ANALYTICAL REPORT

Job Number: 500-28652-1

Job Description: Vulcan Louisville Fansteel

For:
Oneida Total Integrated Enterprises LLC
100 West Monroe
Suite 300
Chicago, IL 60603

Attention: Mr. Raghu Nagam

Approved for release.
Marilyn G Krueding
Project Manager II
11/10/2010 11:25 AM

Marilyn G Krueding
Project Manager II
marilyn.krueding@testamericainc.com
11/10/2010
Revision: 1

cc: Mr. Naren Babu
Mr. Ronald Bugg

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID#:
TestAmerica Chicago 100201
TestAmerica Burlington VT00008

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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Job Narrative
500-28652-1

Comments
This is a revised report. The report has been revised to include estimated values and method detection limits for the RSK-175 analyses.

Receipt
The COC indicates that the RSK-175 analyses were being submitted for Methane only. The client had previously requested all future samples should be analyzed for Ethane and also Ethene. The client was contacted to confirm that all three gases were required. The samples were logged in for all three gases.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: OLD-MW-4 (500-28652-6), OLD-MW-4 MS (500-28652-6 MS), OLD-MW-4 MSD (500-28652-6 MSD), OLD-MW-9 (500-28652-9), VLF-MW-2 (500-28652-2), VLF-MW-2 DUP (500-28652-5), VLF-MW-6 (500-28652-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (500-28652-6MS/MSD) could not be evaluated for accuracy and precision for Trichloroethene due to high concentration in the sample. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 300.0: The nitrate laboratory control sample (LCS) and continuing calibration verification (CCV) for 97802 recovered above the upper control limit. The analysis could not be repeated due to hold times having expired; therefore, the data have been reported.

Method(s) 300.0: The following samples were diluted due to the abundance of non-target analytes: OLD-MW-4 (500-28652-6), OLD-MW-9 (500-28652-9), VLF-MW-1 (500-28652-1), VLF-MW-2 (500-28652-2), VLF-MW-3 (500-28652-3), VLF-MW-4 (500-28652-4), VLF-MW-6 (500-28652-11), VLF-MW-7 (500-28652-8). Elevated reporting limits (RLs) are provided for ntirite.

Method(s) 300.0: The compounds on the ion chromatograph eluted outside the retention time window for the following CCV samples: CCV 500-978021/37 and CCV 500-98736/46. This retention time shift was taken into account when reviewing the associated samples for target compounds.

Method(s) 300.0: Manual integration was performed on the following ion chromatography CCV and CCB samples due to baseline interferences: CCB 500-98736/35 and CCV 500-98736/10.

Method(s) 300.0: The nitrate matrix spike duplicate (MSD) recovery for sample 500-28652-8 in batch 97802 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Instrument ID: 2866.i Analysis Batch Number: 4162

Lab Sample ID: IC 200-4162/1 Client Sample ID:

Date Analyzed: 05/10/10 16:10 Lab File ID: 10may101557-r011.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.58	Baseline event	pd	05/10/10 16:40
Ethylene	0.92	Baseline event	pd	05/10/10 16:40

RSK-175

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Instrument ID: 2866.i Analysis Batch Number: 8248

Lab Sample ID: CCV 200-8248/1 Client Sample ID:

Date Analyzed: 10/21/10 14:10 Lab File ID: 21oct101353-r011.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.55	Peak not found by the data system	pd	10/21/10 14:48

Lab Sample ID: LCS 200-8248/2 Client Sample ID:

Date Analyzed: 10/21/10 14:42 Lab File ID: 21oct101429-r011.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.55	Peak not found by the data system	pd	10/21/10 14:50

Lab Sample ID: 500-28652-2 Client Sample ID: VLF-MW-2

Date Analyzed: 10/21/10 16:14 Lab File ID: 21oct101528-r071.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.56	Baseline event	pd	10/22/10 08:26

Lab Sample ID: 500-28652-3 Client Sample ID: VLF-MW-3

Date Analyzed: 10/21/10 16:19 Lab File ID: 21oct101528-r081.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.57	Baseline event	pd	10/22/10 08:26

Lab Sample ID: 500-28652-8 Client Sample ID: VLF-MW-7

Date Analyzed: 10/21/10 16:24 Lab File ID: 21oct101528-r091.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.56	Baseline event	pd	10/22/10 08:27

RSK-175

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Instrument ID: 2866.i Analysis Batch Number: 8248

Lab Sample ID: 500-28652-11 Client Sample ID: VLF-MW-6

Date Analyzed: 10/21/10 16:30 Lab File ID: 21oct101528-r101.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.55	Peak not found by the data system	pd	10/22/10 08:28

Lab Sample ID: CCVC 200-8248/15 Client Sample ID:

Date Analyzed: 10/22/10 09:52 Lab File ID: 22oct100935-r011.d GC Column: RT-U-Plot ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.56	Baseline event	pd	10/22/10 10:02

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-28652-1	VLF-MW-1	Water	10/19/2010 1000	10/19/2010 1350
500-28652-2	VLF-MW-2	Water	10/18/2010 1545	10/19/2010 1350
500-28652-3	VLF-MW-3	Water	10/18/2010 1415	10/19/2010 1350
500-28652-4	VLF-MW-4	Water	10/18/2010 1810	10/19/2010 1350
500-28652-5	VLF-MW-2 DUP	Water	10/18/2010 1545	10/19/2010 1350
500-28652-6	OLD-MW-4	Water	10/18/2010 1800	10/19/2010 1350
500-28652-6MS	OLD-MW-4 MS	Water	10/18/2010 1800	10/19/2010 1350
500-28652-6MSD	OLD-MW-4 MSD	Water	10/18/2010 1800	10/19/2010 1350
500-28652-7	TRIP BLANK	Water	10/18/2010 1415	10/19/2010 1350
500-28652-8	VLF-MW-7	Water	10/19/2010 1300	10/19/2010 1350
500-28652-9	OLD-MW-9	Water	10/19/2010 1500	10/20/2010 1010
500-28652-10	VLF-MW-5	Water	10/19/2010 1420	10/20/2010 1010
500-28652-11	VLF-MW-6	Water	10/19/2010 1330	10/20/2010 1010
500-28652-12	TRIP BLANK-2	Water	10/19/2010 1330	10/20/2010 1010

EXECUTIVE SUMMARY - Detections

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-28652-1	**VLF-MW-1**					
Trichloroethene		0.40	J	1.0	ug/L	8260B
Arsenic		0.0037	J	0.010	mg/L	6010B
Barium		0.063		0.010	mg/L	6010B
Cadmium		0.00027	J	0.0020	mg/L	6010B
Lead		0.0032	J B	0.0050	mg/L	6010B
Selenium		0.0028	J	0.010	mg/L	6010B
Chloride		450		20	mg/L	300.0
Sulfate		570		20	mg/L	300.0
Alkalinity		78		5.0	mg/L	SM 2320B
TOC Result 1		5.7		1.0	mg/L	SM 5310C
TOC Result 2		5.8		1.0	mg/L	SM 5310C
TOC Dup		5.7		1.0	mg/L	SM 5310C
500-28652-2	**VLF-MW-2**					
trans-1,2-Dichloroethene		41		20	ug/L	8260B
cis-1,2-Dichloroethene		1800		20	ug/L	8260B
Trichloroethene		6000		200	ug/L	8260B
Tetrachloroethene		27		20	ug/L	8260B
Toluene		7.7	J	20	ug/L	8260B
Vinyl chloride		99		20	ug/L	8260B
Methane		15		2.0	ug/L	RSK-175
Arsenic		0.0047	J	0.010	mg/L	6010B
Barium		0.051		0.010	mg/L	6010B
Chromium		0.0034	J	0.010	mg/L	6010B
Lead		0.030	B	0.0050	mg/L	6010B
Selenium		0.055		0.010	mg/L	6010B
Mercury		0.056	J	0.20	ug/L	7470A
Chloride		230		20	mg/L	300.0
Sulfate		150		4.0	mg/L	300.0
Alkalinity		220		5.0	mg/L	SM 2320B
500-28652-3	**VLF-MW-3**					
trans-1,2-Dichloroethene		12		1.0	ug/L	8260B
cis-1,2-Dichloroethene		180		5.0	ug/L	8260B
Trichloroethene		230		5.0	ug/L	8260B
Tetrachloroethene		0.86	J	1.0	ug/L	8260B
Vinyl chloride		16		1.0	ug/L	8260B
Methane		12		2.0	ug/L	RSK-175
Barium		0.067		0.010	mg/L	6010B
Lead		0.0021	J B	0.0050	mg/L	6010B
Chloride		85		5.0	mg/L	300.0
Sulfate		190		4.0	mg/L	300.0
Alkalinity		230		5.0	mg/L	SM 2320B

EXECUTIVE SUMMARY - Detections

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-28652-4	**VLF-MW-4**					
trans-1,2-Dichloroethene		1.3		1.0	ug/L	8260B
cis-1,2-Dichloroethene		42		1.0	ug/L	8260B
Trichloroethene		18		1.0	ug/L	8260B
Toluene		0.33	J	1.0	ug/L	8260B
Vinyl chloride		14		1.0	ug/L	8260B
Xylenes, Total		0.55	J	2.0	ug/L	8260B
Arsenic		0.0088	J	0.010	mg/L	6010B
Barium		0.039		0.010	mg/L	6010B
Chromium		0.0018	J	0.010	mg/L	6010B
Selenium		0.019		0.010	mg/L	6010B
Mercury		0.52		0.20	ug/L	7470A
Chloride		140		10	mg/L	300.0
Sulfate		310		10	mg/L	300.0
Alkalinity		140		5.0	mg/L	SM 2320B
TOC Result 1		47		2.0	mg/L	SM 5310C
TOC Result 2		47		2.0	mg/L	SM 5310C
TOC Dup		47		2.0	mg/L	SM 5310C
500-28652-5	**VLF-MW-2 DUP**					
trans-1,2-Dichloroethene		36		20	ug/L	8260B
cis-1,2-Dichloroethene		1700		20	ug/L	8260B
Trichloroethene		5500		200	ug/L	8260B
Tetrachloroethene		23		20	ug/L	8260B
Toluene		6.6	J	20	ug/L	8260B
Vinyl chloride		88		20	ug/L	8260B
Arsenic		0.0053	J	0.010	mg/L	6010B
Barium		0.051		0.010	mg/L	6010B
Chromium		0.0036	J	0.010	mg/L	6010B
Lead		0.030	B	0.0050	mg/L	6010B
Selenium		0.053		0.010	mg/L	6010B
Mercury		0.11	J	0.20	ug/L	7470A

EXECUTIVE SUMMARY - Detections

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-28652-6	**OLD-MW-4**					
trans-1,2-Dichloroethene		32		20	ug/L	8260B
cis-1,2-Dichloroethene		680		20	ug/L	8260B
Trichloroethene		4800		200	ug/L	8260B
Vinyl chloride		36		20	ug/L	8260B
Barium		0.084		0.010	mg/L	6010B
Chloride		53		5.0	mg/L	300.0
Sulfate		120		4.0	mg/L	300.0
Alkalinity		340		5.0	mg/L	SM 2320B
TOC Result 1		4.0		1.0	mg/L	SM 5310C
TOC Result 2		3.6		1.0	mg/L	SM 5310C
TOC Dup		3.8		1.0	mg/L	SM 5310C
500-28652-8	**VLF-MW-7**					
cis-1,2-Dichloroethene		1.9		1.0	ug/L	8260B
Trichloroethene		0.64	J	1.0	ug/L	8260B
Vinyl chloride		0.29	J	1.0	ug/L	8260B
Methane		1.9	J	2.0	ug/L	RSK-175
Barium		0.19		0.010	mg/L	6010B
Chloride		53		2.0	mg/L	300.0
Sulfate		470		20	mg/L	300.0
Alkalinity		380		5.0	mg/L	SM 2320B
TOC Result 1		4.4		1.0	mg/L	SM 5310C
TOC Result 2		4.0		1.0	mg/L	SM 5310C
TOC Dup		4.2		1.0	mg/L	SM 5310C
500-28652-9	**OLD-MW-9**					
cis-1,2-Dichloroethene		78		2.0	ug/L	8260B
Trichloroethene		750		20	ug/L	8260B
Vinyl chloride		0.41	J	2.0	ug/L	8260B
Chloride		54		2.0	mg/L	300.0
Sulfate		100		4.0	mg/L	300.0
Alkalinity		440		5.0	mg/L	SM 2320B
TOC Result 1		2.2		1.0	mg/L	SM 5310C
TOC Result 2		1.5		1.0	mg/L	SM 5310C
TOC Dup		1.8		1.0	mg/L	SM 5310C

