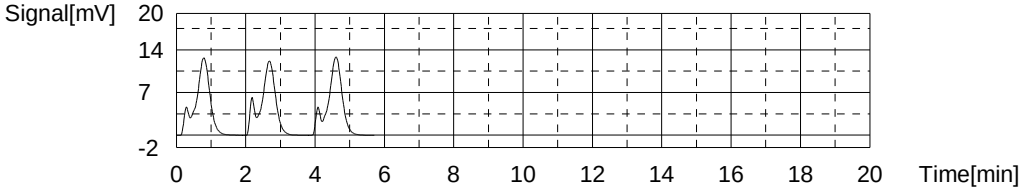
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

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

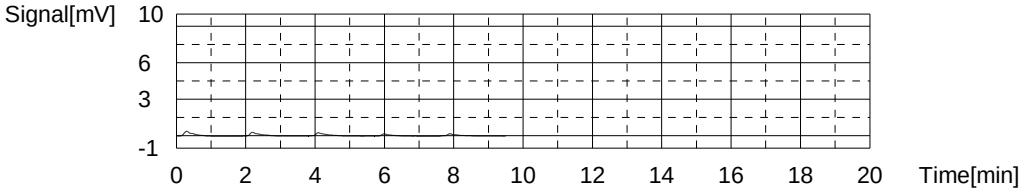
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2057mg/L

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

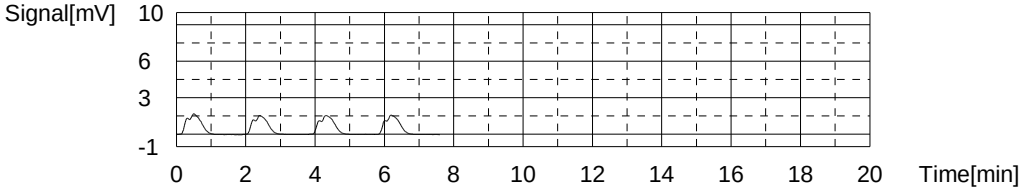
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.898mg/L

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

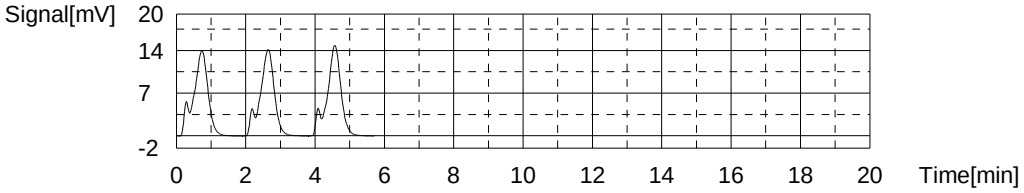
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.14mg/L

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

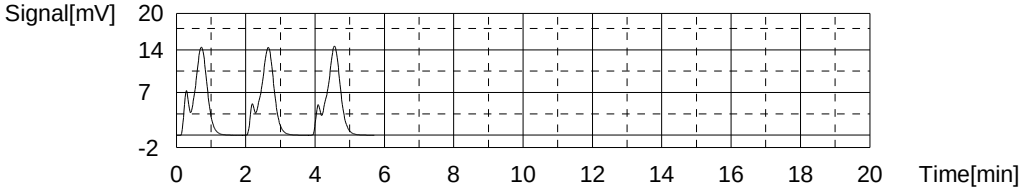
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.35mg/L

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

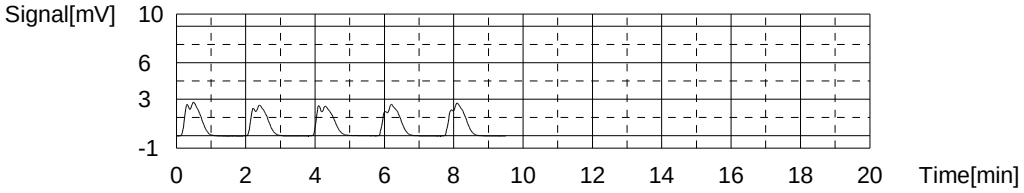
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.589mg/L

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

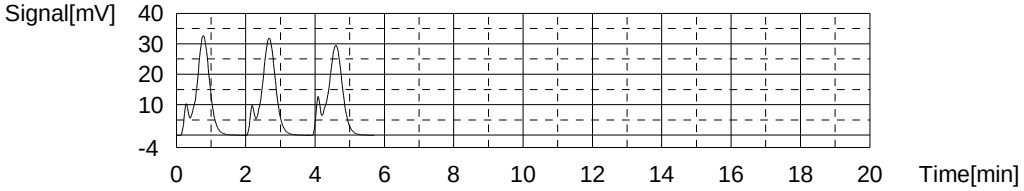
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.24mg/L

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

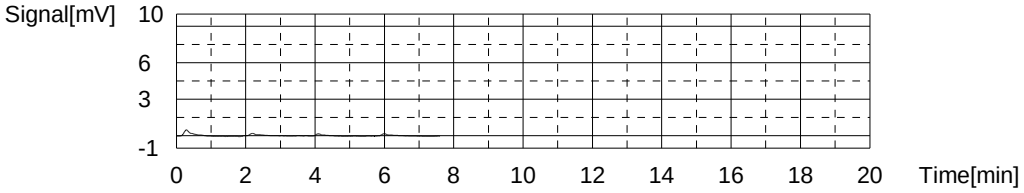
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3637mg/L

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

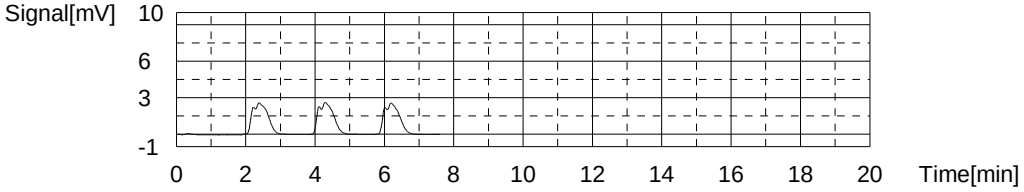
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.639mg/L

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

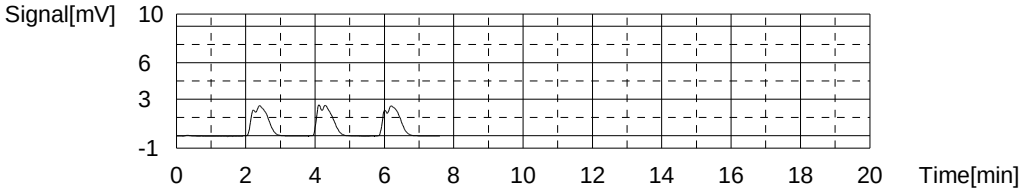
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.515mg/L

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

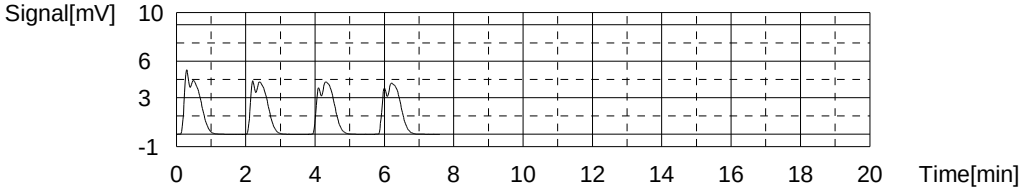
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.751mg/L

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

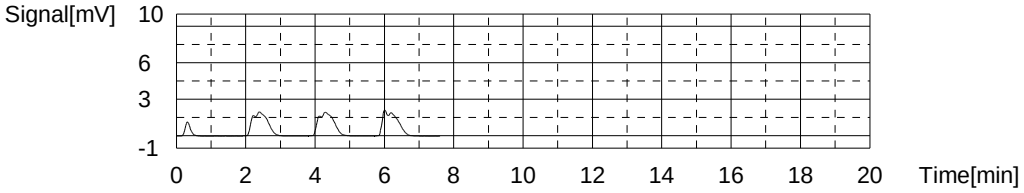
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.665mg/L

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

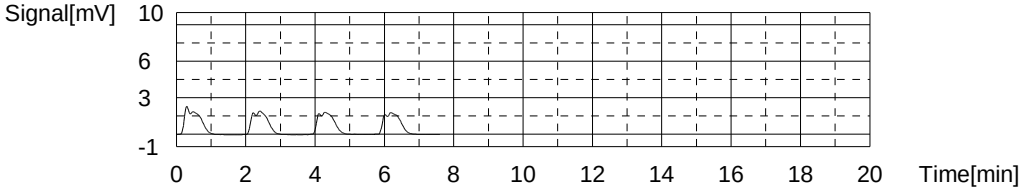
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.590mg/L

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

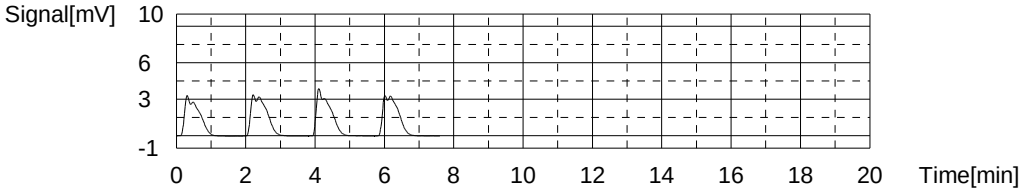
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.884mg/L

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

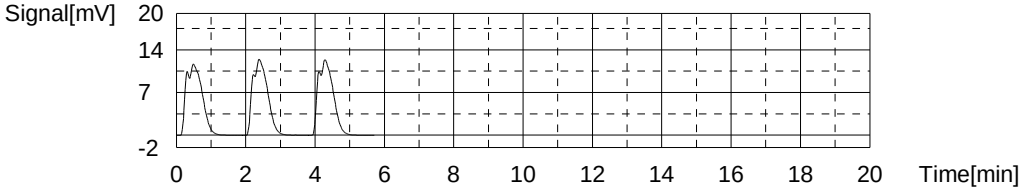
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.15mg/L

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

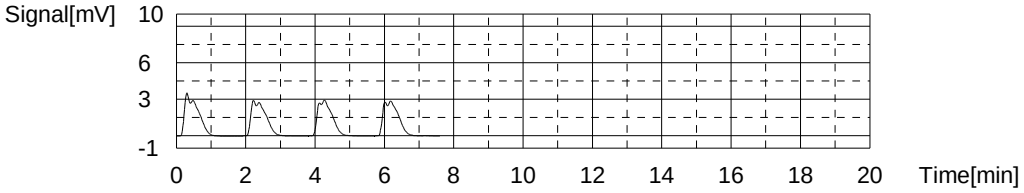
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.944mg/L

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

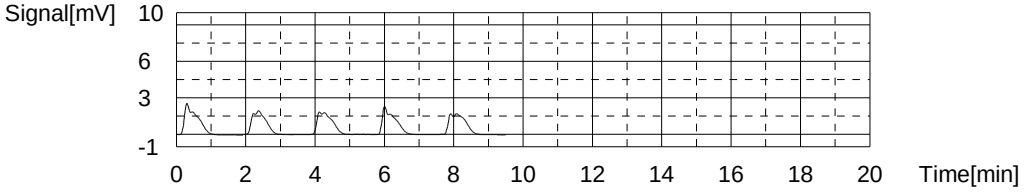
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

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

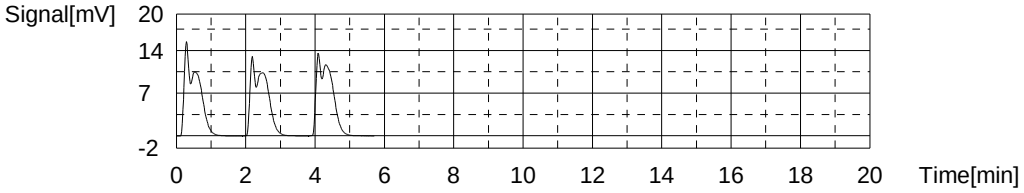
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.33mg/L

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

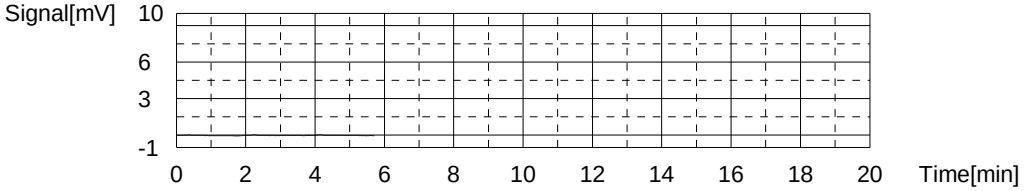
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

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

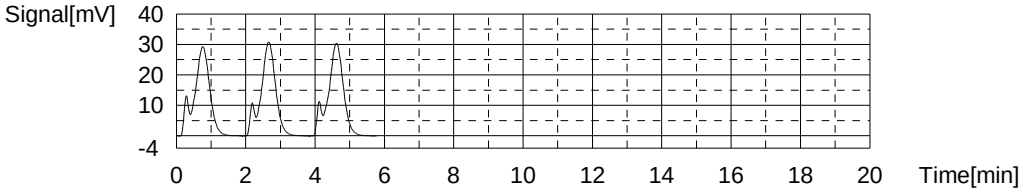
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.78mg/L