EXECUTIVE SUMMARY - Detections

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-28652-10	**VLF-MW-5**					
cis-1,2-Dichloroethene		0.59	J	1.0	ug/L	8260B
Barium		0.10		0.010	mg/L	6010B
Lead		0.0022	J B	0.0050	mg/L	6010B
Chloride		5.0		0.20	mg/L	300.0
Nitrate as N		0.12	B * ^	0.10	mg/L	300.0
Sulfate		44		4.0	mg/L	300.0
Alkalinity		400		5.0	mg/L	SM 2320B
TOC Result 1		2.3		1.0	mg/L	SM 5310C
TOC Result 2		1.9		1.0	mg/L	SM 5310C
TOC Dup		2.1		1.0	mg/L	SM 5310C
500-28652-11	**VLF-MW-6**					
trans-1,2-Dichloroethene		200		50	ug/L	8260B
cis-1,2-Dichloroethene		12000		500	ug/L	8260B
Trichloroethene		20	J	50	ug/L	8260B
Vinyl chloride		4700		50	ug/L	8260B
Methane		60		2.0	ug/L	RSK-175
Ethylene		14		3.0	ug/L	RSK-175
Barium		0.11		0.010	mg/L	6010B
Chloride		51		2.0	mg/L	300.0
Sulfate		8.8		4.0	mg/L	300.0
Alkalinity		370		5.0	mg/L	SM 2320B
TOC Result 1		2.9		1.0	mg/L	SM 5310C
TOC Result 2		2.8		1.0	mg/L	SM 5310C
TOC Dup		2.8		1.0	mg/L	SM 5310C

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC | Job Number: 500-28652-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B
Dissolved Gases (GC)	TAL BUR	RSK RSK-175	
Metals (ICP)	TAL CHI	SW846 6010B	
Preparation, Total Metals	TAL CHI		SW846 3010A
Mercury (CVAA)	TAL CHI	SW846 7470A	
Preparation, Mercury	TAL CHI		SW846 7470A
Anions, Ion Chromatography	TAL CHI	MCAWW 300.0	
Alkalinity	TAL CHI	SM SM 2320B	
TOC	TAL CHI	SM SM 5310C	

Lab References:

TAL BUR = TestAmerica Burlington

TAL CHI = TestAmerica Chicago

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method	Analyst	Analyst ID
SW846 8260B	Alikpala, Elaine	EA
RSK RSK-175	Daigle, Paul A	PAD
SW846 6010B	Smith, Todd D	TDS
SW846 7470A	Roach, Jessica	JR
MCAWW 300.0	Ficarello, Peter M	PMF
SM SM 2320B	Moore, Colleen L	CLM
SM SM 5310C	Deb, Khona	KD

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-1**

Lab Sample ID: 500-28652-1
Client Matrix: Water

Date Sampled: 10/19/2010 1000
Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/28/2010 1630
Date Prepared: 10/28/2010 1630

Analysis Batch: 500-98381

Instrument ID: MS22
Lab File ID: 28652-01.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.27	U	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.40	J	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 129
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 115
Dibromofluoromethane	99		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2**

Lab Sample ID: 500-28652-2

Client Matrix: Water

Date Sampled: 10/18/2010 1545

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381	Instrument ID:	MS22
Preparation:	5030B		Lab File ID:	28652-02.D
Dilution:	20		Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1653		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1653			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	3.4	U	3.4	20
trans-1,2-Dichloroethene	41		6.4	20
cis-1,2-Dichloroethene	1800		5.4	20
Ethylbenzene	3.6	U	3.6	20
Tetrachloroethene	27		4.4	20
Toluene	7.7	J	3.8	20
Vinyl chloride	99		4.0	20
Xylenes, Total	6.4	U	6.4	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 129
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	92		80 - 115
Dibromofluoromethane	97		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2**

Lab Sample ID: 500-28652-2
Client Matrix: Water

Date Sampled: 10/18/2010 1545
Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-02A.D
Dilution:	200			Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1716	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1716				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	6000		48	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 129
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 115
Dibromofluoromethane	96		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-3**

Lab Sample ID: 500-28652-3

Client Matrix: Water

Date Sampled: 10/18/2010 1415

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 10/28/2010 1739

Date Prepared: 10/28/2010 1739

Analysis Batch: 500-98381

Instrument ID: MS22

Lab File ID: 28652-03.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	12		0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Tetrachloroethene	0.86	J	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	16		0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 129
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	92		80 - 115
Dibromofluoromethane	99		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-3**

Lab Sample ID: 500-28652-3

Client Matrix: Water

Date Sampled: 10/18/2010 1415

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98526		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-03A.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/29/2010 1456	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/29/2010 1456				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	180		1.4	5.0
Trichloroethene	230		1.2	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 129
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 115
Dibromofluoromethane	101		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-4**

Lab Sample ID: 500-28652-4

Client Matrix: Water

Date Sampled: 10/18/2010 1810

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381	Instrument ID:	MS22
Preparation:	5030B		Lab File ID:	28652-04.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1802		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1802			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	1.3		0.32	1.0
cis-1,2-Dichloroethene	42		0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	18		0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.33	J	0.19	1.0
Vinyl chloride	14		0.20	1.0
Xylenes, Total	0.55	J	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 129
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 115
Dibromofluoromethane	101		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2 DUP**

Lab Sample ID: 500-28652-5

Client Matrix: Water

Date Sampled: 10/18/2010 1545

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381	Instrument ID:	MS22
Preparation:	5030B		Lab File ID:	28652-05.D
Dilution:	20		Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1825		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1825			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	3.4	U	3.4	20
trans-1,2-Dichloroethene	36		6.4	20
cis-1,2-Dichloroethene	1700		5.4	20
Ethylbenzene	3.6	U	3.6	20
Tetrachloroethene	23		4.4	20
Toluene	6.6	J	3.8	20
Vinyl chloride	88		4.0	20
Xylenes, Total	6.4	U	6.4	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 129
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 115
Dibromofluoromethane	98		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2 DUP**

Lab Sample ID: 500-28652-5

Client Matrix: Water

Date Sampled: 10/18/2010 1545

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-05A.D
Dilution:	200			Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1848	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1848				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	5500		48	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 129
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	89		80 - 115
Dibromofluoromethane	94		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **OLD-MW-4**

Lab Sample ID: 500-28652-6
Client Matrix: Water

Date Sampled: 10/18/2010 1800
Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 10/28/2010 1912
Date Prepared: 10/28/2010 1912

Analysis Batch: 500-98381

Instrument ID: MS22
Lab File ID: 28652-06.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	3.4	U	3.4	20
trans-1,2-Dichloroethene	32		6.4	20
cis-1,2-Dichloroethene	680		5.4	20
Ethylbenzene	3.6	U	3.6	20
Tetrachloroethene	4.4	U	4.4	20
Toluene	3.8	U	3.8	20
Vinyl chloride	36		4.0	20
Xylenes, Total	6.4	U	6.4	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 129
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 115
Dibromofluoromethane	100		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **OLD-MW-4**

Lab Sample ID: 500-28652-6
Client Matrix: Water

Date Sampled: 10/18/2010 1800
Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-06A.D
Dilution:	200			Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 1935	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 1935				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	4800		48	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 129
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	88		80 - 115
Dibromofluoromethane	95		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 500-28652-7

Client Matrix: Water

Date Sampled: 10/18/2010 1415

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381	Instrument ID:	MS22
Preparation:	5030B		Lab File ID:	28652-07.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 2044		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 2044			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.27	U	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.24	U	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 129
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 115
Dibromofluoromethane	98		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-7**

Lab Sample ID: 500-28652-8

Client Matrix: Water

Date Sampled: 10/19/2010 1300

Date Received: 10/19/2010 1350

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 10/28/2010 2107

Date Prepared: 10/28/2010 2107

Analysis Batch: 500-98381

Instrument ID: MS22

Lab File ID: 28652-08.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	1.9		0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.64	J	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.29	J	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 129
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 115
Dibromofluoromethane	101		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **OLD-MW-9**

Lab Sample ID: 500-28652-9
Client Matrix: Water

Date Sampled: 10/19/2010 1500
Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 10/28/2010 2130
Date Prepared: 10/28/2010 2130

Analysis Batch: 500-98381

Instrument ID: MS22
Lab File ID: 28652-09.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.34	U	0.34	2.0
trans-1,2-Dichloroethene	0.64	U	0.64	2.0
cis-1,2-Dichloroethene	78		0.54	2.0
Ethylbenzene	0.36	U	0.36	2.0
Tetrachloroethene	0.44	U	0.44	2.0
Toluene	0.38	U	0.38	2.0
Vinyl chloride	0.41	J	0.40	2.0
Xylenes, Total	0.64	U	0.64	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 129
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 115
Dibromofluoromethane	102		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **OLD-MW-9**

Lab Sample ID: 500-28652-9
Client Matrix: Water

Date Sampled: 10/19/2010 1500
Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-09A.D
Dilution:	20			Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 2153	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 2153				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	750		4.8	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		80 - 129
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 115
Dibromofluoromethane	101		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-5**

Lab Sample ID: 500-28652-10

Client Matrix: Water

Date Sampled: 10/19/2010 1420

Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 10/28/2010 2216

Date Prepared: 10/28/2010 2216

Analysis Batch: 500-98381

Instrument ID: MS22

Lab File ID: 28652-10.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.59	J	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.24	U	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		80 - 129
Toluene-d8 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 115
Dibromofluoromethane	105		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-6**

Lab Sample ID: 500-28652-11
Client Matrix: Water

Date Sampled: 10/19/2010 1330
Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 10/28/2010 2239
Date Prepared: 10/28/2010 2239

Analysis Batch: 500-98381

Instrument ID: MS22
Lab File ID: 28652-11.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	8.5	U	8.5	50
trans-1,2-Dichloroethene	200		16	50
Ethylbenzene	9.0	U	9.0	50
Trichloroethene	20	J	12	50
Tetrachloroethene	11	U	11	50
Toluene	9.5	U	9.5	50
Vinyl chloride	4700		10	50
Xylenes, Total	16	U	16	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 129
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 115
Dibromofluoromethane	103		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-6**

Lab Sample ID: 500-28652-11
Client Matrix: Water

Date Sampled: 10/19/2010 1330
Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 500-98381		Instrument ID:	MS22
Preparation:	5030B			Lab File ID:	28652-11A.D
Dilution:	500			Initial Weight/Volume:	10 mL
Date Analyzed:	10/28/2010 2302	Run Type: DL		Final Weight/Volume:	10 mL
Date Prepared:	10/28/2010 2302				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	12000		140	500

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 129
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	90		80 - 115
Dibromofluoromethane	100		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **TRIP BLANK-2**

Lab Sample ID: 500-28652-12
Client Matrix: Water

Date Sampled: 10/19/2010 1330
Date Received: 10/20/2010 1010

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/29/2010 1433
Date Prepared: 10/29/2010 1433

Analysis Batch: 500-98526

Instrument ID: MS22
Lab File ID: 28652-12A.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.27	U	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.24	U	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 129
Toluene-d8 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 115
Dibromofluoromethane	100		80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2**

Lab Sample ID: 500-28652-2

Client Matrix: Water

Date Sampled: 10/18/2010 1545

Date Received: 10/19/2010 1350

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 200-8248	Instrument ID:	2866.i
Preparation:	N/A		Initial Weight/Volume:	18 mL
Dilution:	1.0		Final Weight/Volume:	18 mL
Date Analyzed:	10/21/2010 1614		Injection Volume:	100 uL
Date Prepared:			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	15		1.0	2.0
Ethane	2.0	U	2.0	4.0
Ethylene	1.5	U	1.5	3.0

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-3**

Lab Sample ID: 500-28652-3

Client Matrix: Water

Date Sampled: 10/18/2010 1415

Date Received: 10/19/2010 1350

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 200-8248	Instrument ID:	2866.i
Preparation:	N/A		Initial Weight/Volume:	18 mL
Dilution:	1.0		Final Weight/Volume:	18 mL
Date Analyzed:	10/21/2010 1619		Injection Volume:	100 uL
Date Prepared:			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	12		1.0	2.0
Ethane	2.0	U	2.0	4.0
Ethylene	1.5	U	1.5	3.0

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-7**

Lab Sample ID: 500-28652-8

Client Matrix: Water

Date Sampled: 10/19/2010 1300

Date Received: 10/19/2010 1350

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 200-8248	Instrument ID:	2866.i
Preparation:	N/A		Initial Weight/Volume:	18 mL
Dilution:	1.0		Final Weight/Volume:	18 mL
Date Analyzed:	10/21/2010 1624		Injection Volume:	100 uL
Date Prepared:			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	1.9	J	1.0	2.0
Ethane	2.0	U	2.0	4.0
Ethylene	1.5	U	1.5	3.0

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-6**

Lab Sample ID: 500-28652-11

Client Matrix: Water

Date Sampled: 10/19/2010 1330

Date Received: 10/20/2010 1010

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 200-8248	Instrument ID:	2866.i
Preparation:	N/A		Initial Weight/Volume:	18 mL
Dilution:	1.0		Final Weight/Volume:	18 mL
Date Analyzed:	10/21/2010 1630		Injection Volume:	100 uL
Date Prepared:			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	60		1.0	2.0
Ethane	2.0	U	2.0	4.0
Ethylene	14		1.5	3.0

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-1**

Lab Sample ID: 500-28652-1
Client Matrix: Water

Date Sampled: 10/19/2010 1000
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 0956			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0037	J	0.0017	0.010
Barium	0.063		0.00090	0.010
Cadmium	0.00027	J	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0032	J B	0.0017	0.0050
Selenium	0.0028	J	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1256			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2**

Lab Sample ID: 500-28652-2
Client Matrix: Water

Date Sampled: 10/18/2010 1545
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1002			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0047	J	0.0017	0.010
Barium	0.051		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0034	J	0.0014	0.010
Lead	0.030	B	0.0017	0.0050
Selenium	0.055		0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1258			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.056	J	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-3**

Lab Sample ID: 500-28652-3
Client Matrix: Water

Date Sampled: 10/18/2010 1415
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1008			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.067		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0021	J B	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1302			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-4**

Lab Sample ID: 500-28652-4
Client Matrix: Water

Date Sampled: 10/18/2010 1810
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1015			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0088	J	0.0017	0.010
Barium	0.039		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0018	J	0.0014	0.010
Lead	0.0017	U	0.0017	0.0050
Selenium	0.019		0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1305			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.52		0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-2 DUP**

Lab Sample ID: 500-28652-5
Client Matrix: Water

Date Sampled: 10/18/2010 1545
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/28/2010 1021
Date Prepared: 10/27/2010 0800

Analysis Batch: 500-98367
Prep Batch: 500-98197

Instrument ID: ICP5
Lab File ID: P51028A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0053	J	0.0017	0.010
Barium	0.051		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0036	J	0.0014	0.010
Lead	0.030	B	0.0017	0.0050
Selenium	0.053		0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 10/26/2010 1307
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.11	J	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **OLD-MW-4**

Lab Sample ID: 500-28652-6
Client Matrix: Water

Date Sampled: 10/18/2010 1800
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1027			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.084		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0017	U	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1316			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-7**

Lab Sample ID: 500-28652-8
Client Matrix: Water

Date Sampled: 10/19/2010 1300
Date Received: 10/19/2010 1350

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1113			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.19		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0017	U	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1326			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-5**

Lab Sample ID: 500-28652-10
Client Matrix: Water

Date Sampled: 10/19/2010 1420
Date Received: 10/20/2010 1010

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1119			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.10		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0022	J B	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1329			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Client Sample ID: **VLF-MW-6**

Lab Sample ID: 500-28652-11
Client Matrix: Water

Date Sampled: 10/19/2010 1330
Date Received: 10/20/2010 1010

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 500-98367		Instrument ID:	ICP5
Preparation:	3010A	Prep Batch: 500-98197		Lab File ID:	P51028A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/28/2010 1125			Final Weight/Volume:	50 mL
Date Prepared:	10/27/2010 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.11		0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.0017	U	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 500-98134		Instrument ID:	HG5
Preparation:	7470A	Prep Batch: 500-98043		Lab File ID:	102610R.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/26/2010 1332			Final Weight/Volume:	25 mL
Date Prepared:	10/26/2010 0715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.051	U	0.051	0.20

General Chemistry

Client Sample ID: VLF-MW-1

Lab Sample ID: 500-28652-1 Date Sampled: 10/19/2010 1000
Client Matrix: Water Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	450		mg/L	3.0	20	100	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1012						
Nitrate as N	0.013	U *	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1345						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1400						
Sulfate	570		mg/L	5.3	20	100	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1012						
Alkalinity	78		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1706						
TOC Result 1	5.7		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1915						
TOC Result 2	5.8		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1915						
TOC Dup	5.7		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1915						

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

General Chemistry

Client Sample ID: **VLF-MW-2**

Lab Sample ID: 500-28652-2

Client Matrix: Water

Date Sampled: 10/18/2010 1545

Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	230		mg/L	3.0	20	100	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1027						
Nitrate as N	0.013	U *	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1219						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1234						
Sulfate	150		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1234						
Alkalinity	220		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1722						

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

General Chemistry

Client Sample ID: **VLF-MW-3**

Lab Sample ID: 500-28652-3

Client Matrix: Water

Date Sampled: 10/18/2010 1415

Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	85		mg/L	0.75	5.0	25	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1041						
Nitrate as N	0.013	U *	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1151						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1205						
Sulfate	190		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1205						
Alkalinity	230		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1742						

General Chemistry

Client Sample ID: **VLF-MW-4**

Lab Sample ID: 500-28652-4 Date Sampled: 10/18/2010 1810
Client Matrix: Water Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	140		mg/L	1.5	10	50	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1055						
Nitrate as N	0.013	U *	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1317						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1331						
Sulfate	310		mg/L	2.6	10	50	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1055						
Alkalinity	140		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1751						
TOC Result 1	47		mg/L	0.72	2.0	2.0	SM 5310C
Analysis Batch: 500-98371	Date Analyzed: 10/28/2010 1255						
TOC Result 2	47		mg/L	0.72	2.0	2.0	SM 5310C
Analysis Batch: 500-98371	Date Analyzed: 10/28/2010 1255						
TOC Dup	47		mg/L	0.72	2.0	2.0	SM 5310C
Analysis Batch: 500-98371	Date Analyzed: 10/28/2010 1255						

General Chemistry

Client Sample ID: OLD-MW-4

Lab Sample ID: 500-28652-6 Date Sampled: 10/18/2010 1800
Client Matrix: Water Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	53		mg/L	0.75	5.0	25	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1110						
Nitrate as N	0.013	U *	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1248						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1302						
Sulfate	120		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1302						
Alkalinity	340		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1759						
TOC Result 1	4.0		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1947						
TOC Result 2	3.6		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1947						
TOC Dup	3.8		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 1947						

General Chemistry

Client Sample ID: **VLF-MW-7**

Lab Sample ID: 500-28652-8 Date Sampled: 10/19/2010 1300
Client Matrix: Water Date Received: 10/19/2010 1350

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	53		mg/L	0.30	2.0	10	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1124						
Nitrate as N	0.013	U * ^	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1444						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1458						
Sulfate	470		mg/L	5.3	20	100	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1138						
Alkalinity	380		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1807						
TOC Result 1	4.4		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2004						
TOC Result 2	4.0		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2004						
TOC Dup	4.2		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2004						

General Chemistry

Client Sample ID: OLD-MW-9

Lab Sample ID: 500-28652-9 Date Sampled: 10/19/2010 1500
Client Matrix: Water Date Received: 10/20/2010 1010

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	54		mg/L	0.30	2.0	10	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1153						
Nitrate as N	0.013	U * ^	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1630						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1644						
Sulfate	100		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1644						
Alkalinity	440		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1815						
TOC Result 1	2.2		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2020						
TOC Result 2	1.5		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2020						
TOC Dup	1.8		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/27/2010 2020						

General Chemistry

Client Sample ID: **VLF-MW-5**

Lab Sample ID: 500-28652-10 Date Sampled: 10/19/2010 1420
Client Matrix: Water Date Received: 10/20/2010 1010

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	5.0		mg/L	0.030	0.20	1.0	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1207						
Nitrate as N	0.12	B * ^	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1727						
Nitrite as N	0.028	U	mg/L	0.028	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1727						
Sulfate	44		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1742						
Alkalinity	400		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1823						
TOC Result 1	2.3		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/28/2010 0731						
TOC Result 2	1.9		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/28/2010 0731						
TOC Dup	2.1		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-98316	Date Analyzed: 10/28/2010 0731						

General Chemistry

Client Sample ID: **VLF-MW-6**

Lab Sample ID: 500-28652-11 Date Sampled: 10/19/2010 1330
Client Matrix: Water Date Received: 10/20/2010 1010

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	51		mg/L	0.30	2.0	10	300.0
Analysis Batch: 500-98736	Date Analyzed: 11/01/2010 1221						
Nitrate as N	0.013	U * ^	mg/L	0.013	0.10	1.0	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1756						
Nitrite as N	0.56	U	mg/L	0.56	2.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1810						
Sulfate	8.8		mg/L	1.1	4.0	20	300.0
Analysis Batch: 500-97802	Date Analyzed: 10/20/2010 1810						
Alkalinity	370		mg/L	1.3	5.0	1.0	SM 2320B
Analysis Batch: 500-98038	Date Analyzed: 10/21/2010 1831						
TOC Result 1	2.9		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-99008	Date Analyzed: 11/03/2010 1113						
TOC Result 2	2.8		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-99008	Date Analyzed: 11/03/2010 1113						
TOC Dup	2.8		mg/L	0.36	1.0	1.0	SM 5310C
Analysis Batch: 500-99008	Date Analyzed: 11/03/2010 1113						

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
500-28652-1	VLF-MW-1	99	104	99	95
500-28652-2	VLF-MW-2	97	101	96	92
500-28652-2 DL	VLF-MW-2 DL	96	102	96	93
500-28652-3	VLF-MW-3	99	103	97	92
500-28652-3 DL	VLF-MW-3 DL	101	105	106	101
500-28652-4	VLF-MW-4	101	107	102	99
500-28652-5	VLF-MW-2 DUP	98	105	97	93
500-28652-5 DL	VLF-MW-2 DUP DL	94	100	95	89
500-28652-6	OLD-MW-4	100	107	99	95
500-28652-6 DL	OLD-MW-4 DL	95	99	94	88
500-28652-7	TRIP BLANK	98	103	98	94
500-28652-8	VLF-MW-7	101	106	100	93
500-28652-9	OLD-MW-9	102	105	98	94
500-28652-9 DL	OLD-MW-9 DL	101	109	102	96
500-28652-10	VLF-MW-5	105	110	105	97
500-28652-11	VLF-MW-6	103	108	100	95
500-28652-11 DL	VLF-MW-6 DL	100	105	97	90
500-28652-12	TRIP BLANK-2	100	105	105	99
MB 500-98381/3		93	99	95	91
MB 500-98526/3		100	101	106	98
LCS 500-98381/4		101	100	99	96
LCS 500-98526/4		104	103	107	103
500-28652-6 MS	OLD-MW-4 MS	102	103	100	94
500-28652-6 MSD	OLD-MW-4 MSD	99	102	98	94

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	80-124
DCA = 1,2-Dichloroethane-d4 (Surr)	80-129
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-115

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98381

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-98381/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 1254
Date Prepared: 10/28/2010 1254

Analysis Batch: 500-98381
Prep Batch: N/A
Units: ug/L

Instrument ID: MS22
Lab File ID: 22M1028.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.27	U	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.24	U	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	80 - 129
Toluene-d8 (Surr)	95	80 - 120
4-Bromofluorobenzene (Surr)	91	80 - 115
Dibromofluoromethane	93	80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Lab Control Sample - Batch: 500-98381

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-98381/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 1317
Date Prepared: 10/28/2010 1317

Analysis Batch: 500-98381
Prep Batch: N/A
Units: ug/L

Instrument ID: MS22
Lab File ID: 22S1028.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	24.6	98	73 - 117	
trans-1,2-Dichloroethene	25.0	24.5	98	67 - 125	
cis-1,2-Dichloroethene	25.0	23.8	95	65 - 115	
Ethylbenzene	25.0	25.3	101	80 - 116	
Trichloroethene	25.0	25.4	102	77 - 118	
Tetrachloroethene	25.0	24.8	99	76 - 116	
Toluene	25.0	25.6	102	76 - 119	
Vinyl chloride	25.0	24.6	98	56 - 128	
Xylenes, Total	75.0	76.6	102	79 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	80 - 129
Toluene-d8 (Surr)	99	80 - 120
4-Bromofluorobenzene (Surr)	96	80 - 115
Dibromofluoromethane	101	80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98381

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/28/2010 1958
Date Prepared: 10/28/2010 1958

Analysis Batch: 500-98381
Prep Batch: N/A

Instrument ID: MS22
Lab File ID: 28652-06S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/28/2010 2021
Date Prepared: 10/28/2010 2021

Analysis Batch: 500-98381
Prep Batch: N/A

Instrument ID: MS22
Lab File ID: 28652-06T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	92	92	73 - 117	0	20		
trans-1,2-Dichloroethene	93	92	67 - 125	2	20		
cis-1,2-Dichloroethene	81	87	65 - 115	3	20		
Ethylbenzene	95	95	80 - 116	0	20		
Trichloroethene	58	133	77 - 118	7	20	E 4	E 4
Tetrachloroethene	95	95	76 - 116	0	20		
Toluene	97	97	76 - 119	1	20		
Vinyl chloride	90	89	56 - 128	0	20		
Xylenes, Total	96	96	79 - 120	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	102	80 - 129
Toluene-d8 (Surr)	100	98	80 - 120
4-Bromofluorobenzene (Surr)	94	94	80 - 115
Dibromofluoromethane	102	99	80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98381

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/28/2010 1958
Date Prepared: 10/28/2010 1958