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

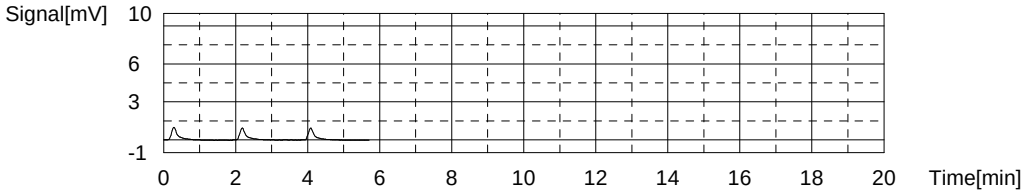
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_06_30_16_03_57.cal
Status	Completed

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

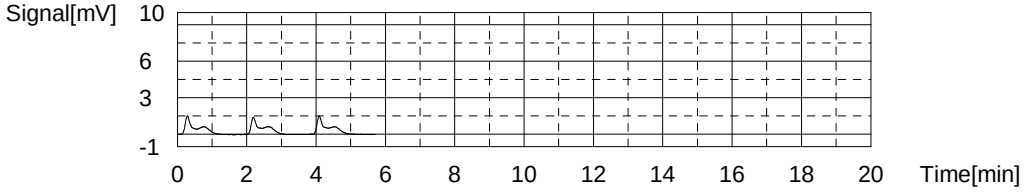
Acid Add. 0.000%
Mean Area 1.136



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

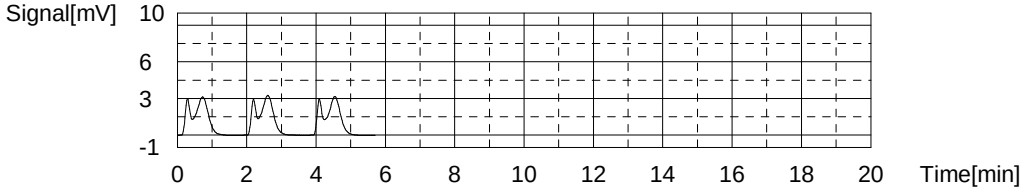
Acid Add. 0.000%
Mean Area 3.144



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

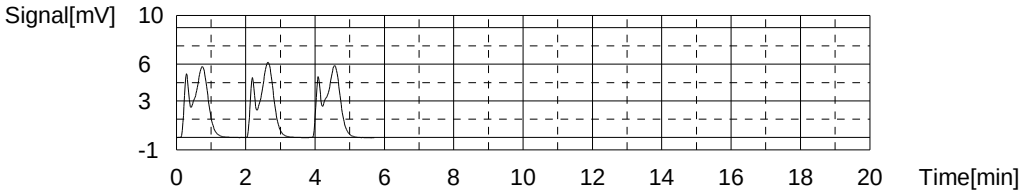
Acid Add. 0.000%
Mean Area 10.49



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

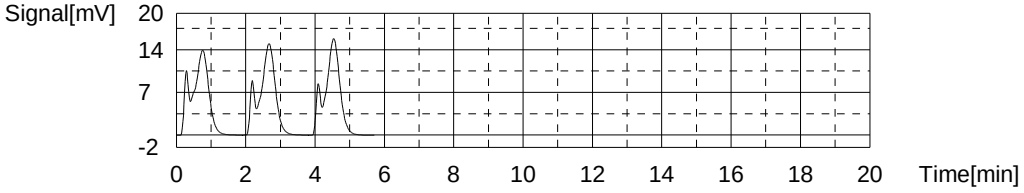
Acid Add. 0.000%
Mean Area 20.21



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

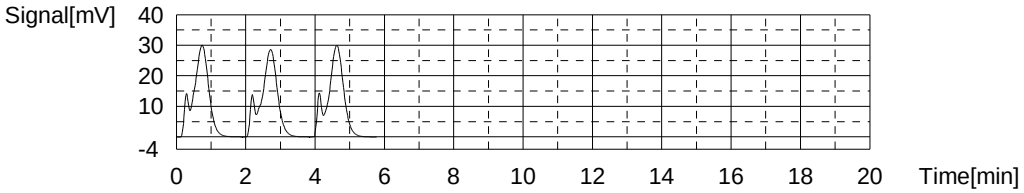
Acid Add. 0.000%
Mean Area 47.62



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

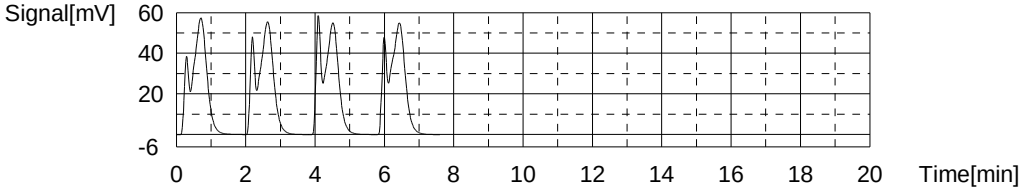
Acid Add. 0.000%
Mean Area 94.86



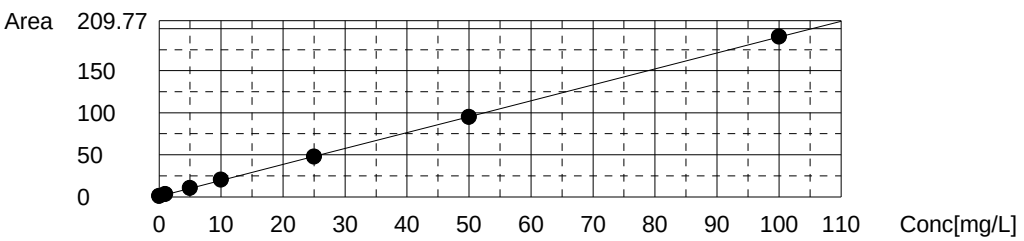
Conc: 100.0mg/L

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.: 680-102616-1

SDG No.:

Batch Number: 336406 Batch Start Date: 06/26/14 10:50 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/26/14 10:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 ICV 00022		
ICV 680-336406/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

Batch Notes	
Buffer Reagent ID Number	3539643
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	hyposol00490
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	sodphenate00485

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.: 680-102616-1

SDG No.:

Batch Number: 336649 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 12:28

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00047		
CCV 680-336649/6		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-336649/7		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336649/17		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-336649/18		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-2	SMSSW09	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-3	SMSSW14	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-336649/22		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-336649/23		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336649/24		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-336649/25		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.: 680-102616-1

SDG No.:

Batch Number: 336649 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 12:28

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00047		
680-102616-B-1	SMSSW13	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-4	SMSSW09 Spring	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-5	SMSSW01	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-6	SMSSW11	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336649/33		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-336649/34		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-7	SMSSW08 Spring	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336649/36		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-336649/37		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.: 680-102616-1

SDG No.:

Batch Number: 336649 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 12:28

Batch Notes	
Batch Comment	PRESERVATION: 336610 & DILUTION: 336611
Buffer Reagent ID Number	3539643
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	3647601
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3648153

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.: 680-102616-1

SDG No.:

Batch Number: 336650 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 13:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00045	NH3 LCS 00047	
CCV 680-336650/1		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-336650/4		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/5		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/6		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCV 680-336650/17		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/18		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-8	SMSSW08	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/20		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/21		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.: 680-102616-1

SDG No.:

Batch Number: 336650 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 13:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00045	NH3 LCS 00047	
680-102616-B-8 MS	SMSSW08	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-102616-B-8 MSD	SMSSW08	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-102616-B-12	SMSMW12A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-13	SMSMW12B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-9	SMSSW04	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-9 DU	SMSSW04	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-10	SMSSW94	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/37		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.: 680-102616-1

SDG No.:

Batch Number: 336650 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 13:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00045	NH3 LCS 00047	
CCB 680-336650/38		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/39		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-336650/40		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-11	SMSMW07A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-14	SMSMW07B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-336650/43		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
MB 680-336650/44		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.: 680-102616-1

SDG No.:

Batch Number: 336650 Batch Start Date: 06/27/14 10:24 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/27/14 13:29

Batch Notes	
Batch Comment	PRESERVATION: 336610 & DILUTION: 336611
Buffer Reagent ID Number	3539643
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	3647601
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3648153

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.: 680-102616-1

SDG No.:

Batch Number: 337082 Batch Start Date: 06/30/14 16:09 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 06/30/14 16:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 ICV 00022		
ICB 680-337082/8		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
ICV 680-337082/9		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

Batch Notes	
Batch Comment	PRESERVATION: 336897 & DILUTION: 337099
Buffer Reagent ID Number	3539643
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	hyposol00492
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	sodphenate00487

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.: 680-102616-1

SDG No.:

Batch Number: 337084 Batch Start Date: 06/30/14 18:25 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/01/14 09:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00047		
CCV 680-337084/16		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-337084/17		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102616-B-15	SMSMW11B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-337084/19		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-337084/20		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-337084/21		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-337084/22		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-337084/30		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-337084/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-337084/36		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-102616-1

SDG No.:

Batch Number: 337084 Batch Start Date: 06/30/14 18:25 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/01/14 09:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00047		
CCB 680-337084/37		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-337084/38		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-337084/39		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCSD 680-337084/41		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-337084/42		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

Batch Notes	
Batch Comment	PRESERVATION: 336897 & DILUTION: 337099
Buffer Reagent ID Number	3539643
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	hyposol00492
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	sodphenate00487

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.: 680-102616-1

SDG No.:

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.: 680-102616-1

SDG No.:

Batch Number: 336062 Batch Start Date: 06/24/14 13:45 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 06/25/14 14:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 100ppm 00093	PO4 LCS 00118		
LCS 680-336062/1		365.1		2 mL	2 mL		2 mL		
MB 680-336062/2		365.1		2 mL	2 mL				
680-102616-G-1	SMSSW13	365.1	T	2 mL	2 mL				
680-102616-G-1 MS	SMSSW13	365.1	T	10 mL	10 mL	0.1 mL			
680-102616-G-1 MSD	SMSSW13	365.1	T	10 mL	10 mL	0.1 mL			
680-102616-G-2	SMSSW09	365.1	T	2 mL	2 mL				
680-102616-G-3	SMSSW14	365.1	T	2 mL	2 mL				
680-102616-G-4	SMSSW09 Spring	365.1	T	2 mL	2 mL				
680-102616-G-5	SMSSW01	365.1	T	2 mL	2 mL				
680-102616-G-6	SMSSW11	365.1	T	2 mL	2 mL				
680-102616-G-7	SMSSW08 Spring	365.1	T	2 mL	2 mL				
CCV 680-336062/13		365.1		2 mL	2 mL		2 mL		
CCB 680-336062/14		365.1		2 mL	2 mL				
680-102616-G-8	SMSSW08	365.1	T	2 mL	2 mL				
680-102616-G-9	SMSSW04	365.1	T	2 mL	2 mL				
680-102616-G-11	SMSMW07A	365.1	T	2 mL	2 mL				
680-102616-G-13	SMSMW12B	365.1	T	2 mL	2 mL				
680-102616-G-12	SMSMW12A	365.1	T	2 mL	2 mL				
680-102616-G-14	SMSMW07B	365.1	T	2 mL	2 mL				
680-102616-I-15	SMSMW11B	365.1	T	2 mL	2 mL				
CCV 680-336062/22		365.1		2 mL	2 mL		2 mL		
CCB 680-336062/23		365.1		2 mL	2 mL				
CCV 680-336062/24		365.1		2 mL	2 mL		2 mL		
CCB 680-336062/25		365.1		2 mL	2 mL				
680-102616-G-10	SMSSW94	365.1	T	2 mL	2 mL				
680-102616-G-10 DU	SMSSW94	365.1	T	2 mL	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.: 680-102616-1

SDG No.:

Batch Number: 336062 Batch Start Date: 06/24/14 13:45 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 06/25/14 14:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 100ppm 00093	PO4 LCS 00118		
CCV 680-336062/28		365.1		2 mL	2 mL		2 mL		
CCB 680-336062/29		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	400-92350-A-2
Ascorbic Acid Reagent ID Number	ortho reagent 2 00376
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.: 680-102616-1

SDG No.:

Batch Number: 335253 Batch Start Date: 06/19/14 08:46 Batch Analyst: Xiang, George R

Batch Method: 7196A Batch End Date: 06/19/14 14:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	CR6 ICV 00031		
ICB 680-335253/8		7196A		2 mL	2 mL	Color Resp. is Blank			
ICV 680-335253/9		7196A		2 mL	2 mL	Color Resp. is Blank	2 mL		

Batch Notes	
Batch Comment	Dil. Batch: 335258
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	cr6 reagent 00118
First End time	06/19/14 14:17
pH Range	1.5-2.5
Pipette ID	ge1
First Start time	06/19/14 08:46

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.: 680-102616-1

SDG No.:

Batch Number: 336063 Batch Start Date: 06/24/14 12:20 Batch Analyst: Xiang, George R

Batch Method: 7196A Batch End Date: 06/25/14 17:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	Cr6 Cal Stock 00007	CR6 LCS 00123	
LCS 680-336063/1		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
MB 680-336063/2		7196A		2 mL	2 mL	Color Resp. is Blank			
680-102616-G-12	SMSMW12A	7196A	T	2 mL	2 mL	Color Resp. is Blank			
680-102616-G-12 MS	SMSMW12A	7196A	T	10 mL	10 mL	Color Resp. is Blank	0.2 mL		
680-102616-G-12 MSD	SMSMW12A	7196A	T	10 mL	10 mL	Color Resp. is Blank	0.2 mL		
680-102616-G-13	SMSMW12B	7196A	T	2 mL	2 mL	Color Resp. is Blank			
680-102616-I-15	SMSMW11B	7196A	T	2 mL	2 mL	Color Resp. is Blank			
CCV 680-336063/8		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
CCB 680-336063/9		7196A		2 mL	2 mL	Color Resp. is Blank			