Units: ug/L

MSD Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/28/2010 2021
Date Prepared: 10/28/2010 2021

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	3.4	U	500	500	461		461	
trans-1,2-Dichloroethene	32		500	500	498		490	
cis-1,2-Dichloroethene	680		500	500	1080		1110	
Ethylbenzene	3.6	U	500	500	473		473	
Trichloroethene	4700		500	500	4990	E 4	5370	E 4
Tetrachloroethene	4.4	U	500	500	477		474	
Toluene	3.8	U	500	500	484		487	
Vinyl chloride	36		500	500	484		484	
Xylenes, Total	6.4	U	1500	1500	1440		1440	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98526

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-98526/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2010 1347
Date Prepared: 10/29/2010 1347

Analysis Batch: 500-98526
Prep Batch: N/A
Units: ug/L

Instrument ID: MS22
Lab File ID: 22M1029.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.17	U	0.17	1.0
trans-1,2-Dichloroethene	0.32	U	0.32	1.0
cis-1,2-Dichloroethene	0.27	U	0.27	1.0
Ethylbenzene	0.18	U	0.18	1.0
Trichloroethene	0.24	U	0.24	1.0
Tetrachloroethene	0.22	U	0.22	1.0
Toluene	0.19	U	0.19	1.0
Vinyl chloride	0.20	U	0.20	1.0
Xylenes, Total	0.32	U	0.32	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	80 - 129
Toluene-d8 (Surr)	106	80 - 120
4-Bromofluorobenzene (Surr)	98	80 - 115
Dibromofluoromethane	100	80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Lab Control Sample - Batch: 500-98526

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-98526/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/29/2010 1410
Date Prepared: 10/29/2010 1410

Analysis Batch: 500-98526
Prep Batch: N/A
Units: ug/L

Instrument ID: MS22
Lab File ID: 22S1029.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	23.5	94	73 - 117	
trans-1,2-Dichloroethene	25.0	22.8	91	67 - 125	
cis-1,2-Dichloroethene	25.0	21.8	87	65 - 115	
Ethylbenzene	25.0	24.6	98	80 - 116	
Trichloroethene	25.0	24.9	100	77 - 118	
Tetrachloroethene	25.0	24.6	98	76 - 116	
Toluene	25.0	24.7	99	76 - 119	
Vinyl chloride	25.0	24.1	96	56 - 128	
Xylenes, Total	75.0	74.0	99	79 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	80 - 129
Toluene-d8 (Surr)	107	80 - 120
4-Bromofluorobenzene (Surr)	103	80 - 115
Dibromofluoromethane	104	80 - 124

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 200-8248

Method: RSK-175
Preparation: N/A

Lab Sample ID: MB 200-8248/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/21/2010 1446
Date Prepared: N/A

Analysis Batch: 200-8248
Prep Batch: N/A
Units: ug/L

Instrument ID: 2866.i
Lab File ID: 21oct101429-r021.d
Initial Weight/Volume: 18 mL
Final Weight/Volume: 18 mL
Injection Volume: 100 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL	RL
Methane	2.0	U	2.0	2.0
Ethane	4.0	U	4.0	4.0
Ethylene	3.0	U	3.0	3.0

Lab Control Sample - Batch: 200-8248

Method: RSK-175
Preparation: N/A

Lab Sample ID: LCS 200-8248/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/21/2010 1442
Date Prepared: N/A

Analysis Batch: 200-8248
Prep Batch: N/A
Units: ug/L

Instrument ID: 2866.i
Lab File ID: 21oct101429-r011.d
Initial Weight/Volume: 18 mL
Final Weight/Volume: 18 mL
Injection Volume: 100 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methane	72.8	78.2	107	70 - 130	
Ethane	137	143	105	70 - 130	
Ethylene	127	135	106	70 - 130	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98197

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 500-98197/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 0944
Date Prepared: 10/27/2010 0800

Analysis Batch: 500-98367
Prep Batch: 500-98197
Units: mg/L

Instrument ID: ICP5
Lab File ID: P51028A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.0017	U	0.0017	0.010
Barium	0.00090	U	0.00090	0.010
Cadmium	0.00025	U	0.00025	0.0020
Chromium	0.0014	U	0.0014	0.010
Lead	0.00188	J	0.0017	0.0050
Selenium	0.0024	U	0.0024	0.010
Silver	0.00086	U	0.00086	0.0050

Lab Control Sample - Batch: 500-98197

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 500-98197/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 0950
Date Prepared: 10/27/2010 0800

Analysis Batch: 500-98367
Prep Batch: 500-98197
Units: mg/L

Instrument ID: ICP5
Lab File ID: P51028A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.100	0.0940	94	80 - 120	
Barium	2.00	1.98	99	80 - 120	
Cadmium	0.0500	0.0502	100	80 - 120	
Chromium	0.200	0.207	103	80 - 120	
Lead	0.100	0.101	101	80 - 120	
Selenium	0.100	0.0881	88	80 - 120	
Silver	0.0500	0.0491	98	80 - 120	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98197

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	500-28652-6	Analysis Batch: 500-98367	Instrument ID: ICP5
Client Matrix:	Water	Prep Batch: 500-98197	Lab File ID: P51028A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/28/2010 1100		Final Weight/Volume: 50 mL
Date Prepared:	10/27/2010 0800		

MSD Lab Sample ID:	500-28652-6	Analysis Batch: 500-98367	Instrument ID: ICP5
Client Matrix:	Water	Prep Batch: 500-98197	Lab File ID: P51028A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/28/2010 1106		Final Weight/Volume: 50 mL
Date Prepared:	10/27/2010 0800		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	94	96	75 - 125	1	20		
Barium	96	98	75 - 125	2	20		
Cadmium	94	94	75 - 125	0	20		
Chromium	97	97	75 - 125	0	20		
Lead	96	98	75 - 125	2	20		
Selenium	86	88	75 - 125	2	20		
Silver	95	97	75 - 125	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98197

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	500-28652-6	Units: mg/L	MSD Lab Sample ID: 500-28652-6
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	10/28/2010 1100		Date Analyzed: 10/28/2010 1106
Date Prepared:	10/27/2010 0800		Date Prepared: 10/27/2010 0800

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.0017	U	0.100	0.100	0.0943	0.0956
Barium	0.084		2.00	2.00	2.01	2.05
Cadmium	0.00025	U	0.0500	0.0500	0.0469	0.0470
Chromium	0.0014	U	0.200	0.200	0.193	0.194
Lead	0.0017	U	0.100	0.100	0.0963	0.0981
Selenium	0.0024	U	0.100	0.100	0.0860	0.0877
Silver	0.00086	U	0.0500	0.0500	0.0477	0.0483

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Serial Dilution - Batch: 500-98197

Method: 6010B
Preparation: 3010A

Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 10/28/2010 1033
Date Prepared: 10/27/2010 0800

Analysis Batch: 500-98367
Prep Batch: 500-98197
Units: mg/L

Instrument ID: ICP5
Lab File ID: P51028A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	0.0017	U	0.0084	NC	10	U
Barium	0.084		0.0846	0.37	10	
Cadmium	0.00025	U	0.0013	NC	10	U
Chromium	0.0014	U	0.0072	NC	10	U
Lead	0.0017	U	0.0083	NC	10	U
Selenium	0.0024	U	0.012	NC	10	U
Silver	0.00086	U	0.0043	NC	10	U

Duplicate - Batch: 500-98197

Method: 6010B
Preparation: 3010A

Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 1039
Date Prepared: 10/27/2010 0800

Analysis Batch: 500-98367
Prep Batch: 500-98197
Units: mg/L

Instrument ID: ICP5
Lab File ID: P51028A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.0017	U	0.0017	NC	20	U
Barium	0.084		0.0891	6	20	
Cadmium	0.00025	U	0.00025	NC	20	U
Chromium	0.0014	U	0.0014	NC	20	U
Lead	0.0017	U	0.0017	NC	20	U
Selenium	0.0024	U	0.0024	NC	20	U
Silver	0.00086	U	0.00086	NC	20	U

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98043

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 500-98043/7-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1218
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043
Units: ug/L

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.051	U	0.051	0.20

Lab Control Sample - Batch: 500-98043

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 500-98043/8-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1220
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043
Units: ug/L

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.00	2.01	100	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98043

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1321
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1324
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	93	93	75 - 125	0	20		

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-98043

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1321
Date Prepared: 10/26/2010 0715

Units: ug/L

MSD Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1324
Date Prepared: 10/26/2010 0715

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.051	U	1.00	1.00	0.931	0.933

Duplicate - Batch: 500-98043

Method: 7470A
Preparation: 7470A

Lab Sample ID: 500-28652-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/26/2010 1318
Date Prepared: 10/26/2010 0715

Analysis Batch: 500-98134
Prep Batch: 500-98043
Units: ug/L

Instrument ID: HG5
Lab File ID: 102610R.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.051	U	0.051	NC	20	U

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-97802

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 500-97802/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1604
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\201010
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Nitrate as N	0.0807	J ^	0.013	0.10
Nitrite as N	0.028	U	0.028	0.10
Sulfate	0.053	U	0.053	0.20

Lab Control Sample - Batch: 500-97802

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 500-97802/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1617
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	2.00	2.24	112	90 - 110	^ *
Nitrite as N	2.00	2.14	107	90 - 110	
Sulfate	5.00	5.35	107	90 - 110	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-97802

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1512
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101
Initial Weight/Volume:
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1541
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	125	126	75 - 125	1	20	^	F ^

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-97802

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/20/2010 1527
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101
Initial Weight/Volume:
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/20/2010 1553
Date Prepared: N/A

Analysis Batch: 500-97802
Prep Batch: N/A

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrite as N	108	108	75 - 125	0	20		

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-97802

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1512
Date Prepared: N/A

Units: mg/L

MSD Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1541
Date Prepared: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrate as N	0.013	U	2.00	2.00	2.50	^	2.51	F ^

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-97802

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/20/2010 1527
Date Prepared: N/A

Units: mg/L

MSD Lab Sample ID: 500-28652-8
Client Matrix: Water
Dilution: 20
Date Analyzed: 10/20/2010 1553
Date Prepared: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrite as N	0.56	U	40.0	40.0	43.2	43.2

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98736

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 500-98736/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2010 0846
Date Prepared: N/A

Analysis Batch: 500-98736
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: c:\peaknet\data\20101101\D
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Chloride	0.030	U	0.030	0.20
Sulfate	0.053	U	0.053	0.20

Lab Control Sample - Batch: 500-98736

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 500-98736/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/01/2010 0900
Date Prepared: N/A

Analysis Batch: 500-98736
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: c:\peaknet\data\20101101\
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	3.00	3.07	102	90 - 110	
Sulfate	5.00	5.10	102	90 - 110	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98038

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 500-98038/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/21/2010 1620
Date Prepared: N/A

Analysis Batch: 500-98038
Prep Batch: N/A
Units: mg/L

Instrument ID: PC-Titrate
Lab File ID: 10102101.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Alkalinity	1.3	U	1.3	5.0

Lab Control Sample - Batch: 500-98038

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 500-98038/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/21/2010 1627
Date Prepared: N/A

Analysis Batch: 500-98038
Prep Batch: N/A
Units: mg/L

Instrument ID: PC-Titrate
Lab File ID: 10102101.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	100	97.9	98	80 - 120	

Duplicate - Batch: 500-98038

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 500-28652-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/21/2010 1713
Date Prepared: N/A

Analysis Batch: 500-98038
Prep Batch: N/A
Units: mg/L

Instrument ID: PC-Titrate
Lab File ID: 10102101.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	78	65.1	18	20	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98316

Method: SM 5310C
Preparation: N/A

Lab Sample ID: MB 500-98316/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/27/2010 1435
Date Prepared: N/A

Analysis Batch: 500-98316
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC5
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
TOC Result 1	0.36	U	0.36	1.0
TOC Result 2	0.36	U	0.36	1.0
TOC Dup	0.36	U	0.36	1.0

Lab Control Sample - Batch: 500-98316

Method: SM 5310C
Preparation: N/A

Lab Sample ID: LCS 500-98316/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/27/2010 1451
Date Prepared: N/A

Analysis Batch: 500-98316
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC5
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TOC Result 1	10.0	8.59	86	80 - 120	
TOC Result 2	10.0	8.64	86	80 - 120	
TOC Dup	10.0	8.61	86	80 - 120	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-98371

Method: SM 5310C
Preparation: N/A

Lab Sample ID: MB 500-98371/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 0920
Date Prepared: N/A

Analysis Batch: 500-98371
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
TOC Result 1	0.36	U	0.36	1.0
TOC Result 2	0.36	U	0.36	1.0
TOC Dup	0.36	U	0.36	1.0

Lab Control Sample - Batch: 500-98371

Method: SM 5310C
Preparation: N/A

Lab Sample ID: LCS 500-98371/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/28/2010 0937
Date Prepared: N/A