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	cr6 reagent 00119
First End time	06/25/14 17:19
pH Range	1.5-2.5
Pipette ID	ge1
First Start time	06/24/14 12:20

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.: 680-102616-1

SDG No.:

Batch Number: 336411 Batch Start Date: 06/26/14 12:16 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 06/26/14 13:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-336411/1		4500 S2 F-2011		0 mL	10.00 mL	10 mL	2.5 mL	250 mL	250 mL
LCS 680-336411/2		4500 S2 F-2011		0 mL	3.45 mL	3.45 mL	2.5 mL	250 mL	250 mL
LCSD 680-336411/3		4500 S2 F-2011		0 mL	3.43 mL	3.43 mL	2.5 mL	250 mL	250 mL
680-102616-C-1	SMSSW13	4500 S2 F-2011	T	0 mL	10.15 mL	10.15 mL	2.5 mL	250 mL	250 mL
680-102616-C-2	SMSSW09	4500 S2 F-2011	T	0 mL	9.95 mL	9.95 mL	2.5 mL	250 mL	250 mL
680-102616-C-3	SMSSW14	4500 S2 F-2011	T	0 mL	10.20 mL	10.2 mL	2.5 mL	250 mL	250 mL
680-102616-C-4	SMSSW09 Spring	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-102616-C-5	SMSSW01	4500 S2 F-2011	T	0 mL	9.95 mL	9.95 mL	2.5 mL	250 mL	250 mL
680-102616-C-6	SMSSW11	4500 S2 F-2011	T	0 mL	9.70 mL	9.7 mL	2.5 mL	250 mL	250 mL
680-102616-C-7	SMSSW08 Spring	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-102616-C-8	SMSSW08	4500 S2 F-2011	T	0 mL	10.00 mL	10 mL	2.5 mL	250 mL	250 mL
680-102616-C-9	SMSSW04	4500 S2 F-2011	T	0 mL	10.20 mL	10.2 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00348	
MB 680-336411/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-336411/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	273 uL	
LCSD 680-336411/3		4500 S2 F-2011		>9 SU	<2 SU	N	OK	273 uL	
680-102616-C-1	SMSSW13	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-2	SMSSW09	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-3	SMSSW14	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-4	SMSSW09 Spring	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.: 680-102616-1

SDG No.:

Batch Number: 336411 Batch Start Date: 06/26/14 12:16 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 06/26/14 13:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00348	
680-102616-C-5	SMSSW01	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-6	SMSSW11	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-7	SMSSW08 Spring	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-8	SMSSW08	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-9	SMSSW04	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

Batch Notes	
First End time	06/26/14 13:16
Lot # of hydrochloric acid	3640684
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.095603768 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3633890
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	06/26/14 12:16
Normality of first Titrant	0.024627175 N
Titrant Standardization Date	06.26.14

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.: 680-102616-1

SDG No.:

Batch Number: 336433 Batch Start Date: 06/26/14 14:27 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 06/26/14 15:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-336433/1		4500 S2 F-2011		0 mL	10.00 mL	10 mL	2.5 mL	250 mL	250 mL
LCS 680-336433/2		4500 S2 F-2011		0 mL	4.00 mL	4 mL	2.5 mL	250 mL	250 mL
LCSD 680-336433/3		4500 S2 F-2011		0 mL	3.65 mL	3.65 mL	2.5 mL	250 mL	250 mL
680-102616-C-10	SMSSW94	4500 S2 F-2011	T	0 mL	10.45 mL	10.45 mL	2.5 mL	250 mL	250 mL
680-102616-D-10 DU	SMSSW94	4500 S2 F-2011	T	0 mL	10.30 mL	10.3 mL	2.5 mL	250 mL	250 mL
680-102616-C-11	SMSMW07A	4500 S2 F-2011	T	0 mL	12.85 mL	12.85 mL	2.5 mL	250 mL	250 mL
680-102616-C-12	SMSMW12A	4500 S2 F-2011	T	0 mL	9.95 mL	9.95 mL	2.5 mL	250 mL	250 mL
680-102616-C-13	SMSMW12B	4500 S2 F-2011	T	0 mL	9.75 mL	9.75 mL	2.5 mL	250 mL	250 mL
680-102616-C-14	SMSMW07B	4500 S2 F-2011	T	0 mL	15.35 mL	15.35 mL	2.5 mL	250 mL	250 mL
680-102616-C-15	SMSMW11B	4500 S2 F-2011	T	0 mL	9.25 mL	9.25 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00348	
MB 680-336433/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-336433/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	273 uL	
LCSD 680-336433/3		4500 S2 F-2011		>9 SU	<2 SU	N	OK	273 uL	
680-102616-C-10	SMSSW94	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-D-10 DU	SMSSW94	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-11	SMSMW07A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-12	SMSMW12A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-13	SMSMW12B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-102616-C-14	SMSMW07B	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.: 680-102616-1

SDG No.:

Batch Number: 336433 Batch Start Date: 06/26/14 14:27 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 06/26/14 15:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00348	
680-102616-C-15	SMSMW11B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

Batch Notes	
First End time	06/26/14 15:27
Lot # of hydrochloric acid	3640684
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.095603768 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3633890
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	06/26/14 14:27
Normality of first Titrant	0.024627175 N
Titrant Standardization Date	06.26.14

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.: 680-102616-1

SDG No.:

Batch Number: 337023 Batch Start Date: 06/30/14 13:45 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 06/30/14 16:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	AlkalinityLCS 00034				
MB 680-337023/5		2320B-2011		InitialAmount is blank					
LCS 680-337023/6		2320B-2011		InitialAmount is blank	25 mL				
680-102616-A-6	SMSSW11	2320B-2011	T	InitialAmount is blank					
680-102616-A-3	SMSSW14	2320B-2011	T	InitialAmount is blank					
680-102616-A-4	SMSSW09 Spring	2320B-2011	T	InitialAmount is blank					
680-102616-A-1	SMSSW13	2320B-2011	T	InitialAmount is blank					
680-102616-A-5	SMSSW01	2320B-2011	T	InitialAmount is blank					
680-102616-A-2	SMSSW09	2320B-2011	T	InitialAmount is blank					
680-102616-A-2 DU	SMSSW09	2320B-2011	T	InitialAmount is blank					
LCSD 680-337023/26		2320B-2011		InitialAmount is blank	25 mL				

Batch Notes	
pH Buffer 1 ID	3558917
pH Buffer 2 ID	3598695
pH Buffer 3 ID	3516376
First End time	16:34
Sulfuric Acid Lot Number	HC311143
Sulfuric Acid Vendor	NC Labs
Nominal Amount Used	25 mL
Pipette ID	PC Titrate
Probe ID	PC Titrate
First Start time	13:45
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.: 680-102616-1

SDG No.:

Batch Number: 337023 Batch Start Date: 06/30/14 13:45 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 06/30/14 16:34

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.: 680-102616-1

SDG No.:

Batch Number: 337521 Batch Start Date: 07/02/14 12:47 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 07/02/14 16:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	AlkalinityLCS 00034				
MB 680-337521/5		2320B-2011		InitialAmount is blank					
LCS 680-337521/6		2320B-2011		InitialAmount is blank	25 mL				
680-102616-A-8	SMSSW08	2320B-2011	T	InitialAmount is blank					
680-102616-A-7	SMSSW08 Spring	2320B-2011	T	InitialAmount is blank					
LCSD 680-337521/32		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	16:47
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	12:47
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.: 680-102616-1

SDG No.:

Batch Number: 337853 Batch Start Date: 07/03/14 20:12 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 07/04/14 00:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	AlkalinityLCS 00034				
MB 680-337853/5		2320B-2011		InitialAmount is blank					
LCS 680-337853/6		2320B-2011		InitialAmount is blank	40 mL				
680-102616-E-15	SMSMW11B	2320B-2011	T	InitialAmount is blank					
680-102616-A-13	SMSMW12B	2320B-2011	T	InitialAmount is blank					
680-102616-A-9	SMSSW04	2320B-2011	T	InitialAmount is blank					
680-102616-A-11	SMSMW07A	2320B-2011	T	InitialAmount is blank					
680-102616-A-10	SMSSW94	2320B-2011	T	InitialAmount is blank					
680-102616-A-12	SMSMW12A	2320B-2011	T	InitialAmount is blank					
680-102616-F-14	SMSMW07B	2320B-2011	T	InitialAmount is blank					
680-102616-F-14 DU	SMSMW07B	2320B-2011	T	InitialAmount is blank					
LCSD 680-337853/32		2320B-2011		InitialAmount is blank	40 mL				

Batch Notes	
pH Buffer 1 ID	3598695
pH Buffer 2 ID	3516376
pH Buffer 3 ID	3558917
First End time	00:45
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	20:12
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.: 680-102616-1

SDG No.:

Batch Number: 337853 Batch Start Date: 07/03/14 20:12 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 07/04/14 00:45

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.: 680-102616-1

SDG No.:

Batch Number: 336162 Batch Start Date: 06/25/14 11:52 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 06/26/14 14:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-336162/1		2540C-2011			1	100 mL	97.0277 g	97.0279 g	97.0278 g
LCS 680-336162/2		2540C-2011			2	100 mL	93.0139 g	93.0169 g	93.0165 g
LCSD 680-336162/3		2540C-2011			3	100 mL	89.7521 g	89.7550 g	89.7547 g
680-102616-A-5	SMSSW01	2540C-2011	T	304 umhos/cm	4	50 mL	66.1209 g	66.1315 g	66.1314 g
680-102616-A-5 DU	SMSSW01	2540C-2011	T	304 umhos/cm	5	50 mL	59.9298 g	59.9411 g	59.9410 g
680-102616-A-6	SMSSW11	2540C-2011	T	389 umhos/cm	8	50 mL	63.3064 g	63.3230 g	63.3229 g
680-102616-A-1	SMSSW13	2540C-2011	T	641 umhos/cm	10	50 mL	64.0223 g	64.0516 g	64.0515 g
680-102616-A-4	SMSSW09 Spring	2540C-2011	T	1551 umhos/cm	13	50 mL	63.8227 g	63.8813 g	63.8811 g
680-102616-A-3	SMSSW14	2540C-2011	T	631 umhos/cm	14	50 mL	61.5311 g	61.5588 g	61.5586 g
680-102616-A-2	SMSSW09	2540C-2011	T	1509 umhos/cm	20	50 mL	79.5387 g	79.5890 g	79.5889 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00242
MB 680-336162/1		2540C-2011		0 g	PASS_D	0.00020 g	0.00010 g	100 mL	
LCS 680-336162/2		2540C-2011		0 g	PASS_D	0.00300 g	0.00260 g	100 mL	100 mL
LCSD 680-336162/3		2540C-2011		0 g	PASS_D	0.00290 g	0.00260 g	100 mL	100 mL
680-102616-A-5	SMSSW01	2540C-2011	T	0 g	PASS_D	0.01060 g	0.01050 g	100 mL	
680-102616-A-5 DU	SMSSW01	2540C-2011	T	0 g	PASS_D	0.01130 g	0.01120 g	100 mL	
680-102616-A-6	SMSSW11	2540C-2011	T	0 g	PASS_D	0.01660 g	0.01650 g	100 mL	
680-102616-A-1	SMSSW13	2540C-2011	T	0 g	PASS_D	0.02930 g	0.02920 g	100 mL	
680-102616-A-4	SMSSW09 Spring	2540C-2011	T	0 g	PASS_D	0.05860 g	0.05840 g	100 mL	
680-102616-A-3	SMSSW14	2540C-2011	T	0 g	PASS_D	0.02770 g	0.02750 g	100 mL	
680-102616-A-2	SMSSW09	2540C-2011	T	0 g	PASS_D	0.05030 g	0.05020 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.: 680-102616-1

SDG No.:

Batch Number: 336162 Batch Start Date: 06/25/14 11:52 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 06/26/14 14:47

Batch Notes	
Balance ID	13
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	6-26-14 10:50
Constant Weight (WT2) Date/Time Out	6-26-14 11:50
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	6-25-14
Oven Temp when samples are put in oven	105 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6-26-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GE01
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	180 Celsius
Weight(WT1) Start Date/Time	6-26-14 8:30
Weight(WT1) Date/Time Out	6-26-14 9:30
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.: 680-102616-1

SDG No.:

Batch Number: 336387 Batch Start Date: 06/26/14 11:19 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-336387/1		2540C-2011			I	100 mL	99.5968 g	99.5968 g	99.5969 g
LCS 680-336387/2		2540C-2011			II	100 mL	91.6777 g	91.6807 g	91.6806 g
LCSD 680-336387/3		2540C-2011			III	100 mL	91.6244 g	91.6269 g	91.6270 g
680-102616-A-7	SMSSW08 Spring	2540C-2011	T	1504 umhos/cm	X	50 mL	75.4121 g	75.4665 g	75.4664 g
680-102616-A-8	SMSSW08	2540C-2011	T	1566 umhos/cm	XI	50 mL	79.1498 g	79.2020 g	79.2018 g
680-102616-A-15	SMSMW11B	2540C-2011	T	4850 umhos/cm	XII	10 mL	78.2860 g	78.3454 g	78.3454 g
680-102616-A-12	SMSMW12A	2540C-2011	T	1744 umhos/cm	XIII	50 mL	77.1466 g	77.2097 g	77.2096 g
680-102616-A-10	SMSSW94	2540C-2011	T	3820 umhos/cm	XIV	25 mL	74.4232 g	74.5629 g	74.5630 g
680-102616-A-14	SMSMW07B	2540C-2011	T	6700 umhos/cm	XV	5 mL	74.8071 g	75.0748 g	75.0746 g
680-102616-A-11	SMSMW07A	2540C-2011	T	6510 umhos/cm	XVI	5 mL	76.0823 g	76.2366 g	76.2364 g
680-102616-A-13	SMSMW12B	2540C-2011	T	1760 umhos/cm	XVII	50 mL	77.2442 g	77.3125 g	77.3125 g
680-102616-A-9	SMSSW04	2540C-2011	T	3980 umhos/cm	XVIII	25 mL	74.2145 g	74.3525 g	74.3524 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00242
MB 680-336387/1		2540C-2011		0 g	PASS_D	0.00000 g	0.00010 g	100 mL	
LCS 680-336387/2		2540C-2011		0 g	PASS_D	0.00300 g	0.00290 g	100 mL	100 mL
LCSD 680-336387/3		2540C-2011		0 g	PASS_D	0.00250 g	0.00260 g	100 mL	100 mL
680-102616-A-7	SMSSW08 Spring	2540C-2011	T	0 g	PASS_D	0.05440 g	0.05430 g	100 mL	
680-102616-A-8	SMSSW08	2540C-2011	T	0 g	PASS_D	0.05220 g	0.05200 g	100 mL	
680-102616-A-15	SMSMW11B	2540C-2011	T	0 g	PASS_D	0.05940 g	0.05940 g	100 mL	
680-102616-A-12	SMSMW12A	2540C-2011	T	0 g	PASS_D	0.06310 g	0.06300 g	100 mL	
680-102616-A-10	SMSSW94	2540C-2011	T	0 g	PASS_D	0.13970 g	0.13980 g	100 mL	
680-102616-A-14	SMSMW07B	2540C-2011	T	0 g	PASS_D	0.26770 g	0.26750 g	100 mL	
680-102616-A-11	SMSMW07A	2540C-2011	T	0 g	PASS_D	0.15430 g	0.15410 g	100 mL	
680-102616-A-13	SMSMW12B	2540C-2011	T	0 g	PASS_D	0.06830 g	0.06830 g	100 mL	
680-102616-A-9	SMSSW04	2540C-2011	T	0 g	PASS_D	0.13800 g	0.13790 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.: 680-102616-1

SDG No.:

Batch Number: 336387 Batch Start Date: 06/26/14 11:19 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date:

Batch Notes	
Balance ID	13
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	6-29-14 10:41
Constant Weight (WT2) Date/Time Out	6-29-14 11:41
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	6-26-14
Oven Temp when samples are put in oven	103 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6-29-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GE01
Uncorrected In Temperature	103 Celsius
Uncorrected Out Temperature	180 Celsius
Weight(WT1) Start Date/Time	6-29-14 8:30
Weight(WT1) Date/Time Out	6-29-14 9:30
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.: 680-102616-1

SDG No.:

Batch Number: 337275 Batch Start Date: 06/30/14 17:47 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 07/02/14 08:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00033			
ICV 680-337275/1		5310 B-2011		25 mL	25	25 mL			

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00003

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.: 680-102616-1

SDG No.:

Batch Number: 337842 Batch Start Date: 07/03/14 16:12 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 07/04/14 08:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00033	TOCCALSTD4 00073		
CCV 680-337842/26		5310 B-2011		25 mL	25		25 mL		
CCB 680-337842/27		5310 B-2011		25 mL	25				
LCS 680-337842/34		5310 B-2011		25 mL	25	25 mL			
MB 680-337842/35		5310 B-2011		25 mL	25				
CCV 680-337842/38		5310 B-2011		25 mL	25		25 mL		
CCB 680-337842/39		5310 B-2011		25 mL	25				
680-102616-J-1	SMSSW13	5310 B-2011	T	25 mL	25				
680-102616-I-2	SMSSW09	5310 B-2011	T	25 mL	25				
680-102616-J-3	SMSSW14	5310 B-2011	T	25 mL	25				
680-102616-I-4	SMSSW09 Spring	5310 B-2011	T	25 mL	25				
680-102616-J-5	SMSSW01	5310 B-2011	T	25 mL	25				
680-102616-H-6	SMSSW11	5310 B-2011	T	25 mL	25				
680-102616-I-7	SMSSW08 Spring	5310 B-2011	T	25 mL	25				
CCV 680-337842/50		5310 B-2011		25 mL	25		25 mL		
CCB 680-337842/51		5310 B-2011		25 mL	25				
680-102616-I-8	SMSSW08	5310 B-2011	T	25 mL	25				
680-102616-J-9	SMSSW04	5310 B-2011	T	25 mL	25				
680-102616-J-10	SMSSW94	5310 B-2011	T	25 mL	25				
680-102616-J-11	SMSMW07A	5310 B-2011	T	25 mL	25				
680-102616-I-12	SMSMW12A	5310 B-2011	T	25 mL	25				
680-102616-J-13	SMSMW12B	5310 B-2011	T	25 mL	25				
680-102616-J-14	SMSMW07B	5310 B-2011	T	25 mL	25				
680-102616-K-15	SMSMW11B	5310 B-2011	T	25 mL	25				
CCV 680-337842/62		5310 B-2011		25 mL	25		25 mL		
CCB 680-337842/63		5310 B-2011		25 mL	25				

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.: 680-102616-1

SDG No.:

Batch Number: 337842 Batch Start Date: 07/03/14 16:12 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 07/04/14 08:43

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 85279

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	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: JANICE AUSTIN	CLIENT PHONE: 404-443-2777	CLIENT FAX
CLIENT NAME: J. M. WALLER ASSOC. INC.	CLIENT E-MAIL: janice.austin@jmwaller.com	
CLIENT ADDRESS: 100 HARTSFIELD CENTRE PKWY, SUITE 610 ATLANTA, GA 30354		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ◯

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 300 ORG/FM 28D (SULFATE/FLUORIDE NO2/NO3)	350.1 AMMONIA	2320B ALKALINITY	2540C TDS	SM4500-S2-F SULFIDE	SM5310 TOC	365.1 ORTHO-PHOSPHATE	7196A CR 6	NUMBER OF CONTAINERS SUBMITTED: NONE	H2SO4	NONE	ZnAc/NaOH	H2SO4	NONE	NONE	REMARKS
6/22/14	1415	SMS SW13	G	X				1	1	1	1	2	3	1									
6/22/14	1455	SMS SW09	G	X				1	1	1	1	2	3	1									
6/22/14	1600	SMS SW14	G	X				1	1	1	1	2	3	1									
6/22/14	1645	SMS SW09 SPRING	G	X				1	1	1	1	2	3	1									
6/22/14	1513	SMS SW01	G	X				1	1	1	1	2	3	1									
6/22/14	1545	SMS SW11	G	X				1	1	1	1	2	3	1									
6/23/14	0907	SMS SW08 SPRING	G	X				1	1	1	1	2	3	1									
6/23/14	0922	SMS SW08	G	X				1	1	1	1	2	3	1									
6/23/14	1000	SMS SW04	G	X				1	1	1	1	2	3	1									
6/23/14	1010	SMS SW94	G	X				1	1	1	1	2	3	1									
6/23/14	1030	SMS MW07A	G	X				1	1	1	1	2	3	1									
6/23/14	1330	SMS MW12A	G	X				1	1	1	1	2	3	1	1								

PRESERVATIVE

680-102616 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/23/14	1550						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	06-23-14	1550						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	6/24/14	09:37	YES ◯ NO ◯		680-102616	3.2 a.c, 0.8 a.c, 1.2 a.c, 3.4 a.c

TAL8240-680 (1008)

Serial Number 85278

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	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: JANICE AUSTIN	CLIENT PHONE: 404-443-2777	CLIENT FAX
CLIENT NAME: J.M. WALLER ASSOC. INC	CLIENT E-MAIL: janice.austin@jmwallerco.com	
CLIENT ADDRESS: 100 HARTSFIELD CENTRE PKWY SUITE 610 ATLANTA, GA 30354		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

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	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: NONE (300.0 Chloride, 28D / Sulfate, Fluoride, 28D NO2/NO3)	350.1 Ammonia	2320 B Alkalinity	2540 C TDS	SM 4500-S2-F Sulfide	SM 5310 B TOC	365.1 ortho Phosphate	7196 A CrVI	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								None	H2SO4	None	None	NaOH	H2SO4	None	None		
6/23/14	1340	~~SMSMW12A~~ A,C SMSMW12B	G	X				1	1	1	1	2	3	1	1		
6/23/14	1245	SMSMW07B	G	X				1	1	1	1	2	3	1			
6/23/14	15	SMSMW11B	G	X				1	1	1	1	2	3	1	1		

PRESERVATIVE

6/23/14

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/23/14	1550						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	06-23-14	1550						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	6/24/14	09:37	YES ◯ NO ◯		680-102616	3.2 a.c, 0.8 a.c, 1.2 a.c, 3.4 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: 680-102616-1
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:
7/8/2014 5:12:23 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 680-102616-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
365.1	Phosphorus, Ortho	EPA	TAL SAV
4500 S2 F-2011	Sulfide, Total	SM	TAL SAV
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
7196A	Chromium, Hexavalent	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-102616-1	SMSSW13	Water	06/22/14 14:15	06/24/14 09:37
680-102616-2	SMSSW09	Water	06/22/14 14:55	06/24/14 09:37
680-102616-3	SMSSW14	Water	06/22/14 16:00	06/24/14 09:37
680-102616-4	SMSSW09 Spring	Water	06/22/14 16:45	06/24/14 09:37
680-102616-5	SMSSW01	Water	06/22/14 15:13	06/24/14 09:37
680-102616-6	SMSSW11	Water	06/22/14 15:45	06/24/14 09:37
680-102616-7	SMSSW08 Spring	Water	06/23/14 09:07	06/24/14 09:37
680-102616-8	SMSSW08	Water	06/23/14 09:22	06/24/14 09:37
680-102616-9	SMSSW04	Water	06/23/14 10:00	06/24/14 09:37
680-102616-10	SMSSW94	Water	06/23/14 10:10	06/24/14 09:37
680-102616-11	SMSMW07A	Water	06/23/14 10:30	06/24/14 09:37
680-102616-12	SMSMW12A	Water	06/23/14 13:30	06/24/14 09:37
680-102616-13	SMSMW12B	Water	06/23/14 13:40	06/24/14 09:37
680-102616-14	SMSMW07B	Water	06/23/14 12:45	06/24/14 09:37
680-102616-15	SMSMW11B	Water	06/23/14 15:05	06/24/14 09:37

Job ID: 680-102616-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-102616-1

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 06/24/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.8º C, 1.2º C, 3.2º C and 3.4º C.

HEXAVALENT CHROMIUM

Samples SMSMW12A (680-102616-12), SMSMW12B (680-102616-13) and SMSMW11B (680-102616-15) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 06/24/2014.

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

ALKALINITY

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 06/30/2014, 07/02/2014 and 07/03/2014.

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

TOTAL DISSOLVED SOLIDS

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 06/25/2014 and 06/26/2014.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 06/27/2014, 06/28/2014, 06/30/2014 and 07/01/2014.

Samples SMSSW13 (680-102616-1)[4X], SMSSW09 (680-102616-2)[10X], SMSSW14 (680-102616-3)[4X], SMSSW09 Spring (680-102616-4)[10X], SMSSW08 Spring (680-102616-7)[10X], SMSSW08 (680-102616-8)[10X], SMSSW04 (680-102616-9)[100X],

Job ID: 680-102616-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

SMSSW04 (680-102616-9)[4X], SMSSW94 (680-102616-10)[10X], SMSSW94 (680-102616-10)[100X], SMSMW07A (680-102616-11)[50X], SMSMW07A (680-102616-11)[500X], SMSMW12A (680-102616-12)[10X], SMSMW12B (680-102616-13)[20X], SMSMW07B (680-102616-14)[100X], SMSMW07B (680-102616-14)[2000X], SMSMW11B (680-102616-15)[100X] and SMSMW11B (680-102616-15)[25X] 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)

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 06/24/2014 and 06/25/2014.

The following samples were received with insufficient time remaining to perform the analysis within holding time: SMSSW01 (680-102616-5), SMSSW09 (680-102616-2), SMSSW13 (680-102616-1).

Reanalysis of the following sample was performed outside of the analytical holding time due to sample needed to rerun for Nitrate: SMSSW09 Spring (680-102616-4).

Samples SMSSW09 (680-102616-2)[2X], SMSSW09 Spring (680-102616-4)[2X], SMSSW08 Spring (680-102616-7)[2X], SMSSW08 (680-102616-8)[2X], SMSSW04 (680-102616-9)[2X], SMSSW04 (680-102616-9)[4X], SMSSW94 (680-102616-10)[2X], SMSSW94 (680-102616-10)[4X], SMSMW07A (680-102616-11)[5X], SMSMW12A (680-102616-12)[10X], SMSMW12B (680-102616-13)[10X], SMSMW07B (680-102616-14)[10X] and SMSMW11B (680-102616-15)[10X] 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

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 06/27/2014 and 06/30/2014.