Analysis Batch: 500-98371
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TOC Result 1	10.0	10.0	100	80 - 120	
TOC Result 2	10.0	10.2	102	80 - 120	
TOC Dup	10.0	10.1	101	80 - 120	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Method Blank - Batch: 500-99008

Method: SM 5310C
Preparation: N/A

Lab Sample ID: MB 500-99008/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/03/2010 1000
Date Prepared: N/A

Analysis Batch: 500-99008
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
TOC Result 1	0.36	U	0.36	1.0
TOC Result 2	0.36	U	0.36	1.0
TOC Dup	0.36	U	0.36	1.0

Lab Control Sample - Batch: 500-99008

Method: SM 5310C
Preparation: N/A

Lab Sample ID: LCS 500-99008/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/03/2010 1018
Date Prepared: N/A

Analysis Batch: 500-99008
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TOC Result 1	10.0	10.4	104	80 - 120	
TOC Result 2	10.0	10.5	105	80 - 120	
TOC Dup	10.0	10.5	105	80 - 120	

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-98381					
LCS 500-98381/4	Lab Control Sample	T	Water	8260B	
MB 500-98381/3	Method Blank	T	Water	8260B	
500-28652-1	VLF-MW-1	T	Water	8260B	
500-28652-2	VLF-MW-2	T	Water	8260B	
500-28652-2DL	VLF-MW-2	T	Water	8260B	
500-28652-3	VLF-MW-3	T	Water	8260B	
500-28652-4	VLF-MW-4	T	Water	8260B	
500-28652-5	VLF-MW-2 DUP	T	Water	8260B	
500-28652-5DL	VLF-MW-2 DUP	T	Water	8260B	
500-28652-6	OLD-MW-4	T	Water	8260B	
500-28652-6DL	OLD-MW-4	T	Water	8260B	
500-28652-6MS	Matrix Spike	T	Water	8260B	
500-28652-6MSD	Matrix Spike Duplicate	T	Water	8260B	
500-28652-7	TRIP BLANK	T	Water	8260B	
500-28652-8	VLF-MW-7	T	Water	8260B	
500-28652-9	OLD-MW-9	T	Water	8260B	
500-28652-9DL	OLD-MW-9	T	Water	8260B	
500-28652-10	VLF-MW-5	T	Water	8260B	
500-28652-11	VLF-MW-6	T	Water	8260B	
500-28652-11DL	VLF-MW-6	T	Water	8260B	
Analysis Batch:500-98526					
LCS 500-98526/4	Lab Control Sample	T	Water	8260B	
MB 500-98526/3	Method Blank	T	Water	8260B	
500-28652-3DL	VLF-MW-3	T	Water	8260B	
500-28652-12	TRIP BLANK-2	T	Water	8260B	

Report Basis
T = Total

GC VOA

Analysis Batch:200-8248					
LCS 200-8248/2	Lab Control Sample	T	Water	RSK-175	
MB 200-8248/3	Method Blank	T	Water	RSK-175	
500-28652-2	VLF-MW-2	T	Water	RSK-175	
500-28652-3	VLF-MW-3	T	Water	RSK-175	
500-28652-8	VLF-MW-7	T	Water	RSK-175	
500-28652-11	VLF-MW-6	T	Water	RSK-175	

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-98043					
LCS 500-98043/8-A	Lab Control Sample	T	Water	7470A	
MB 500-98043/7-A	Method Blank	T	Water	7470A	
500-28652-1	VLF-MW-1	T	Water	7470A	
500-28652-2	VLF-MW-2	T	Water	7470A	
500-28652-3	VLF-MW-3	T	Water	7470A	
500-28652-4	VLF-MW-4	T	Water	7470A	
500-28652-5	VLF-MW-2 DUP	T	Water	7470A	
500-28652-6	OLD-MW-4	T	Water	7470A	
500-28652-6DU	Duplicate	T	Water	7470A	
500-28652-6MS	Matrix Spike	T	Water	7470A	
500-28652-6MSD	Matrix Spike Duplicate	T	Water	7470A	
500-28652-8	VLF-MW-7	T	Water	7470A	
500-28652-10	VLF-MW-5	T	Water	7470A	
500-28652-11	VLF-MW-6	T	Water	7470A	
Analysis Batch:500-98134					
LCS 500-98043/8-A	Lab Control Sample	T	Water	7470A	500-98043
MB 500-98043/7-A	Method Blank	T	Water	7470A	500-98043
500-28652-1	VLF-MW-1	T	Water	7470A	500-98043
500-28652-2	VLF-MW-2	T	Water	7470A	500-98043
500-28652-3	VLF-MW-3	T	Water	7470A	500-98043
500-28652-4	VLF-MW-4	T	Water	7470A	500-98043
500-28652-5	VLF-MW-2 DUP	T	Water	7470A	500-98043
500-28652-6	OLD-MW-4	T	Water	7470A	500-98043
500-28652-6DU	Duplicate	T	Water	7470A	500-98043
500-28652-6MS	Matrix Spike	T	Water	7470A	500-98043
500-28652-6MSD	Matrix Spike Duplicate	T	Water	7470A	500-98043
500-28652-8	VLF-MW-7	T	Water	7470A	500-98043
500-28652-10	VLF-MW-5	T	Water	7470A	500-98043
500-28652-11	VLF-MW-6	T	Water	7470A	500-98043

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-98197					
LCS 500-98197/2-A	Lab Control Sample	T	Water	3010A	
MB 500-98197/1-A	Method Blank	T	Water	3010A	
500-28652-1	VLF-MW-1	T	Water	3010A	
500-28652-2	VLF-MW-2	T	Water	3010A	
500-28652-3	VLF-MW-3	T	Water	3010A	
500-28652-4	VLF-MW-4	T	Water	3010A	
500-28652-5	VLF-MW-2 DUP	T	Water	3010A	
500-28652-6	OLD-MW-4	T	Water	3010A	
500-28652-6DU	Duplicate	T	Water	3010A	
500-28652-6MS	Matrix Spike	T	Water	3010A	
500-28652-6MSD	Matrix Spike Duplicate	T	Water	3010A	
500-28652-8	VLF-MW-7	T	Water	3010A	
500-28652-10	VLF-MW-5	T	Water	3010A	
500-28652-11	VLF-MW-6	T	Water	3010A	
Analysis Batch:500-98367					
LCS 500-98197/2-A	Lab Control Sample	T	Water	6010B	500-98197
MB 500-98197/1-A	Method Blank	T	Water	6010B	500-98197
500-28652-1	VLF-MW-1	T	Water	6010B	500-98197
500-28652-2	VLF-MW-2	T	Water	6010B	500-98197
500-28652-3	VLF-MW-3	T	Water	6010B	500-98197
500-28652-4	VLF-MW-4	T	Water	6010B	500-98197
500-28652-5	VLF-MW-2 DUP	T	Water	6010B	500-98197
500-28652-6	OLD-MW-4	T	Water	6010B	500-98197
500-28652-6DU	Duplicate	T	Water	6010B	500-98197
500-28652-6MS	Matrix Spike	T	Water	6010B	500-98197
500-28652-6MSD	Matrix Spike Duplicate	T	Water	6010B	500-98197
500-28652-8	VLF-MW-7	T	Water	6010B	500-98197
500-28652-10	VLF-MW-5	T	Water	6010B	500-98197
500-28652-11	VLF-MW-6	T	Water	6010B	500-98197

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-97802					
LCS 500-97802/22	Lab Control Sample	T	Water	300.0	
MB 500-97802/21	Method Blank	T	Water	300.0	
500-28652-1	VLF-MW-1	T	Water	300.0	
500-28652-2	VLF-MW-2	T	Water	300.0	
500-28652-3	VLF-MW-3	T	Water	300.0	
500-28652-4	VLF-MW-4	T	Water	300.0	
500-28652-6	OLD-MW-4	T	Water	300.0	
500-28652-8	VLF-MW-7	T	Water	300.0	
500-28652-8MS	Matrix Spike	T	Water	300.0	
500-28652-8MSD	Matrix Spike Duplicate	T	Water	300.0	
500-28652-9	OLD-MW-9	T	Water	300.0	
500-28652-10	VLF-MW-5	T	Water	300.0	
500-28652-11	VLF-MW-6	T	Water	300.0	
Analysis Batch:500-98038					
LCS 500-98038/3	Lab Control Sample	T	Water	SM 2320B	
MB 500-98038/2	Method Blank	T	Water	SM 2320B	
500-28652-1	VLF-MW-1	T	Water	SM 2320B	
500-28652-1DU	Duplicate	T	Water	SM 2320B	
500-28652-2	VLF-MW-2	T	Water	SM 2320B	
500-28652-3	VLF-MW-3	T	Water	SM 2320B	
500-28652-4	VLF-MW-4	T	Water	SM 2320B	
500-28652-6	OLD-MW-4	T	Water	SM 2320B	
500-28652-8	VLF-MW-7	T	Water	SM 2320B	
500-28652-9	OLD-MW-9	T	Water	SM 2320B	
500-28652-10	VLF-MW-5	T	Water	SM 2320B	
500-28652-11	VLF-MW-6	T	Water	SM 2320B	
Analysis Batch:500-98316					
LCS 500-98316/4	Lab Control Sample	T	Water	SM 5310C	
MB 500-98316/3	Method Blank	T	Water	SM 5310C	
500-28652-1	VLF-MW-1	T	Water	SM 5310C	
500-28652-6	OLD-MW-4	T	Water	SM 5310C	
500-28652-8	VLF-MW-7	T	Water	SM 5310C	
500-28652-9	OLD-MW-9	T	Water	SM 5310C	
500-28652-10	VLF-MW-5	T	Water	SM 5310C	
Analysis Batch:500-98371					
LCS 500-98371/4	Lab Control Sample	T	Water	SM 5310C	
MB 500-98371/3	Method Blank	T	Water	SM 5310C	
500-28652-4	VLF-MW-4	T	Water	SM 5310C	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-98736					
LCS 500-98736/7	Lab Control Sample	T	Water	300.0	
MB 500-98736/6	Method Blank	T	Water	300.0	
500-28652-1	VLF-MW-1	T	Water	300.0	
500-28652-2	VLF-MW-2	T	Water	300.0	
500-28652-3	VLF-MW-3	T	Water	300.0	
500-28652-4	VLF-MW-4	T	Water	300.0	
500-28652-6	OLD-MW-4	T	Water	300.0	
500-28652-6MS	Matrix Spike	T	Water	300.0	
500-28652-6MSD	Matrix Spike Duplicate	T	Water	300.0	
500-28652-8	VLF-MW-7	T	Water	300.0	
500-28652-9	OLD-MW-9	T	Water	300.0	
500-28652-10	VLF-MW-5	T	Water	300.0	
500-28652-11	VLF-MW-6	T	Water	300.0	
Analysis Batch:500-99008					
LCS 500-99008/4	Lab Control Sample	T	Water	SM 5310C	
MB 500-99008/3	Method Blank	T	Water	SM 5310C	
500-28652-11	VLF-MW-6	T	Water	SM 5310C	

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Laboratory Chronicle

Lab ID: 500-28652-1 **Client ID: VLF-MW-1**

Sample Date/Time: 10/19/2010 10:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-C-1		500-98381		10/28/2010 16:30	1	TAL CHI	EA
A:8260B	500-28652-C-1		500-98381		10/28/2010 16:30	1	TAL CHI	EA
P:3010A	500-28652-G-1-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-1-B		500-98367	500-98197	10/28/2010 09:56	1	TAL CHI	TDS
P:7470A	500-28652-G-1-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-1-A		500-98134	500-98043	10/26/2010 12:56	1	TAL CHI	JR
A:300.0	500-28652-F-1		500-97802		10/20/2010 13:45	1	TAL CHI	PMF
A:300.0	500-28652-F-1		500-97802		10/20/2010 14:00	20	TAL CHI	PMF
A:300.0	500-28652-F-1		500-98736		11/01/2010 10:12	100	TAL CHI	PMF
A:SM 2320B	500-28652-H-1		500-98038		10/21/2010 17:06	1	TAL CHI	CLM
A:SM 5310C	500-28652-A-1		500-98316		10/27/2010 19:15	1	TAL CHI	KD

Lab ID: 500-28652-1 DU **Client ID: VLF-MW-1**

Sample Date/Time: 10/19/2010 10:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	500-28652-H-1 DU		500-98038		10/21/2010 17:13	1	TAL CHI	CLM