Ammonia failed the recovery criteria high for the MS of sample SMSSW08MS (680-102616-8) in batch 680-336650.

Ammonia failed the recovery criteria high for the MSD of sample SMSSW08MSD (680-102616-8) in batch 680-336650.

Refer to the QC report for details.

Samples SMSSW04 (680-102616-9)[2X], SMSSW94 (680-102616-10)[2X], SMSMW07A (680-102616-11)[200X], SMSMW07B (680-102616-14)[500X] and SMSMW11B (680-102616-15)[100X] 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

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 06/24/2014.

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

Job ID: 680-102616-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

SULFIDE

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 06/26/2014.

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

TOTAL ORGANIC CARBON

Samples SMSSW13 (680-102616-1), SMSSW09 (680-102616-2), SMSSW14 (680-102616-3), SMSSW09 Spring (680-102616-4), SMSSW01 (680-102616-5), SMSSW11 (680-102616-6), SMSSW08 Spring (680-102616-7), SMSSW08 (680-102616-8), SMSSW04 (680-102616-9), SMSSW94 (680-102616-10), SMSMW07A (680-102616-11), SMSMW12A (680-102616-12), SMSMW12B (680-102616-13), SMSMW07B (680-102616-14) and SMSMW11B (680-102616-15) were analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 07/04/2014.

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

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSSW13

Lab Sample ID: 680-102616-1

Date Collected: 06/22/14 14:15

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082	H	0.17	0.082	mg/L			06/25/14 01:11	1
Sulfate	**18**		0.50	0.25	mg/L			06/27/14 14:38	1
Fluoride	**0.32**		0.10	0.025	mg/L			06/27/14 14:38	1
Nitrate as NO3	**7.3**	**H**	0.22	0.11	mg/L			06/25/14 01:11	1
Chloride	**160**		2.0	1.0	mg/L			06/30/14 11:50	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.075**		0.050	0.026	mg/L			06/27/14 11:58	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			07/04/14 03:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**220**		5.0	5.0	mg/L			06/30/14 15:42	1
Total Dissolved Solids	**580**		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW09

Lab Sample ID: 680-102616-2

Date Collected: 06/22/14 14:55

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082	H	0.17	0.082	mg/L			06/25/14 01:27	1
Sulfate	**32**		0.50	0.25	mg/L			06/27/14 15:36	1
Fluoride	**0.68**		0.10	0.025	mg/L			06/27/14 15:36	1
Nitrate as NO3	**12**	**H**	0.44	0.22	mg/L			06/25/14 13:02	2
Chloride	**360**		5.0	2.5	mg/L			06/30/14 12:05	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.079**		0.050	0.026	mg/L			06/27/14 10:53	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	**0.60**	**J**	1.0	0.50	mg/L			07/04/14 03:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**260**		5.0	5.0	mg/L			06/30/14 16:15	1
Total Dissolved Solids	**1000**		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW14

Lab Sample ID: 680-102616-3

Date Collected: 06/22/14 16:00

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 16:58	1
Sulfate	**15**		0.50	0.25	mg/L			06/27/14 16:05	1
Fluoride	**0.24**		0.10	0.025	mg/L			06/27/14 16:05	1
Nitrate as NO3	**6.2**		0.22	0.11	mg/L			06/24/14 16:58	1
Chloride	**130**		2.0	1.0	mg/L			06/30/14 12:19	4

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSSW14

Lab Sample ID: 680-102616-3

Date Collected: 06/22/14 16:00

Matrix: Water

Date Received: 06/24/14 09:37

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.059**		0.050	0.026	mg/L			06/27/14 10:53	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			07/04/14 03:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**200**		5.0	5.0	mg/L			06/30/14 15:27	1
Total Dissolved Solids	**550**		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW09 Spring

Lab Sample ID: 680-102616-4

Date Collected: 06/22/14 16:45

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 17:14	1
Sulfate	**33**		0.50	0.25	mg/L			06/27/14 16:34	1
Fluoride	**0.71**		0.10	0.025	mg/L			06/27/14 16:34	1
Nitrate as NO3	**13**		0.22	0.11	mg/L			06/24/14 17:14	1
Chloride	**370**		5.0	2.5	mg/L			06/30/14 13:02	10

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	**12**	**H**	0.44	0.22	mg/L			06/25/14 00:40	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.077**		0.050	0.026	mg/L			06/27/14 11:58	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			07/04/14 04:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**220**		5.0	5.0	mg/L			06/30/14 15:34	1
Total Dissolved Solids	**1200**		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW01

Lab Sample ID: 680-102616-5

Date Collected: 06/22/14 15:13

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082	H	0.17	0.082	mg/L			06/25/14 01:42	1
Sulfate	**3.8**		0.50	0.25	mg/L			06/27/14 17:31	1
Fluoride	**0.047**	**J**	0.10	0.025	mg/L			06/27/14 17:31	1
Nitrate as NO3	**1.6**	**H**	0.22	0.11	mg/L			06/25/14 01:42	1
Chloride	**3.6**		0.50	0.25	mg/L			06/27/14 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.071**		0.050	0.026	mg/L			06/27/14 11:58	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSSW01

Lab Sample ID: 680-102616-5

Date Collected: 06/22/14 15:13

Matrix: Water

Date Received: 06/24/14 09:37

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.59	J	1.0	0.50	mg/L			07/04/14 04:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	160		5.0	5.0	mg/L			06/30/14 15:49	1
Total Dissolved Solids	210		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW11

Lab Sample ID: 680-102616-6

Date Collected: 06/22/14 15:45

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 16:43	1
Sulfate	7.1		0.50	0.25	mg/L			06/27/14 17:46	1
Fluoride	0.043	J	0.10	0.025	mg/L			06/27/14 17:46	1
Nitrate as NO3	4.0		0.22	0.11	mg/L			06/24/14 16:43	1
Chloride	9.0		0.50	0.25	mg/L			06/27/14 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10		0.050	0.026	mg/L			06/27/14 11:58	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	1.2		1.0	0.50	mg/L			07/04/14 04:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	200		5.0	5.0	mg/L			06/30/14 15:20	1
Total Dissolved Solids	330		10	10	mg/L			06/25/14 11:52	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW08 Spring

Lab Sample ID: 680-102616-7

Date Collected: 06/23/14 09:07

Matrix: Water

Date Received: 06/24/14 09:37

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			06/24/14 18:00	2
Sulfate	30		0.50	0.25	mg/L			06/27/14 18:00	1
Fluoride	0.42		0.10	0.025	mg/L			06/27/14 18:00	1
Nitrate as NO3	10		0.44	0.22	mg/L			06/24/14 18:00	2
Chloride	360		5.0	2.5	mg/L			06/27/14 18:14	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.090		0.050	0.026	mg/L			06/27/14 12:07	1
ortho-Phosphate	0.016	J	0.050	0.016	mg/L			06/24/14 13:45	1
Total Organic Carbon	0.60	J	1.0	0.50	mg/L			07/04/14 04:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	220		5.0	5.0	mg/L			07/02/14 16:27	1
Total Dissolved Solids	1100		10	10	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW08

Lab Sample ID: 680-102616-8

Date Collected: 06/23/14 09:22

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 18:46	1
Sulfate	**33**		0.50	0.25	mg/L			06/27/14 18:29	1
Fluoride	**0.67**		0.10	0.025	mg/L			06/27/14 18:29	1
Nitrate as NO3	**13**		0.44	0.22	mg/L			06/25/14 00:56	2
Chloride	**370**		5.0	2.5	mg/L			06/30/14 13:17	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.17**		0.050	0.026	mg/L			06/27/14 11:58	1
ortho-Phosphate	**0.016**	**J**	0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	**0.75**	**J**	1.0	0.50	mg/L			07/04/14 05:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**230**		5.0	5.0	mg/L			07/02/14 16:21	1
Total Dissolved Solids	**1000**		10	10	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW04

Lab Sample ID: 680-102616-9

Date Collected: 06/23/14 10:00

Matrix: Water

Date Received: 06/24/14 09:37

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			06/24/14 19:02	2
Sulfate	**170**		2.0	1.0	mg/L			06/27/14 19:41	4
Fluoride	**4.2**		0.10	0.025	mg/L			06/27/14 19:26	1
Nitrate as NO3	**27**		0.88	0.44	mg/L			06/25/14 10:44	4
Chloride	**2700**		50	25	mg/L			07/01/14 12:22	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**3.4**		0.10	0.052	mg/L			06/27/14 12:17	2
ortho-Phosphate	**0.022**	**J**	0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	**3.4**		1.0	0.50	mg/L			07/04/14 05:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**340**		5.0	5.0	mg/L			07/03/14 21:12	1
Total Dissolved Solids	**5500**		20	20	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Client Sample ID: SMSSW94

Lab Sample ID: 680-102616-10

Date Collected: 06/23/14 10:10

Matrix: Water

Date Received: 06/24/14 09:37

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			06/24/14 19:17	2
Sulfate	**170**		5.0	2.5	mg/L			06/30/14 13:46	10
Fluoride	**4.2**		0.10	0.025	mg/L			06/27/14 20:24	1
Nitrate as NO3	**25**		0.88	0.44	mg/L			06/25/14 10:59	4
Chloride	**2600**		50	25	mg/L			07/01/14 12:36	100

Client Sample ID: SMSSW94

Lab Sample ID: 680-102616-10

Date Collected: 06/23/14 10:10

Matrix: Water

Date Received: 06/24/14 09:37

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	3.7		0.10	0.052	mg/L			06/27/14 12:27	2
ortho-Phosphate	0.023	J	0.050	0.016	mg/L			06/24/14 14:15	1
Total Organic Carbon	2.9		1.0	0.50	mg/L			07/04/14 06:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	350		5.0	5.0	mg/L			07/03/14 21:35	1
Total Dissolved Solids	5600		20	20	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Client Sample ID: SMSMW07A

Lab Sample ID: 680-102616-11

Date Collected: 06/23/14 10:30

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.41		0.85	0.41	mg/L			06/25/14 11:14	5
Sulfate	1100		25	13	mg/L			06/27/14 20:38	50
Fluoride	12		5.0	1.3	mg/L			06/27/14 20:38	50
Nitrate as NO3	40		1.1	0.55	mg/L			06/25/14 11:14	5
Chloride	20000		250	130	mg/L			06/27/14 21:07	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	290		10	5.2	mg/L			06/27/14 13:27	200
ortho-Phosphate	0.019	J	0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	26		1.0	0.50	mg/L			07/04/14 06:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1200		5.0	5.0	mg/L			07/03/14 21:26	1
Total Dissolved Solids	31000		100	100	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Client Sample ID: SMSMW12A

Lab Sample ID: 680-102616-12

Date Collected: 06/23/14 13:30

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.82		1.7	0.82	mg/L			06/24/14 20:19	10
Sulfate	210		5.0	2.5	mg/L			06/27/14 22:48	10
Fluoride	0.075	J	0.10	0.025	mg/L			06/27/14 22:34	1
Nitrate as NO3	70		2.2	1.1	mg/L			06/24/14 20:19	10
Chloride	260		5.0	2.5	mg/L			06/27/14 22:48	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.66		0.050	0.026	mg/L			06/27/14 12:08	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	1.7		1.0	0.50	mg/L			07/04/14 06:45	1
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			06/24/14 12:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	390		5.0	5.0	mg/L			07/03/14 21:43	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSMW12A

Lab Sample ID: 680-102616-12

Date Collected: 06/23/14 13:30

Matrix: Water

Date Received: 06/24/14 09:37

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1300**		10	10	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Client Sample ID: SMSMW12B

Lab Sample ID: 680-102616-13

Date Collected: 06/23/14 13:40

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.82		1.7	0.82	mg/L			06/24/14 20:34	10
Sulfate	**210**		10	5.0	mg/L			06/27/14 23:46	20
Fluoride	**0.085**	**J**	0.10	0.025	mg/L			06/27/14 23:31	1
Nitrate as NO3	**59**		2.2	1.1	mg/L			06/24/14 20:34	10
Chloride	**250**		10	5.0	mg/L			06/27/14 23:46	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.28**		0.050	0.026	mg/L			06/27/14 12:08	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	**1.4**		1.0	0.50	mg/L			07/04/14 07:06	1
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			06/24/14 12:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**420**		5.0	5.0	mg/L			07/03/14 21:04	1
Total Dissolved Solids	**1400**		10	10	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Client Sample ID: SMSMW07B

Lab Sample ID: 680-102616-14

Date Collected: 06/23/14 12:45

Matrix: Water

Date Received: 06/24/14 09:37

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.82		1.7	0.82	mg/L			06/25/14 11:45	10
Sulfate	**1000**		50	25	mg/L			06/28/14 00:00	100
Fluoride	<2.5		10	2.5	mg/L			06/28/14 00:00	100
Nitrate as NO3	**20**		2.2	1.1	mg/L			06/25/14 11:45	10
Chloride	**38000**		1000	500	mg/L			06/28/14 00:29	2000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**500**		25	13	mg/L			06/27/14 13:27	500
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	**30**		1.0	0.50	mg/L			07/04/14 07:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**1100**		5.0	5.0	mg/L			07/03/14 21:57	1
Total Dissolved Solids	**54000**		100	100	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSMW11B
Date Collected: 06/23/14 15:05
Date Received: 06/24/14 09:37

Lab Sample ID: 680-102616-15
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.82		1.7	0.82	mg/L			06/25/14 12:16	10
Sulfate	**120**		13	6.3	mg/L			06/28/14 01:27	25
Fluoride	**150**		2.5	0.63	mg/L			06/28/14 01:27	25
Nitrate as NO3	**1.6**		0.22	0.11	mg/L			06/24/14 21:36	1
Chloride	**3900**		50	25	mg/L			06/28/14 01:41	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**150**		5.0	2.6	mg/L			06/30/14 18:58	100
ortho-Phosphate	**0.097**		0.050	0.016	mg/L			06/24/14 13:48	1
Total Organic Carbon	**22**		1.0	0.50	mg/L			07/04/14 07:35	1
Chromium, hexavalent	**0.019**		0.010	0.0030	mg/L			06/24/14 12:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**1300**		5.0	5.0	mg/L			07/03/14 20:55	1
Total Dissolved Solids	**5900**		50	50	mg/L			06/26/14 11:19	1
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-336028/11
Matrix: Water
Analysis Batch: 336028

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 13:31	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			06/24/14 13:31	1

Lab Sample ID: LCS 680-336028/12
Matrix: Water
Analysis Batch: 336028

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.29		mg/L		100	90 - 110
Nitrate as NO3	4.42	4.49		mg/L		102	90 - 110

Lab Sample ID: LCSD 680-336028/13
Matrix: Water
Analysis Batch: 336028

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.30		mg/L		100	90 - 110	0	30
Nitrate as NO3	4.42	4.47		mg/L		101	90 - 110	0	30

Lab Sample ID: 680-102616-7 MS
Matrix: Water
Analysis Batch: 336028

Client Sample ID: SMSSW08 Spring
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.16		6.56	6.06		mg/L		92	80 - 120
Nitrate as NO3	10		8.84	20.7		mg/L		120	80 - 120

Lab Sample ID: 680-102616-7 MSD
Matrix: Water
Analysis Batch: 336028

Client Sample ID: SMSSW08 Spring
Prep Type: Total/NA

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	6.05		mg/L		92	80 - 120	0	30
Nitrate as NO3	10		8.84	20.6		mg/L		118	80 - 120	1	30

Lab Sample ID: MB 680-336048/38
Matrix: Water
Analysis Batch: 336048

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/24/14 23:08	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			06/24/14 23:08	1

Lab Sample ID: LCS 680-336048/39
Matrix: Water
Analysis Batch: 336048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.30		mg/L		101	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-336048/39
Matrix: Water
Analysis Batch: 336048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as NO3	4.42	4.58		mg/L		104	90 - 110

Lab Sample ID: LCSD 680-336048/40
Matrix: Water
Analysis Batch: 336048

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.31		mg/L		101	90 - 110	0	30
Nitrate as NO3	4.42	4.60		mg/L		104	90 - 110	1	30

Lab Sample ID: MB 680-336172/5
Matrix: Water
Analysis Batch: 336172

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/25/14 09:57	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			06/25/14 09:57	1

Lab Sample ID: LCS 680-336172/6
Matrix: Water
Analysis Batch: 336172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.37		mg/L		103	90 - 110
Nitrate as NO3	4.42	4.64		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-336172/7
Matrix: Water
Analysis Batch: 336172

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

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	4.63		mg/L		105	90 - 110	0	30

Lab Sample ID: 680-102616-15 MS
Matrix: Water
Analysis Batch: 336172

Client Sample ID: SMSMW11B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.82		32.8	28.6		mg/L		87	80 - 120
Nitrate as NO3	2.0		44.2	46.2		mg/L		100	80 - 120

Lab Sample ID: 680-102616-15 MSD
Matrix: Water
Analysis Batch: 336172

Client Sample ID: SMSMW11B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	<0.82		32.8	28.5		mg/L		87	80 - 120	0	30
Nitrate as NO3	2.0		44.2	46.0		mg/L		100	80 - 120	0	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-336664/20
Matrix: Water
Analysis Batch: 336664

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			06/27/14 13:55	1
Fluoride	<0.025		0.10	0.025	mg/L			06/27/14 13:55	1
Chloride	<0.25		0.50	0.25	mg/L			06/27/14 13:55	1

Lab Sample ID: LCS 680-336664/21
Matrix: Water
Analysis Batch: 336664

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

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	2.07		mg/L		103	90 - 110		
Chloride			10.0	9.82		mg/L		98	90 - 110		

Lab Sample ID: LCSD 680-336664/22
Matrix: Water
Analysis Batch: 336664

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

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	2.07		mg/L		104	90 - 110	0	30
Chloride			10.0	9.81		mg/L		98	90 - 110	0	30

Lab Sample ID: 680-102616-1 MS
Matrix: Water
Analysis Batch: 336664

Client Sample ID: SMSSW13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	18		20.0	36.9		mg/L		97	80 - 120		
Fluoride	0.32		4.00	4.34		mg/L		100	80 - 120		

Lab Sample ID: 680-102616-1 MSD
Matrix: Water
Analysis Batch: 336664

Client Sample ID: SMSSW13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	18		20.0	36.7		mg/L		95	80 - 120	1	30
Fluoride	0.32		4.00	4.28		mg/L		99	80 - 120	1	30

Lab Sample ID: 680-102616-8 MS
Matrix: Water
Analysis Batch: 336664

Client Sample ID: SMSSW08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	32		40.0	70.9		mg/L		97	80 - 120		
Fluoride	0.59		8.00	8.64		mg/L		101	80 - 120		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-102616-8 MSD — **Client Sample ID: SMSSW08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	32		40.0	70.4		mg/L		95	80 - 120	1	30
Fluoride	0.59		8.00	8.56		mg/L		100	80 - 120	1	30

Lab Sample ID: MB 680-336665/53 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			06/27/14 21:50	1
Fluoride	<0.025		0.10	0.025	mg/L			06/27/14 21:50	1
Chloride	<0.25		0.50	0.25	mg/L			06/27/14 21:50	1

Lab Sample ID: LCS 680-336665/54 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336665

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	2.06		mg/L		103	90 - 110
Chloride	10.0	9.83		mg/L		98	90 - 110

Lab Sample ID: LCSD 680-336665/55 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336665

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.1		mg/L		101	90 - 110	0	30
Fluoride	2.00	2.05		mg/L		102	90 - 110	0	30
Chloride	10.0	9.82		mg/L		98	90 - 110	0	30

Lab Sample ID: 680-102616-12 MS — **Client Sample ID: SMSMW12A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	210		100	304		mg/L		95	80 - 120
Fluoride	<0.25		20.0	19.9		mg/L		99	80 - 120
Chloride	260		100	350		mg/L		94	80 - 120

Lab Sample ID: 680-102616-12 MSD — **Client Sample ID: SMSMW12A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	210		100	305		mg/L		96	80 - 120	0	30
Fluoride	<0.25		20.0	20.0		mg/L		100	80 - 120	1	30
Chloride	260		100	351		mg/L		95	80 - 120	0	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-336877/5
Matrix: Water
Analysis Batch: 336877

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			06/30/14 10:53	1
Chloride	<0.25		0.50	0.25	mg/L			06/30/14 10:53	1

Lab Sample ID: LCS 680-336877/6
Matrix: Water
Analysis Batch: 336877

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			10.0	10.4		mg/L		104	90 - 110		
Chloride			10.0	9.85		mg/L		99	90 - 110		

Lab Sample ID: LCSD 680-336877/7
Matrix: Water
Analysis Batch: 336877

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate			10.0	10.3		mg/L		103	90 - 110	0	30
Chloride			10.0	9.85		mg/L		98	90 - 110	0	30

Lab Sample ID: 680-102616-3 MS
Matrix: Water
Analysis Batch: 336877

Client Sample ID: SMSSW14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	15		40.0	54.2		mg/L		98	80 - 120		
Chloride	130		40.0	170		mg/L		93	80 - 120		

Lab Sample ID: 680-102616-3 MSD
Matrix: Water
Analysis Batch: 336877

Client Sample ID: SMSSW14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	15		40.0	54.2		mg/L		99	80 - 120	0	30
Chloride	130		40.0	170		mg/L		93	80 - 120	0	30

Lab Sample ID: MB 680-337073/5
Matrix: Water
Analysis Batch: 337073

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			07/01/14 10:12	1

Lab Sample ID: LCS 680-337073/6
Matrix: Water
Analysis Batch: 337073

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	9.85		mg/L		99	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-337073/7
Matrix: Water
Analysis Batch: 337073

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			10.0	9.86		mg/L		99	90 - 110	0	30

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-337023/5
Matrix: Water
Analysis Batch: 337023

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			06/30/14 14:07	1

Lab Sample ID: LCS 680-337023/6
Matrix: Water
Analysis Batch: 337023

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			250	244		mg/L		98	80 - 120		

Lab Sample ID: LCSD 680-337023/26
Matrix: Water
Analysis Batch: 337023

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity			250	220		mg/L		88	80 - 120	11	30

Lab Sample ID: 680-102616-2 DU
Matrix: Water
Analysis Batch: 337023

Client Sample ID: SMSSW09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	260			211		mg/L				20	30

Lab Sample ID: MB 680-337521/5
Matrix: Water
Analysis Batch: 337521

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			07/02/14 13:17	1

Lab Sample ID: LCS 680-337521/6
Matrix: Water
Analysis Batch: 337521

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			250	243		mg/L		97	80 - 120		

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCSD 680-337521/32
Matrix: Water
Analysis Batch: 337521

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	247		mg/L		99	80 - 120	2	30

Lab Sample ID: MB 680-337853/5
Matrix: Water
Analysis Batch: 337853

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			07/03/14 20:33	1

Lab Sample ID: LCS 680-337853/6
Matrix: Water
Analysis Batch: 337853

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	227		mg/L		91	80 - 120

Lab Sample ID: LCSD 680-337853/32
Matrix: Water
Analysis Batch: 337853

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	249		mg/L		99	80 - 120	9	30

Lab Sample ID: 680-102616-14 DU
Matrix: Water
Analysis Batch: 337853

Client Sample ID: SMSMW07B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	1100		1060		mg/L		6	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-336162/1
Matrix: Water
Analysis Batch: 336162

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			06/25/14 11:52	1

Lab Sample ID: LCS 680-336162/2
Matrix: Water
Analysis Batch: 336162

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	25.0	26.0		mg/L		104	80 - 120

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCSD 680-336162/3
Matrix: Water
Analysis Batch: 336162

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			25.0	26.0		mg/L		104	80 - 120	0	25

Lab Sample ID: 680-102616-5 DU
Matrix: Water
Analysis Batch: 336162

Client Sample ID: SMSSW01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	210			224		mg/L				6	25

Lab Sample ID: MB 680-336387/1
Matrix: Water
Analysis Batch: 336387

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			06/26/14 11:19	1

Lab Sample ID: LCS 680-336387/2
Matrix: Water
Analysis Batch: 336387

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			25.0	29.0		mg/L		116	80 - 120		

Lab Sample ID: LCSD 680-336387/3
Matrix: Water
Analysis Batch: 336387

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			25.0	26.0		mg/L		104	80 - 120	11	25

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-336649/23
Matrix: Water
Analysis Batch: 336649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			06/27/14 11:02	1

Lab Sample ID: LCS 680-336649/22
Matrix: Water
Analysis Batch: 336649

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			1.00	1.02		mg/L		102	90 - 110		

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 680-336650/44 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336650

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			06/27/14 13:29	1

Lab Sample ID: LCS 680-336650/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.05		mg/L		104	90 - 110

Lab Sample ID: 680-102616-8 MS — **Client Sample ID: SMSSW08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.17		1.00	1.39	F1	mg/L		122	90 - 110

Lab Sample ID: 680-102616-8 MSD — **Client Sample ID: SMSSW08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336650

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.17		1.00	1.38	F1	mg/L		121	90 - 110	1	30

Lab Sample ID: 680-102616-9 DU — **Client Sample ID: SMSSW04**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336650

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	3.4		3.38		mg/L		0.8	30

Lab Sample ID: MB 680-337084/22 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			07/01/14 09:00	1

Lab Sample ID: LCS 680-337084/36 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.990		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-337084/41 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337084

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	1.00	1.01		mg/L		101	90 - 110	2	30

Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 680-336062/2
Matrix: Water
Analysis Batch: 336062

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/24/14 13:45	1

Lab Sample ID: LCS 680-336062/1
Matrix: Water
Analysis Batch: 336062

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	1.20	1.13		mg/L		94	90 - 110

Lab Sample ID: 680-102616-1 MS
Matrix: Water
Analysis Batch: 336062

Client Sample ID: SMSSW13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	<0.016		1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: 680-102616-1 MSD
Matrix: Water
Analysis Batch: 336062

Client Sample ID: SMSSW13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ortho-Phosphate	<0.016		1.00	1.04		mg/L		104	90 - 110	2	30

Lab Sample ID: 680-102616-10 DU
Matrix: Water
Analysis Batch: 336062

Client Sample ID: SMSSW94
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
ortho-Phosphate	0.023	J	0.0241	J	mg/L		4	30

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-336411/1
Matrix: Water
Analysis Batch: 336411

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 12:16	1

Lab Sample ID: LCS 680-336411/2
Matrix: Water
Analysis Batch: 336411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	9.99	9.86		mg/L		99	75 - 125