Lab ID: 500-28652-2 **Client ID: VLF-MW-2**

Sample Date/Time: 10/18/2010 15:45 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-D-2		500-98381		10/28/2010 16:53	20	TAL CHI	EA
A:8260B	500-28652-D-2		500-98381		10/28/2010 16:53	20	TAL CHI	EA
P:5030B	500-28652-D-2	DL	500-98381		10/28/2010 17:16	200	TAL CHI	EA
A:8260B	500-28652-D-2	DL	500-98381		10/28/2010 17:16	200	TAL CHI	EA
A:RSK-175	500-28652-A-2		200-8248		10/21/2010 16:14	1	TAL BUR	PAD
P:3010A	500-28652-H-2-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-H-2-B		500-98367	500-98197	10/28/2010 10:02	1	TAL CHI	TDS
P:7470A	500-28652-H-2-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-H-2-A		500-98134	500-98043	10/26/2010 12:58	1	TAL CHI	JR
A:300.0	500-28652-G-2		500-97802		10/20/2010 12:19	1	TAL CHI	PMF
A:300.0	500-28652-G-2		500-97802		10/20/2010 12:34	20	TAL CHI	PMF
A:300.0	500-28652-G-2		500-98736		11/01/2010 10:27	100	TAL CHI	PMF
A:SM 2320B	500-28652-I-2		500-98038		10/21/2010 17:22	1	TAL CHI	CLM

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

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Lab ID: 500-28652-3 **Client ID: VLF-MW-3**

Sample Date/Time: 10/18/2010 14:15 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-D-3		500-98381		10/28/2010 17:39	1	TAL CHI	EA
A:8260B	500-28652-D-3		500-98381		10/28/2010 17:39	1	TAL CHI	EA
P:5030B	500-28652-E-3	DL	500-98526		10/29/2010 14:56	5	TAL CHI	EA
A:8260B	500-28652-E-3	DL	500-98526		10/29/2010 14:56	5	TAL CHI	EA
A:RSK-175	500-28652-A-3		200-8248		10/21/2010 16:19	1	TAL BUR	PAD
P:3010A	500-28652-H-3-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-H-3-B		500-98367	500-98197	10/28/2010 10:08	1	TAL CHI	TDS
P:7470A	500-28652-H-3-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-H-3-A		500-98134	500-98043	10/26/2010 13:02	1	TAL CHI	JR
A:300.0	500-28652-G-3		500-97802		10/20/2010 11:51	1	TAL CHI	PMF
A:300.0	500-28652-G-3		500-97802		10/20/2010 12:05	20	TAL CHI	PMF
A:300.0	500-28652-G-3		500-98736		11/01/2010 10:41	25	TAL CHI	PMF
A:SM 2320B	500-28652-I-3		500-98038		10/21/2010 17:42	1	TAL CHI	CLM

Lab ID: 500-28652-4 **Client ID: VLF-MW-4**

Sample Date/Time: 10/18/2010 18:10 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-C-4		500-98381		10/28/2010 18:02	1	TAL CHI	EA
A:8260B	500-28652-C-4		500-98381		10/28/2010 18:02	1	TAL CHI	EA
P:3010A	500-28652-G-4-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-4-B		500-98367	500-98197	10/28/2010 10:15	1	TAL CHI	TDS
P:7470A	500-28652-G-4-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-4-A		500-98134	500-98043	10/26/2010 13:05	1	TAL CHI	JR
A:300.0	500-28652-F-4		500-97802		10/20/2010 13:17	1	TAL CHI	PMF
A:300.0	500-28652-F-4		500-97802		10/20/2010 13:31	20	TAL CHI	PMF
A:300.0	500-28652-F-4		500-98736		11/01/2010 10:55	50	TAL CHI	PMF
A:SM 2320B	500-28652-H-4		500-98038		10/21/2010 17:51	1	TAL CHI	CLM
A:SM 5310C	500-28652-A-4		500-98371		10/28/2010 12:55	2	TAL CHI	KD

Lab ID: 500-28652-5 **Client ID: VLF-MW-2 DUP**

Sample Date/Time: 10/18/2010 15:45 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-A-5		500-98381		10/28/2010 18:25	20	TAL CHI	EA
A:8260B	500-28652-A-5		500-98381		10/28/2010 18:25	20	TAL CHI	EA
P:5030B	500-28652-A-5	DL	500-98381		10/28/2010 18:48	200	TAL CHI	EA
A:8260B	500-28652-A-5	DL	500-98381		10/28/2010 18:48	200	TAL CHI	EA
P:3010A	500-28652-D-5-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-D-5-B		500-98367	500-98197	10/28/2010 10:21	1	TAL CHI	TDS
P:7470A	500-28652-D-5-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-D-5-A		500-98134	500-98043	10/26/2010 13:07	1	TAL CHI	JR

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Laboratory Chronicle

Lab ID: 500-28652-6 **Client ID: OLD-MW-4**

Sample Date/Time: 10/18/2010 18:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-C-6		500-98381		10/28/2010 19:12	20	TAL CHI	EA
A:8260B	500-28652-C-6		500-98381		10/28/2010 19:12	20	TAL CHI	EA
P:5030B	500-28652-C-6	DL	500-98381		10/28/2010 19:35	200	TAL CHI	EA
A:8260B	500-28652-C-6	DL	500-98381		10/28/2010 19:35	200	TAL CHI	EA
P:3010A	500-28652-G-6-E		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-6-E		500-98367	500-98197	10/28/2010 10:27	1	TAL CHI	TDS
P:7470A	500-28652-G-6-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-6-A		500-98134	500-98043	10/26/2010 13:16	1	TAL CHI	JR
A:300.0	500-28652-F-6		500-97802		10/20/2010 12:48	1	TAL CHI	PMF
A:300.0	500-28652-F-6		500-97802		10/20/2010 13:02	20	TAL CHI	PMF
A:300.0	500-28652-F-6		500-98736		11/01/2010 11:10	25	TAL CHI	PMF
A:SM 2320B	500-28652-H-6		500-98038		10/21/2010 17:59	1	TAL CHI	CLM
A:SM 5310C	500-28652-A-6		500-98316		10/27/2010 19:47	1	TAL CHI	KD

Lab ID: 500-28652-6 **Client ID: OLD-MW-4**

Sample Date/Time: 10/18/2010 18:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-A-6 MS		500-98381		10/28/2010 19:58	20	TAL CHI	EA
A:8260B	500-28652-A-6 MS		500-98381		10/28/2010 19:58	20	TAL CHI	EA
P:3010A	500-28652-D-6-A MS		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-D-6-A MS		500-98367	500-98197	10/28/2010 11:00	1	TAL CHI	TDS
P:7470A	500-28652-G-6-C MS		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-6-C MS		500-98134	500-98043	10/26/2010 13:21	1	TAL CHI	JR

Lab ID: 500-28652-6 **Client ID: OLD-MW-4**

Sample Date/Time: 10/18/2010 18:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-A-6 MSD		500-98381		10/28/2010 20:21	20	TAL CHI	EA
A:8260B	500-28652-A-6 MSD		500-98381		10/28/2010 20:21	20	TAL CHI	EA
P:3010A	500-28652-D-6-B MSD		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-D-6-B MSD		500-98367	500-98197	10/28/2010 11:06	1	TAL CHI	TDS
P:7470A	500-28652-G-6-D MSD		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-6-D MSD		500-98134	500-98043	10/26/2010 13:24	1	TAL CHI	JR

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

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Lab ID: 500-28652-6 DU **Client ID: OLD-MW-4**

Sample Date/Time: 10/18/2010 18:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	500-28652-G-6-F DU		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-6-F DU		500-98367	500-98197	10/28/2010 10:39	1	TAL CHI	TDS
P:7470A	500-28652-G-6-B DU		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-6-B DU		500-98134	500-98043	10/26/2010 13:18	1	TAL CHI	JR

Lab ID: 500-28652-6 SD **Client ID: OLD-MW-4**

Sample Date/Time: 10/18/2010 18:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	500-28652-G-6-E SD ^5		500-98367	500-98197	10/27/2010 08:00	5	TAL CHI	LAH
A:6010B	500-28652-G-6-E SD ^5		500-98367	500-98197	10/28/2010 10:33	5	TAL CHI	TDS

Lab ID: 500-28652-7 **Client ID: TRIP BLANK**

Sample Date/Time: 10/18/2010 14:15 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-A-7		500-98381		10/28/2010 20:44	1	TAL CHI	EA
A:8260B	500-28652-A-7		500-98381		10/28/2010 20:44	1	TAL CHI	EA

Lab ID: 500-28652-8 **Client ID: VLF-MW-7**

Sample Date/Time: 10/19/2010 13:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-F-8		500-98381		10/28/2010 21:07	1	TAL CHI	EA
A:8260B	500-28652-F-8		500-98381		10/28/2010 21:07	1	TAL CHI	EA
A:RSK-175	500-28652-A-8		200-8248		10/21/2010 16:24	1	TAL BUR	PAD
P:3010A	500-28652-J-8-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-J-8-B		500-98367	500-98197	10/28/2010 11:13	1	TAL CHI	TDS
P:7470A	500-28652-J-8-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-J-8-A		500-98134	500-98043	10/26/2010 13:26	1	TAL CHI	JR
A:300.0	500-28652-I-8		500-97802		10/20/2010 14:44	1	TAL CHI	PMF
A:300.0	500-28652-I-8		500-97802		10/20/2010 14:58	20	TAL CHI	PMF
A:300.0	500-28652-I-8		500-98736		11/01/2010 11:24	10	TAL CHI	PMF
A:300.0	500-28652-I-8		500-98736		11/01/2010 11:38	100	TAL CHI	PMF
A:SM 2320B	500-28652-K-8		500-98038		10/21/2010 18:07	1	TAL CHI	CLM
A:SM 5310C	500-28652-D-8		500-98316		10/27/2010 20:04	1	TAL CHI	KD

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

Laboratory Chronicle

Lab ID: 500-28652-8 MS **Client ID: VLF-MW-7**

Sample Date/Time: 10/19/2010 13:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	500-28652-I-8 MS		500-97802		10/20/2010 15:12	1	TAL CHI	PMF
A:300.0	500-28652-I-8 MS		500-97802		10/20/2010 15:27	20	TAL CHI	PMF

Lab ID: 500-28652-8 MSD **Client ID: VLF-MW-7**

Sample Date/Time: 10/19/2010 13:00 Received Date/Time: 10/19/2010 13:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	500-28652-I-8 MSD		500-97802		10/20/2010 15:41	1	TAL CHI	PMF
A:300.0	500-28652-I-8 MSD		500-97802		10/20/2010 15:53	20	TAL CHI	PMF

Lab ID: 500-28652-9 **Client ID: OLD-MW-9**

Sample Date/Time: 10/19/2010 15:00 Received Date/Time: 10/20/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-C-9		500-98381		10/28/2010 21:30	2	TAL CHI	EA
A:8260B	500-28652-C-9		500-98381		10/28/2010 21:30	2	TAL CHI	EA
P:5030B	500-28652-C-9	DL	500-98381		10/28/2010 21:53	20	TAL CHI	EA
A:8260B	500-28652-C-9	DL	500-98381		10/28/2010 21:53	20	TAL CHI	EA
A:300.0	500-28652-F-9		500-97802		10/20/2010 16:30	1	TAL CHI	PMF
A:300.0	500-28652-F-9		500-97802		10/20/2010 16:44	20	TAL CHI	PMF
A:300.0	500-28652-F-9		500-98736		11/01/2010 11:53	10	TAL CHI	PMF
A:SM 2320B	500-28652-H-9		500-98038		10/21/2010 18:15	1	TAL CHI	CLM
A:SM 5310C	500-28652-A-9		500-98316		10/27/2010 20:20	1	TAL CHI	KD

Lab ID: 500-28652-10 **Client ID: VLF-MW-5**

Sample Date/Time: 10/19/2010 14:20 Received Date/Time: 10/20/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-C-10		500-98381		10/28/2010 22:16	1	TAL CHI	EA
A:8260B	500-28652-C-10		500-98381		10/28/2010 22:16	1	TAL CHI	EA
P:3010A	500-28652-G-10-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-10-B		500-98367	500-98197	10/28/2010 11:19	1	TAL CHI	TDS
P:7470A	500-28652-G-10-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-10-A		500-98134	500-98043	10/26/2010 13:29	1	TAL CHI	JR
A:300.0	500-28652-F-10		500-97802		10/20/2010 17:27	1	TAL CHI	PMF
A:300.0	500-28652-F-10		500-97802		10/20/2010 17:42	20	TAL CHI	PMF
A:300.0	500-28652-F-10		500-98736		11/01/2010 12:07	1	TAL CHI	PMF
A:SM 2320B	500-28652-H-10		500-98038		10/21/2010 18:23	1	TAL CHI	CLM
A:SM 5310C	500-28652-A-10		500-98316		10/28/2010 07:31	1	TAL CHI	KD

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-28652-1

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Lab ID: 500-28652-11 **Client ID: VLF-MW-6**