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCSD 680-336411/3
Matrix: Water
Analysis Batch: 336411

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			9.99	9.89		mg/L		99	75 - 125	0	30

Lab Sample ID: MB 680-336433/1
Matrix: Water
Analysis Batch: 336433

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			06/26/14 14:27	1

Lab Sample ID: LCS 680-336433/2
Matrix: Water
Analysis Batch: 336433

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			9.99	8.99		mg/L		90	75 - 125		

Lab Sample ID: LCSD 680-336433/3
Matrix: Water
Analysis Batch: 336433

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			9.99	9.54		mg/L		96	75 - 125	6	30

Lab Sample ID: 680-102616-10 DU
Matrix: Water
Analysis Batch: 336433

Client Sample ID: SMSSW94
Prep Type: Total/NA

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 680-337842/35
Matrix: Water
Analysis Batch: 337842

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			07/04/14 01:09	1

Lab Sample ID: LCS 680-337842/34
Matrix: Water
Analysis Batch: 337842

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	19.4		mg/L		97	80 - 120		

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 680-336063/2
Matrix: Water
Analysis Batch: 336063

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			06/24/14 12:20	1

Lab Sample ID: LCS 680-336063/1
Matrix: Water
Analysis Batch: 336063

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chromium, hexavalent			0.200	0.198		mg/L		99	85 - 115		

Lab Sample ID: 680-102616-12 MS
Matrix: Water
Analysis Batch: 336063

Client Sample ID: SMSMW12A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chromium, hexavalent	<0.0030		0.200	0.194		mg/L		97	85 - 115		

Lab Sample ID: 680-102616-12 MSD
Matrix: Water
Analysis Batch: 336063

Client Sample ID: SMSMW12A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	<0.0030		0.200	0.190		mg/L		95	85 - 115	2	20

HPLC/IC

Analysis Batch: 336028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-3	SMSSW14	Total/NA	Water	300.0	
680-102616-4	SMSSW09 Spring	Total/NA	Water	300.0	
680-102616-6	SMSSW11	Total/NA	Water	300.0	
680-102616-7	SMSSW08 Spring	Total/NA	Water	300.0	
680-102616-7 MS	SMSSW08 Spring	Total/NA	Water	300.0	
680-102616-7 MSD	SMSSW08 Spring	Total/NA	Water	300.0	
680-102616-8	SMSSW08	Total/NA	Water	300.0	
680-102616-9	SMSSW04	Total/NA	Water	300.0	
680-102616-10	SMSSW94	Total/NA	Water	300.0	
680-102616-12	SMSMW12A	Total/NA	Water	300.0	
680-102616-13	SMSMW12B	Total/NA	Water	300.0	
680-102616-15	SMSMW11B	Total/NA	Water	300.0	
LCS 680-336028/12	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336028/13	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336028/11	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 336048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	300.0	
680-102616-2	SMSSW09	Total/NA	Water	300.0	
680-102616-4 - DL	SMSSW09 Spring	Total/NA	Water	300.0	
680-102616-5	SMSSW01	Total/NA	Water	300.0	
680-102616-8	SMSSW08	Total/NA	Water	300.0	
LCS 680-336048/39	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336048/40	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336048/38	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 336172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-2	SMSSW09	Total/NA	Water	300.0	
680-102616-9	SMSSW04	Total/NA	Water	300.0	
680-102616-10	SMSSW94	Total/NA	Water	300.0	
680-102616-11	SMSMW07A	Total/NA	Water	300.0	
680-102616-14	SMSMW07B	Total/NA	Water	300.0	
680-102616-15	SMSMW11B	Total/NA	Water	300.0	
680-102616-15 MS	SMSMW11B	Total/NA	Water	300.0	
680-102616-15 MSD	SMSMW11B	Total/NA	Water	300.0	
LCS 680-336172/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336172/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336172/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 336664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	300.0	
680-102616-1 MS	SMSSW13	Total/NA	Water	300.0	
680-102616-1 MSD	SMSSW13	Total/NA	Water	300.0	
680-102616-2	SMSSW09	Total/NA	Water	300.0	
680-102616-3	SMSSW14	Total/NA	Water	300.0	
680-102616-4	SMSSW09 Spring	Total/NA	Water	300.0	
680-102616-5	SMSSW01	Total/NA	Water	300.0	
680-102616-6	SMSSW11	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 336664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-7	SMSSW08 Spring	Total/NA	Water	300.0	
680-102616-7	SMSSW08 Spring	Total/NA	Water	300.0	
680-102616-8	SMSSW08	Total/NA	Water	300.0	
680-102616-8 MS	SMSSW08	Total/NA	Water	300.0	
680-102616-8 MSD	SMSSW08	Total/NA	Water	300.0	
680-102616-9	SMSSW04	Total/NA	Water	300.0	
680-102616-9	SMSSW04	Total/NA	Water	300.0	
680-102616-10	SMSSW94	Total/NA	Water	300.0	
680-102616-11	SMSMW07A	Total/NA	Water	300.0	
680-102616-11	SMSMW07A	Total/NA	Water	300.0	
LCS 680-336664/21	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336664/22	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336664/20	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 336665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-12	SMSMW12A	Total/NA	Water	300.0	
680-102616-12	SMSMW12A	Total/NA	Water	300.0	
680-102616-12 MS	SMSMW12A	Total/NA	Water	300.0	
680-102616-12 MSD	SMSMW12A	Total/NA	Water	300.0	
680-102616-13	SMSMW12B	Total/NA	Water	300.0	
680-102616-13	SMSMW12B	Total/NA	Water	300.0	
680-102616-14	SMSMW07B	Total/NA	Water	300.0	
680-102616-14	SMSMW07B	Total/NA	Water	300.0	
680-102616-15	SMSMW11B	Total/NA	Water	300.0	
680-102616-15	SMSMW11B	Total/NA	Water	300.0	
LCS 680-336665/54	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336665/55	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336665/53	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 336877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	300.0	
680-102616-2	SMSSW09	Total/NA	Water	300.0	
680-102616-3	SMSSW14	Total/NA	Water	300.0	
680-102616-3 MS	SMSSW14	Total/NA	Water	300.0	
680-102616-3 MSD	SMSSW14	Total/NA	Water	300.0	
680-102616-4	SMSSW09 Spring	Total/NA	Water	300.0	
680-102616-8	SMSSW08	Total/NA	Water	300.0	
680-102616-10	SMSSW94	Total/NA	Water	300.0	
LCS 680-336877/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336877/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336877/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 337073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-9	SMSSW04	Total/NA	Water	300.0	
680-102616-10	SMSSW94	Total/NA	Water	300.0	
LCS 680-337073/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-337073/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-337073/5	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 336062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	365.1	
680-102616-1 MS	SMSSW13	Total/NA	Water	365.1	
680-102616-1 MSD	SMSSW13	Total/NA	Water	365.1	
680-102616-2	SMSSW09	Total/NA	Water	365.1	
680-102616-3	SMSSW14	Total/NA	Water	365.1	
680-102616-4	SMSSW09 Spring	Total/NA	Water	365.1	
680-102616-5	SMSSW01	Total/NA	Water	365.1	
680-102616-6	SMSSW11	Total/NA	Water	365.1	
680-102616-7	SMSSW08 Spring	Total/NA	Water	365.1	
680-102616-8	SMSSW08	Total/NA	Water	365.1	
680-102616-9	SMSSW04	Total/NA	Water	365.1	
680-102616-10	SMSSW94	Total/NA	Water	365.1	
680-102616-10 DU	SMSSW94	Total/NA	Water	365.1	
680-102616-11	SMSMW07A	Total/NA	Water	365.1	
680-102616-12	SMSMW12A	Total/NA	Water	365.1	
680-102616-13	SMSMW12B	Total/NA	Water	365.1	
680-102616-14	SMSMW07B	Total/NA	Water	365.1	
680-102616-15	SMSMW11B	Total/NA	Water	365.1	
LCS 680-336062/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-336062/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 336063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-12	SMSMW12A	Total/NA	Water	7196A	
680-102616-12 MS	SMSMW12A	Total/NA	Water	7196A	
680-102616-12 MSD	SMSMW12A	Total/NA	Water	7196A	
680-102616-13	SMSMW12B	Total/NA	Water	7196A	
680-102616-15	SMSMW11B	Total/NA	Water	7196A	
LCS 680-336063/1	Lab Control Sample	Total/NA	Water	7196A	
MB 680-336063/2	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 336162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	2540C-2011	
680-102616-2	SMSSW09	Total/NA	Water	2540C-2011	
680-102616-3	SMSSW14	Total/NA	Water	2540C-2011	
680-102616-4	SMSSW09 Spring	Total/NA	Water	2540C-2011	
680-102616-5	SMSSW01	Total/NA	Water	2540C-2011	
680-102616-5 DU	SMSSW01	Total/NA	Water	2540C-2011	
680-102616-6	SMSSW11	Total/NA	Water	2540C-2011	
LCS 680-336162/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-336162/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-336162/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 336387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-7	SMSSW08 Spring	Total/NA	Water	2540C-2011	
680-102616-8	SMSSW08	Total/NA	Water	2540C-2011	
680-102616-9	SMSSW04	Total/NA	Water	2540C-2011	
680-102616-10	SMSSW94	Total/NA	Water	2540C-2011	
680-102616-11	SMSMW07A	Total/NA	Water	2540C-2011	

General Chemistry (Continued)

Analysis Batch: 336387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-12	SMSMW12A	Total/NA	Water	2540C-2011	
680-102616-13	SMSMW12B	Total/NA	Water	2540C-2011	
680-102616-14	SMSMW07B	Total/NA	Water	2540C-2011	
680-102616-15	SMSMW11B	Total/NA	Water	2540C-2011	
LCS 680-336387/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-336387/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-336387/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 336411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	4500 S2 F-2011	
680-102616-2	SMSSW09	Total/NA	Water	4500 S2 F-2011	
680-102616-3	SMSSW14	Total/NA	Water	4500 S2 F-2011	
680-102616-4	SMSSW09 Spring	Total/NA	Water	4500 S2 F-2011	
680-102616-5	SMSSW01	Total/NA	Water	4500 S2 F-2011	
680-102616-6	SMSSW11	Total/NA	Water	4500 S2 F-2011	
680-102616-7	SMSSW08 Spring	Total/NA	Water	4500 S2 F-2011	
680-102616-8	SMSSW08	Total/NA	Water	4500 S2 F-2011	
680-102616-9	SMSSW04	Total/NA	Water	4500 S2 F-2011	
LCS 680-336411/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-336411/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MB 680-336411/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 336433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-10	SMSSW94	Total/NA	Water	4500 S2 F-2011	
680-102616-10 DU	SMSSW94	Total/NA	Water	4500 S2 F-2011	
680-102616-11	SMSMW07A	Total/NA	Water	4500 S2 F-2011	
680-102616-12	SMSMW12A	Total/NA	Water	4500 S2 F-2011	
680-102616-13	SMSMW12B	Total/NA	Water	4500 S2 F-2011	
680-102616-14	SMSMW07B	Total/NA	Water	4500 S2 F-2011	
680-102616-15	SMSMW11B	Total/NA	Water	4500 S2 F-2011	
LCS 680-336433/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-336433/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MB 680-336433/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 336649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	350.1	
680-102616-2	SMSSW09	Total/NA	Water	350.1	
680-102616-3	SMSSW14	Total/NA	Water	350.1	
680-102616-4	SMSSW09 Spring	Total/NA	Water	350.1	
680-102616-5	SMSSW01	Total/NA	Water	350.1	
680-102616-6	SMSSW11	Total/NA	Water	350.1	
680-102616-7	SMSSW08 Spring	Total/NA	Water	350.1	
LCS 680-336649/22	Lab Control Sample	Total/NA	Water	350.1	
MB 680-336649/23	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 336650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-8	SMSSW08	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 336650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-8 MS	SMSSW08	Total/NA	Water	350.1	
680-102616-8 MSD	SMSSW08	Total/NA	Water	350.1	
680-102616-9	SMSSW04	Total/NA	Water	350.1	
680-102616-9 DU	SMSSW04	Total/NA	Water	350.1	
680-102616-10	SMSSW94	Total/NA	Water	350.1	
680-102616-11	SMSMW07A	Total/NA	Water	350.1	
680-102616-12	SMSMW12A	Total/NA	Water	350.1	
680-102616-13	SMSMW12B	Total/NA	Water	350.1	
680-102616-14	SMSMW07B	Total/NA	Water	350.1	
LCS 680-336650/4	Lab Control Sample	Total/NA	Water	350.1	
MB 680-336650/44	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 337023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	2320B-2011	
680-102616-2	SMSSW09	Total/NA	Water	2320B-2011	
680-102616-2 DU	SMSSW09	Total/NA	Water	2320B-2011	
680-102616-3	SMSSW14	Total/NA	Water	2320B-2011	
680-102616-4	SMSSW09 Spring	Total/NA	Water	2320B-2011	
680-102616-5	SMSSW01	Total/NA	Water	2320B-2011	
680-102616-6	SMSSW11	Total/NA	Water	2320B-2011	
LCS 680-337023/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-337023/26	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-337023/5	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 337084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-15	SMSMW11B	Total/NA	Water	350.1	
LCS 680-337084/36	Lab Control Sample	Total/NA	Water	350.1	
LCSD 680-337084/41	Lab Control Sample Dup	Total/NA	Water	350.1	
MB 680-337084/22	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 337521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-7	SMSSW08 Spring	Total/NA	Water	2320B-2011	
680-102616-8	SMSSW08	Total/NA	Water	2320B-2011	
LCS 680-337521/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-337521/32	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-337521/5	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 337842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-1	SMSSW13	Total/NA	Water	5310 B-2011	
680-102616-2	SMSSW09	Total/NA	Water	5310 B-2011	
680-102616-3	SMSSW14	Total/NA	Water	5310 B-2011	
680-102616-4	SMSSW09 Spring	Total/NA	Water	5310 B-2011	
680-102616-5	SMSSW01	Total/NA	Water	5310 B-2011	
680-102616-6	SMSSW11	Total/NA	Water	5310 B-2011	
680-102616-7	SMSSW08 Spring	Total/NA	Water	5310 B-2011	
680-102616-8	SMSSW08	Total/NA	Water	5310 B-2011	
680-102616-9	SMSSW04	Total/NA	Water	5310 B-2011	