Sample Date/Time: 10/19/2010 13:30 Received Date/Time: 10/20/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-E-11		500-98381		10/28/2010 22:39	50	TAL CHI	EA
A:8260B	500-28652-E-11		500-98381		10/28/2010 22:39	50	TAL CHI	EA
P:5030B	500-28652-E-11	DL	500-98381		10/28/2010 23:02	500	TAL CHI	EA
A:8260B	500-28652-E-11	DL	500-98381		10/28/2010 23:02	500	TAL CHI	EA
A:RSK-175	500-28652-I-11		200-8248		10/21/2010 16:30	1	TAL BUR	PAD
P:3010A	500-28652-G-11-B		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	500-28652-G-11-B		500-98367	500-98197	10/28/2010 11:25	1	TAL CHI	TDS
P:7470A	500-28652-G-11-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	500-28652-G-11-A		500-98134	500-98043	10/26/2010 13:32	1	TAL CHI	JR
A:300.0	500-28652-F-11		500-97802		10/20/2010 17:56	1	TAL CHI	PMF
A:300.0	500-28652-F-11		500-97802		10/20/2010 18:10	20	TAL CHI	PMF
A:300.0	500-28652-F-11		500-98736		11/01/2010 12:21	10	TAL CHI	PMF
A:SM 2320B	500-28652-H-11		500-98038		10/21/2010 18:31	1	TAL CHI	CLM
A:SM 5310C	500-28652-B-11		500-99008		11/03/2010 11:13	1	TAL CHI	KD

Lab ID: 500-28652-12 **Client ID: TRIP BLANK-2**

Sample Date/Time: 10/19/2010 13:30 Received Date/Time: 10/20/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-28652-D-12		500-98526		10/29/2010 14:33	1	TAL CHI	EA
A:8260B	500-28652-D-12		500-98526		10/29/2010 14:33	1	TAL CHI	EA

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 500-98381/3		500-98381		10/28/2010 12:54	1	TAL CHI	EA
A:8260B	MB 500-98381/3		500-98381		10/28/2010 12:54	1	TAL CHI	EA
P:5030B	MB 500-98526/3		500-98526		10/29/2010 13:47	1	TAL CHI	EA
A:8260B	MB 500-98526/3		500-98526		10/29/2010 13:47	1	TAL CHI	EA
A:RSK-175	MB 200-8248/3		200-8248		10/21/2010 14:46	1	TAL BUR	PAD
P:3010A	MB 500-98197/1-A		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	MB 500-98197/1-A		500-98367	500-98197	10/28/2010 09:44	1	TAL CHI	TDS
P:7470A	MB 500-98043/7-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	MB 500-98043/7-A		500-98134	500-98043	10/26/2010 12:18	1	TAL CHI	JR
A:300.0	MB 500-97802/21		500-97802		10/20/2010 16:04	1	TAL CHI	PMF
A:300.0	MB 500-98736/6		500-98736		11/01/2010 08:46	1	TAL CHI	PMF
A:SM 2320B	MB 500-98038/2		500-98038		10/21/2010 16:20	1	TAL CHI	CLM
A:SM 5310C	MB 500-98316/3		500-98316		10/27/2010 14:35	1	TAL CHI	KD
A:SM 5310C	MB 500-98371/3		500-98371		10/28/2010 09:20	1	TAL CHI	KD
A:SM 5310C	MB 500-99008/3		500-99008		11/03/2010 10:00	1	TAL CHI	KD

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 500-98381/4		500-98381		10/28/2010 13:17	1	TAL CHI	EA
A:8260B	LCS 500-98381/4		500-98381		10/28/2010 13:17	1	TAL CHI	EA
P:5030B	LCS 500-98526/4		500-98526		10/29/2010 14:10	1	TAL CHI	EA
A:8260B	LCS 500-98526/4		500-98526		10/29/2010 14:10	1	TAL CHI	EA
A:RSK-175	LCS 200-8248/2		200-8248		10/21/2010 14:42	1	TAL BUR	PAD
P:3010A	LCS 500-98197/2-A		500-98367	500-98197	10/27/2010 08:00	1	TAL CHI	LAH
A:6010B	LCS 500-98197/2-A		500-98367	500-98197	10/28/2010 09:50	1	TAL CHI	TDS
P:7470A	LCS 500-98043/8-A		500-98134	500-98043	10/26/2010 07:15	1	TAL CHI	JR
A:7470A	LCS 500-98043/8-A		500-98134	500-98043	10/26/2010 12:20	1	TAL CHI	JR
A:300.0	LCS 500-97802/22		500-97802		10/20/2010 16:17	1	TAL CHI	PMF
A:300.0	LCS 500-98736/7		500-98736		11/01/2010 09:00	1	TAL CHI	PMF
A:SM 2320B	LCS 500-98038/3		500-98038		10/21/2010 16:27	1	TAL CHI	CLM
A:SM 5310C	LCS 500-98316/4		500-98316		10/27/2010 14:51	1	TAL CHI	KD
A:SM 5310C	LCS 500-98371/4		500-98371		10/28/2010 09:37	1	TAL CHI	KD
A:SM 5310C	LCS 500-99008/4		500-99008		11/03/2010 10:18	1	TAL CHI	KD

Lab References:
TAL BUR = TestAmerica Burlington
TAL CHI = TestAmerica Chicago

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
VLF-MW-1	500-28652-1	99	104	99	95
VLF-MW-2	500-28652-2	97	101	96	92
VLF-MW-2 DL	500-28652-2 DL	96	102	96	93
VLF-MW-3	500-28652-3	99	103	97	92
VLF-MW-3 DL	500-28652-3 DL	101	105	106	101
VLF-MW-4	500-28652-4	101	107	102	99
VLF-MW-2 DUP	500-28652-5	98	105	97	93
VLF-MW-2 DUP DL	500-28652-5 DL	94	100	95	89
OLD-MW-4	500-28652-6	100	107	99	95
OLD-MW-4 DL	500-28652-6 DL	95	99	94	88
TRIP BLANK	500-28652-7	98	103	98	94
VLF-MW-7	500-28652-8	101	106	100	93
OLD-MW-9	500-28652-9	102	105	98	94
OLD-MW-9 DL	500-28652-9 DL	101	109	102	96
VLF-MW-5	500-28652-10	105	110	105	97
VLF-MW-6	500-28652-11	103	108	100	95
VLF-MW-6 DL	500-28652-11 DL	100	105	97	90
TRIP BLANK-2	500-28652-12	100	105	105	99
	MB 500-98381/3	93	99	95	91
	MB 500-98526/3	100	101	106	98
	LCS 500-98381/4	101	100	99	96
	LCS 500-98526/4	104	103	107	103
OLD-MW-4 MS	500-28652-6 MS	102	103	100	94
OLD-MW-4 MSD	500-28652-6 MSD	99	102	98	94

	QC LIMITS
DBFM = Dibromofluoromethane	80-124
DCA = 1,2-Dichloroethane-d4 (Surr)	80-129
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-115

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 22S1028.D

Lab ID: LCS 500-98381/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.6	98	73-117	
trans-1,2-Dichloroethene	25.0	24.5	98	67-125	
cis-1,2-Dichloroethene	25.0	23.8	95	65-115	
Ethylbenzene	25.0	25.3	101	80-116	
Trichloroethene	25.0	25.4	102	77-118	
Tetrachloroethene	25.0	24.8	99	76-116	
Toluene	25.0	25.6	102	76-119	
Vinyl chloride	25.0	24.6	98	56-128	
Xylenes, Total	75.0	76.6	102	79-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 22S1029.D

Lab ID: LCS 500-98526/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	23.5	94	73-117	
trans-1,2-Dichloroethene	25.0	22.8	91	67-125	
cis-1,2-Dichloroethene	25.0	21.8	87	65-115	
Ethylbenzene	25.0	24.6	98	80-116	
Trichloroethene	25.0	24.9	100	77-118	
Tetrachloroethene	25.0	24.6	98	76-116	
Toluene	25.0	24.7	99	76-119	
Vinyl chloride	25.0	24.1	96	56-128	
Xylenes, Total	75.0	74.0	99	79-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 28652-06S.D

Lab ID: 500-28652-6 MS Client ID: OLD-MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	500	3.4 U	461	92	73-117	
trans-1,2-Dichloroethene	500	32	498	93	67-125	
cis-1,2-Dichloroethene	500	680	1080	81	65-115	
Ethylbenzene	500	3.6 U	473	95	80-116	
Trichloroethene	500	4700	4990	58	77-118	E 4
Tetrachloroethene	500	4.4 U	477	95	76-116	
Toluene	500	3.8 U	484	97	76-119	
Vinyl chloride	500	36	484	90	56-128	
Xylenes, Total	1500	6.4 U	1440	96	79-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 28652-06T.D

Lab ID: 500-28652-6 MSD Client ID: OLD-MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	500	461	92	0	20	73-117	
trans-1,2-Dichloroethene	500	490	92	2	20	67-125	
cis-1,2-Dichloroethene	500	1110	87	3	20	65-115	
Ethylbenzene	500	473	95	0	20	80-116	
Trichloroethene	500	5370	133	7	20	77-118	E 4
Tetrachloroethene	500	474	95	0	20	76-116	
Toluene	500	487	97	1	20	76-119	
Vinyl chloride	500	484	89	0	20	56-128	
Xylenes, Total	1500	1440	96	0	20	79-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab File ID: 22M1028.D Lab Sample ID: MB 500-98381/3

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

Instrument ID: MS22 Date Analyzed: 10/28/2010 12:54

GC Column: DB624 ID: 0.2(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 500-98381/4	22S1028.D	10/28/2010 13:17
VLF-MW-1	500-28652-1	28652-01.D	10/28/2010 16:30
VLF-MW-2	500-28652-2	28652-02.D	10/28/2010 16:53
VLF-MW-2 DL	500-28652-2 DL	28652-02A.D	10/28/2010 17:16
VLF-MW-3	500-28652-3	28652-03.D	10/28/2010 17:39
VLF-MW-4	500-28652-4	28652-04.D	10/28/2010 18:02
VLF-MW-2 DUP	500-28652-5	28652-05.D	10/28/2010 18:25
VLF-MW-2 DUP DL	500-28652-5 DL	28652-05A.D	10/28/2010 18:48
OLD-MW-4	500-28652-6	28652-06.D	10/28/2010 19:12
OLD-MW-4 DL	500-28652-6 DL	28652-06A.D	10/28/2010 19:35
OLD-MW-4 MS	500-28652-6 MS	28652-06S.D	10/28/2010 19:58
OLD-MW-4 MSD	500-28652-6 MSD	28652-06T.D	10/28/2010 20:21
TRIP BLANK	500-28652-7	28652-07.D	10/28/2010 20:44
VLF-MW-7	500-28652-8	28652-08.D	10/28/2010 21:07
OLD-MW-9	500-28652-9	28652-09.D	10/28/2010 21:30
OLD-MW-9 DL	500-28652-9 DL	28652-09A.D	10/28/2010 21:53
VLF-MW-5	500-28652-10	28652-10.D	10/28/2010 22:16
VLF-MW-6	500-28652-11	28652-11.D	10/28/2010 22:39
VLF-MW-6 DL	500-28652-11 DL	28652-11A.D	10/28/2010 23:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab File ID: 22M1029.D Lab Sample ID: MB 500-98526/3

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

Instrument ID: MS22 Date Analyzed: 10/29/2010 13:47

GC Column: DB624 ID: 0.2(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 500-98526/4	22S1029.D	10/29/2010 14:10
TRIP BLANK-2	500-28652-12	28652-12A.D	10/29/2010 14:33
VLF-MW-3 DL	500-28652-3 DL	28652-03A.D	10/29/2010 14:56

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab File ID: 22B1027.D BFB Injection Date: 10/27/2010

Instrument ID: MS22 BFB Injection Time: 12:41

Analysis Batch No.: 98283

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	44.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	98.4	
175	5.0 - 9.0 % of mass 174	6.8	(6.9)1
176	95.0 - 101.0 % of mass 174	96.5	(98.0)1
177	5.0 - 9.0 % of mass 176	5.6	(5.8)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 500-98283/2	22I1027B.D	10/27/2010	14:06
	IC 500-98283/3	22I1027C.D	10/27/2010	14:52
	IC 500-98283/4	22I1027D.D	10/27/2010	15:38
	IC 500-98283/6	22I1027F.D	10/27/2010	16:24
	IC 500-98283/7	22I1027G.D	10/27/2010	16:47
	IC 500-98283/8	22I1027H.D	10/27/2010	17:45
	IC 500-98283/9	22I1027I.D	10/27/2010	18:08
	IC 500-98283/5	22I1027E1.D	10/27/2010	18:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab File ID: 22B1028.D BFB Injection Date: 10/28/2010