General Chemistry (Continued)

Analysis Batch: 337842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-10	SMSSW94	Total/NA	Water	5310 B-2011	
680-102616-11	SMSMW07A	Total/NA	Water	5310 B-2011	
680-102616-12	SMSMW12A	Total/NA	Water	5310 B-2011	
680-102616-13	SMSMW12B	Total/NA	Water	5310 B-2011	
680-102616-14	SMSMW07B	Total/NA	Water	5310 B-2011	
680-102616-15	SMSMW11B	Total/NA	Water	5310 B-2011	
LCS 680-337842/34	Lab Control Sample	Total/NA	Water	5310 B-2011	
MB 680-337842/35	Method Blank	Total/NA	Water	5310 B-2011	

Analysis Batch: 337853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102616-9	SMSSW04	Total/NA	Water	2320B-2011	
680-102616-10	SMSSW94	Total/NA	Water	2320B-2011	
680-102616-11	SMSMW07A	Total/NA	Water	2320B-2011	
680-102616-12	SMSMW12A	Total/NA	Water	2320B-2011	
680-102616-13	SMSMW12B	Total/NA	Water	2320B-2011	
680-102616-14	SMSMW07B	Total/NA	Water	2320B-2011	
680-102616-14 DU	SMSMW07B	Total/NA	Water	2320B-2011	
680-102616-15	SMSMW11B	Total/NA	Water	2320B-2011	
LCS 680-337853/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-337853/32	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-337853/5	Method Blank	Total/NA	Water	2320B-2011	

Client Sample ID: SMSSW13

Lab Sample ID: 680-102616-1

Date Collected: 06/22/14 14:15

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336048	06/25/14 01:11	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 14:38	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		4	5 mL	5 mL	336877	06/30/14 11:50	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 15:42	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 11:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 03:04	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW09

Lab Sample ID: 680-102616-2

Date Collected: 06/22/14 14:55

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336048	06/25/14 01:27	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		2	5 mL	5 mL	336172	06/25/14 13:02	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 15:36	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336877	06/30/14 12:05	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 16:15	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 10:53	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSSW09

Lab Sample ID: 680-102616-2

Date Collected: 06/22/14 14:55

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 03:24	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW14

Lab Sample ID: 680-102616-3

Date Collected: 06/22/14 16:00

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 16:58	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 16:05	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		4	5 mL	5 mL	336877	06/30/14 12:19	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 15:27	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 10:53	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 03:43	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW09 Spring

Lab Sample ID: 680-102616-4

Date Collected: 06/22/14 16:45

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 17:14	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0	DL	2	5 mL	5 mL	336048	06/25/14 00:40	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 16:34	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336877	06/30/14 13:02	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 15:34	LBH	TAL SAV
	Instrument ID: MANTECH									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSSW09 Spring

Lab Sample ID: 680-102616-4

Date Collected: 06/22/14 16:45
Matrix: Water
Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 11:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 04:01	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW01

Lab Sample ID: 680-102616-5

Date Collected: 06/22/14 15:13
Matrix: Water
Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336048	06/25/14 01:42	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 17:31	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 15:49	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 11:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 04:15	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW11

Lab Sample ID: 680-102616-6

Date Collected: 06/22/14 15:45
Matrix: Water
Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 16:43	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 17:46	PAT	TAL SAV
	Instrument ID: CICL									

Client Sample ID: SMSSW11

Lab Sample ID: 680-102616-6

Date Collected: 06/22/14 15:45

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			337023	06/30/14 15:20	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336162	06/25/14 11:52	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 11:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 04:34	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW08 Spring

Lab Sample ID: 680-102616-7

Date Collected: 06/23/14 09:07

Matrix: Water

Date Received: 06/24/14 09:37

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	336028	06/24/14 18:00	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 18:00	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336664	06/27/14 18:14	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337521	07/02/14 16:27	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336649	06/27/14 12:07	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:45	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 04:50	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW08

Lab Sample ID: 680-102616-8

Date Collected: 06/23/14 09:22

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 18:46	VAS	TAL SAV

Client Sample ID: SMSSW08 — **Lab Sample ID: 680-102616-8**

Date Collected: 06/23/14 09:22 — **Matrix: Water**

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 18:46	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		2	5 mL	5 mL	336048	06/25/14 00:56	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 18:29	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336877	06/30/14 13:17	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337521	07/02/14 16:21	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336650	06/27/14 11:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 05:38	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW04 — **Lab Sample ID: 680-102616-9**

Date Collected: 06/23/14 10:00 — **Matrix: Water**

Date Received: 06/24/14 09:37

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	336028	06/24/14 19:02	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		4	5 mL	5 mL	336172	06/25/14 10:44	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 19:26	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		4	5 mL	5 mL	336664	06/27/14 19:41	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		100	5 mL	5 mL	337073	07/01/14 12:22	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:12	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	25 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		2	2 mL	2 mL	336650	06/27/14 12:17	JME	TAL SAV
	Instrument ID: KONELAB1									

Client Sample ID: SMSSW04

Lab Sample ID: 680-102616-9

Date Collected: 06/23/14 10:00

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336411	06/26/14 12:16	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 05:52	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW94

Lab Sample ID: 680-102616-10

Date Collected: 06/23/14 10:10

Matrix: Water

Date Received: 06/24/14 09:37

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	336028	06/24/14 19:17	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		4	5 mL	5 mL	336172	06/25/14 10:59	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336664	06/27/14 20:24	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336877	06/30/14 13:46	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		100	5 mL	5 mL	337073	07/01/14 12:36	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:35	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	25 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		2	2 mL	2 mL	336650	06/27/14 12:27	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 14:15	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 06:15	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSMW07A

Lab Sample ID: 680-102616-11

Date Collected: 06/23/14 10:30

Matrix: Water

Date Received: 06/24/14 09:37

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		5	5 mL	5 mL	336172	06/25/14 11:14	VAS	TAL SAV
	Instrument ID: CICG									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSMW07A

Lab Sample ID: 680-102616-11

Date Collected: 06/23/14 10:30

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	5 mL	5 mL	336664	06/27/14 20:38	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		500	5 mL	5 mL	336664	06/27/14 21:07	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:26	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	5 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		200	2 mL	2 mL	336650	06/27/14 13:27	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 06:29	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSMW12A

Lab Sample ID: 680-102616-12

Date Collected: 06/23/14 13:30

Matrix: Water

Date Received: 06/24/14 09:37

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		10	5 mL	5 mL	336028	06/24/14 20:19	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336665	06/27/14 22:34	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336665	06/27/14 22:48	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:43	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336650	06/27/14 12:08	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 06:45	CMP	TAL SAV
	Instrument ID: TOC3									
Total/NA	Analysis	7196A		1	2 mL	2 mL	336063	06/24/14 12:20	GRX	TAL SAV
	Instrument ID: KONELAB2									

Client Sample ID: SMSMW12B

Lab Sample ID: 680-102616-13

Date Collected: 06/23/14 13:40

Matrix: Water

Date Received: 06/24/14 09:37

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		10	5 mL	5 mL	336028	06/24/14 20:34	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	336665	06/27/14 23:31	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		20	5 mL	5 mL	336665	06/27/14 23:46	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:04	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	336650	06/27/14 12:08	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 07:06	CMP	TAL SAV
	Instrument ID: TOC3									
Total/NA	Analysis	7196A		1	2 mL	2 mL	336063	06/24/14 12:20	GRX	TAL SAV
	Instrument ID: KONELAB2									

Client Sample ID: SMSMW07B

Lab Sample ID: 680-102616-14

Date Collected: 06/23/14 12:45

Matrix: Water

Date Received: 06/24/14 09:37

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		10	5 mL	5 mL	336172	06/25/14 11:45	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		100	5 mL	5 mL	336665	06/28/14 00:00	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		2000	5 mL	5 mL	336665	06/28/14 00:29	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 21:57	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	5 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		500	2 mL	2 mL	336650	06/27/14 13:27	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102616-1

Client Sample ID: SMSMW07B

Lab Sample ID: 680-102616-14

Date Collected: 06/23/14 12:45

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 07:20	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSMW11B

Lab Sample ID: 680-102616-15

Date Collected: 06/23/14 15:05

Matrix: Water

Date Received: 06/24/14 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	336028	06/24/14 21:36	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		10	5 mL	5 mL	336172	06/25/14 12:16	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		25	5 mL	5 mL	336665	06/28/14 01:27	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		100	5 mL	5 mL	336665	06/28/14 01:41	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			337853	07/03/14 20:55	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	10 mL	100 mL	336387	06/26/14 11:19	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		100	2 mL	2 mL	337084	06/30/14 18:58	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	336062	06/24/14 13:48	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	336433	06/26/14 14:27	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25	337842	07/04/14 07:35	CMP	TAL SAV
	Instrument ID: TOC3									
Total/NA	Analysis	7196A		1	2 mL	2 mL	336063	06/24/14 12:20	GRX	TAL SAV
	Instrument ID: KONELAB2									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 85279

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	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: JANICE AUSTIN	CLIENT PHONE: 404-443-2777	CLIENT FAX
CLIENT NAME: J. M. WALLER ASSOC. INC.	CLIENT E-MAIL: janice.austin@jmwaller.com	
CLIENT ADDRESS: 100 HARTSFIELD CENTRE PKWY SUITE 610 ATLANTA, GA 30354		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ◯
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	300 ORGFM 28D (Cl-/SO4/F/Br/NO2/NO3) None	350.1 Ammonia H2SO4	2320B Alkalinity None	2540C TDS None	SM4500-S2-F Sulfide ZnAc NaOH	SM5310 TOC H2SO4	365.1 Ortho-Phosphate None	7196A CR 6 None	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/22/14	1415	SMS SW13	G	X				1	1	1	1	2	3	1			
6/22/14	1455	SMS SW09	G	X				1	1	1	1	2	3	1			
6/22/14	1600	SMS SW14	G	X				1	1	1	1	2	3	1			
6/22/14	1645	SMS SW09 SPRING	G	X				1	1	1	1	2	3	1			
6/22/14	1513	SMS SW01	G	X				1	1	1	1	2	3	1			
6/22/14	1545	SMS SW11	G	X				1	1	1	1	2	3	1			
6/23/14	0907	SMS SW08 SPRING	G	X				1	1	1	1	2	3	1			
6/23/14	0922	SMS SW08	G	X				1	1	1	1	2	3	1			
6/23/14	1000	SMS SW04	G	X				1	1	1	1	2	3	1			
6/23/14	1010	SMS SW94	G	X				1	1	1	1	2	3	1			
6/23/14	1030	SMS MW07A	G	X				1	1	1	1	2	3	1			
6/23/14	1330	SMS MW12A	G	X				1	1	1	1	2	3	1	1		

PRESERVATIVE

680-102616 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	6/23/14	1550						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	06-23-14	1550						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	6/24/14	09:37	YES ◯ NO ◯		680-102616	3.2 °C, 0.8 °C, 1.2 °C, 3.4 °C

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7/8/2014

Serial Number 85278

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	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Janice Austin	CLIENT PHONE: 404-443-2777	CLIENT FAX
CLIENT NAME: J.M. Waller Assoc. Inc.	CLIENT E-MAIL: Janice.austin@jmwaller.com	
CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Suite 610 Atlanta, GA 30354		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

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	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 300.0 NO3/SO4 28D Cl/Sulfate/Fl/SO4/NO2 28 NO2/NO3	350.1 Ammonia	2320 B Alkalinity	2540 C TDS	SM4 4500.S2.F Sulfide	SM 5310 B TOC	365.1 Ortho Phosphate	7196 A CrVI	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								None	H_2SO_4	None	None	ZnAc NaOH	H_2SO_4	None	None		
6/23/14	1340	~~SMSMW12A~~ AJC SMSMW12B	G	X				1	1	1	1	2	3	1	1		
6/23/14	1245	SMSMW07B	G	X				1	1	1	1	2	3	1			
6/23/14	15	SMSMW11B	G	X				1	1	1	1	2	3	1	1		

6/23/14

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Linda Nyland	6/23/14	1550						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
Dan Roy	06-23-14	1550						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	6/24/14	09:37	YES ◯ NO ◯		680-102616	3.2 a.c, 0.8 a.c 1.2 a.c, 3.4 a.c

TAL8240-680 (1008)

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Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 680-102616-1

Login Number: 102616

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

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: 680-102616-1

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