Instrument ID: MS22 BFB Injection Time: 11:23

Analysis Batch No.: 98381

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.4	
75	30.0 - 60.0 % of mass 95	40.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	88.5	
175	5.0 - 9.0 % of mass 174	6.1	(6.9)1
176	95.0 - 101.0 % of mass 174	87.5	(98.9)1
177	5.0 - 9.0 % of mass 176	4.6	(5.3)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
	CCV 500-98381/2	22C1028A.D	10/28/2010	12:23
	MB 500-98381/3	22M1028.D	10/28/2010	12:54
	LCS 500-98381/4	22S1028.D	10/28/2010	13:17
VLF-MW-1	500-28652-1	28652-01.D	10/28/2010	16:30
VLF-MW-2	500-28652-2	28652-02.D	10/28/2010	16:53
VLF-MW-2 DL	500-28652-2 DL	28652-02A.D	10/28/2010	17:16
VLF-MW-3	500-28652-3	28652-03.D	10/28/2010	17:39
VLF-MW-4	500-28652-4	28652-04.D	10/28/2010	18:02
VLF-MW-2 DUP	500-28652-5	28652-05.D	10/28/2010	18:25
VLF-MW-2 DUP DL	500-28652-5 DL	28652-05A.D	10/28/2010	18:48
OLD-MW-4	500-28652-6	28652-06.D	10/28/2010	19:12
OLD-MW-4 DL	500-28652-6 DL	28652-06A.D	10/28/2010	19:35
OLD-MW-4 MS	500-28652-6 MS	28652-06S.D	10/28/2010	19:58
OLD-MW-4 MSD	500-28652-6 MSD	28652-06T.D	10/28/2010	20:21
TRIP BLANK	500-28652-7	28652-07.D	10/28/2010	20:44
VLF-MW-7	500-28652-8	28652-08.D	10/28/2010	21:07
OLD-MW-9	500-28652-9	28652-09.D	10/28/2010	21:30
OLD-MW-9 DL	500-28652-9 DL	28652-09A.D	10/28/2010	21:53
VLF-MW-5	500-28652-10	28652-10.D	10/28/2010	22:16
VLF-MW-6	500-28652-11	28652-11.D	10/28/2010	22:39
VLF-MW-6 DL	500-28652-11 DL	28652-11A.D	10/28/2010	23:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab File ID: 22B1029.D BFB Injection Date: 10/29/2010

Instrument ID: MS22 BFB Injection Time: 12:37

Analysis Batch No.: 98526

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.1	
75	30.0 - 60.0 % of mass 95	42.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	97.7	
175	5.0 - 9.0 % of mass 174	7.4	(7.6)1
176	95.0 - 101.0 % of mass 174	95.4	(97.7)1
177	5.0 - 9.0 % of mass 176	6.6	(6.9)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
	CCV 500-98526/2	22C1029.D	10/29/2010	13:01
	MB 500-98526/3	22M1029.D	10/29/2010	13:47
	LCS 500-98526/4	22S1029.D	10/29/2010	14:10
TRIP BLANK-2	500-28652-12	28652-12A.D	10/29/2010	14:33
VLF-MW-3 DL	500-28652-3 DL	28652-03A.D	10/29/2010	14:56

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

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Sample No.: MPIS 500-98381/7 Date Analyzed: 10/27/2010 16:24

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm)

Lab File ID (Standard): MPIS-WATER102710.d Heated Purge: (Y/N) N

Calibration ID: 3512

		PFB		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
		522905	3.48	726332	4.05	614823	6.41
UPPER LIMIT		1045810	3.98	1452664	4.55	1229646	6.91
LOWER LIMIT		261453	2.98	363166	3.55	307412	5.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 500-98381/2		488147	3.48	666285	4.04	577312	6.41
MB 500-98381/3		468453	3.48	637653	4.05	542228	6.41
LCS 500-98381/4		448686	3.48	617780	4.04	532903	6.41
500-28652-1	VLF-MW-1	440902	3.48	600212	4.04	512365	6.41
500-28652-2	VLF-MW-2	472526	3.48	641057	4.05	546192	6.41
500-28652-2 DL	VLF-MW-2 DL	435903	3.48	592777	4.05	502266	6.41
500-28652-3	VLF-MW-3	451595	3.48	612606	4.05	520144	6.41
500-28652-4	VLF-MW-4	412879	3.48	557506	4.05	471848	6.41
500-28652-5	VLF-MW-2 DUP	468815	3.48	632624	4.04	531978	6.41
500-28652-5 DL	VLF-MW-2 DUP DL	424170	3.48	575355	4.05	495893	6.41
500-28652-6	OLD-MW-4	447051	3.48	608234	4.05	517354	6.41
500-28652-6 DL	OLD-MW-4 DL	444557	3.48	608114	4.04	520637	6.41
500-28652-6 MS	OLD-MW-4 MS	452276	3.48	618257	4.05	532697	6.41
500-28652-6 MSD	OLD-MW-4 MSD	435925	3.48	585196	4.05	505085	6.41
500-28652-7	TRIP BLANK	460608	3.48	622925	4.05	533275	6.41
500-28652-8	VLF-MW-7	414748	3.48	565853	4.05	473778	6.41
500-28652-9	OLD-MW-9	423739	3.48	582393	4.05	494312	6.41
500-28652-9 DL	OLD-MW-9 DL	408133	3.48	552893	4.05	472515	6.41
500-28652-10	VLF-MW-5	422860	3.48	571468	4.05	490741	6.41
500-28652-11	VLF-MW-6	423904	3.48	576502	4.04	489961	6.41
500-28652-11 DL	VLF-MW-6 DL	399169	3.48	551941	4.05	473362	6.41

PFB = Pentafluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Sample No.: MPIS 500-98381/7 Date Analyzed: 10/27/2010 16:24

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm)

Lab File ID (Standard): MPIS-WATER102710.d Heated Purge: (Y/N) N

Calibration ID: 3512

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
		324750	8.24				
UPPER LIMIT		649500	8.74				
LOWER LIMIT		162375	7.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 500-98381/2		313747	8.24				
MB 500-98381/3		284258	8.24				
LCS 500-98381/4		294770	8.24				
500-28652-1	VLF-MW-1	267960	8.24				
500-28652-2	VLF-MW-2	290840	8.24				
500-28652-2 DL	VLF-MW-2 DL	266950	8.24				
500-28652-3	VLF-MW-3	267602	8.24				
500-28652-4	VLF-MW-4	247752	8.24				
500-28652-5	VLF-MW-2 DUP	279731	8.24				
500-28652-5 DL	VLF-MW-2 DUP DL	260724	8.24				
500-28652-6	OLD-MW-4	270865	8.24				
500-28652-6 DL	OLD-MW-4 DL	272707	8.24				
500-28652-6 MS	OLD-MW-4 MS	284726	8.24				
500-28652-6 MSD	OLD-MW-4 MSD	271224	8.24				
500-28652-7	TRIP BLANK	273632	8.24				
500-28652-8	VLF-MW-7	246331	8.24				
500-28652-9	OLD-MW-9	255313	8.24				
500-28652-9 DL	OLD-MW-9 DL	247802	8.24				
500-28652-10	VLF-MW-5	255595	8.24				
500-28652-11	VLF-MW-6	250647	8.24				
500-28652-11 DL	VLF-MW-6 DL	241984	8.24				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Sample No.: MPIS 500-98526/7 Date Analyzed: 10/27/2010 16:24

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm)

Lab File ID (Standard): MPIS-WATER102710.d Heated Purge: (Y/N) N

Calibration ID: 3512

		PFB		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
		522905	3.48	726332	4.05	614823	6.41
UPPER LIMIT		1045810	3.98	1452664	4.55	1229646	6.91
LOWER LIMIT		261453	2.98	363166	3.55	307412	5.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 500-98526/2		466015	3.48	623930	4.04	531412	6.41
MB 500-98526/3		415620	3.48	566620	4.04	494241	6.41
LCS 500-98526/4		418976	3.48	555754	4.04	477848	6.41
500-28652-12	TRIP BLANK-2	435364	3.48	573938	4.04	490700	6.41
500-28652-3 DL	VLF-MW-3 DL	407503	3.48	543509	4.05	471977	6.41

PFB = Pentafluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Sample No.: MPIS 500-98526/7 Date Analyzed: 10/27/2010 16:24

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm)

Lab File ID (Standard): MPIS-WATER102710.d Heated Purge: (Y/N) N

Calibration ID: 3512

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
		324750	8.24				
UPPER LIMIT		649500	8.74				
LOWER LIMIT		162375	7.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 500-98526/2		284968	8.24				
MB 500-98526/3		261822	8.24				
LCS 500-98526/4		259131	8.24				
500-28652-12	TRIP BLANK-2	259058	8.24				
500-28652-3 DL	VLF-MW-3 DL	251814	8.24				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-1 | Lab Sample ID: 500-28652-1

Matrix: Water | Lab File ID: 28652-01.D

Analysis Method: 8260B | Date Collected: 10/19/2010 10:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 16:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.40	J	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-129
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-115
1868-53-7	Dibromofluoromethane	99		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-01.D
Lab Smp Id: 500-28652-C-1 Client Smp ID: VLF-MW-1
Inj Date : 28-OCT-2010 16:30
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-1
Misc Info : 500-28652-C-1
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	157001	24.7215	24.722
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	440902	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	130720	25.9434	25.943
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	600212	25.0000	
57 Trichloroethene	130	4.220	4.223	(1.043)	3346	0.40021	0.4002(a)
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	673849	24.8401	24.840
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	512365	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	225139	23.8138	23.814
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	267960	25.0000	

QC Flag Legend

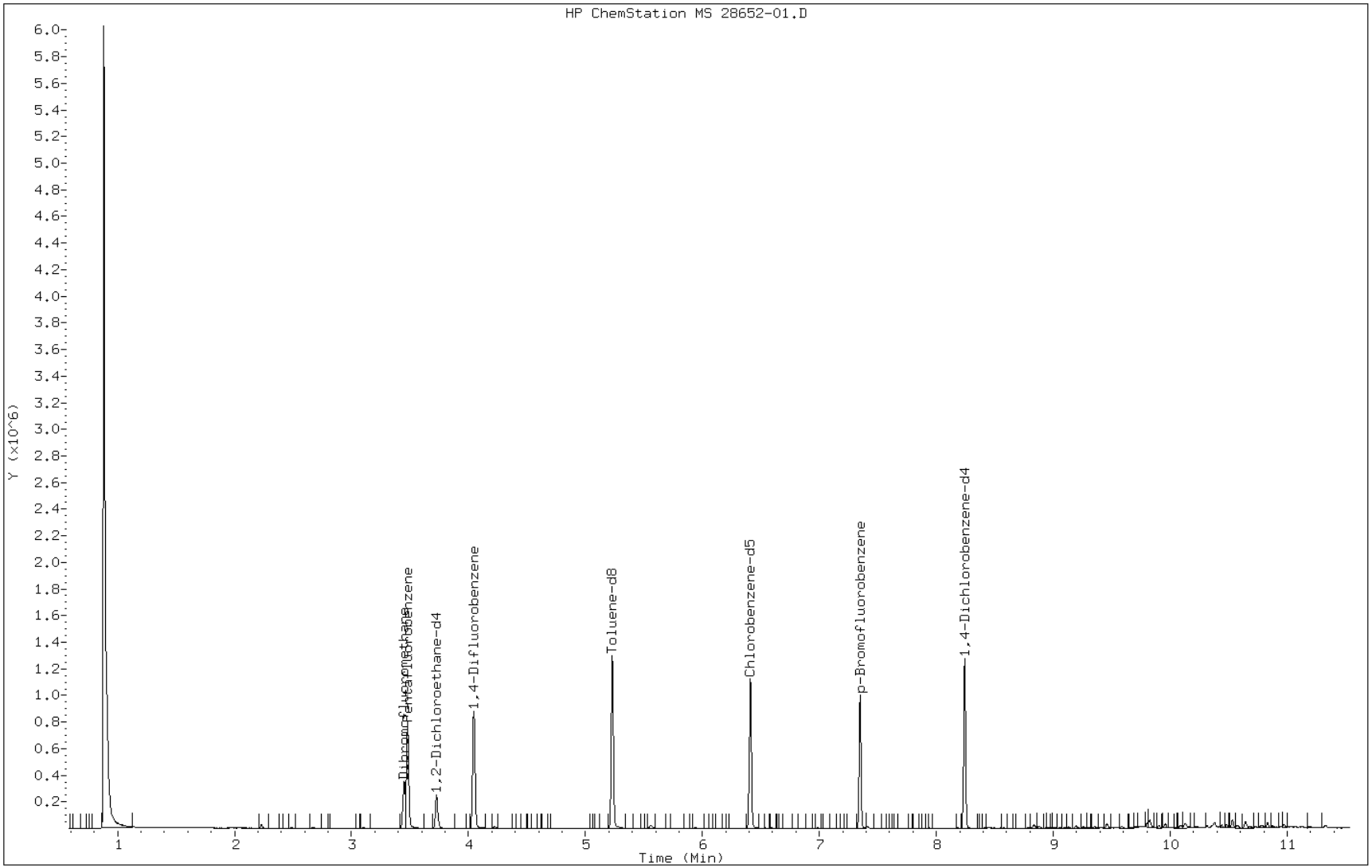
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 28652-01.D

Date: 28-OCT-2010 16:30

Client ID: VLF-MW-1 Instrument: ms22.i

Sample Info: 500-28652-C-1 Operator: EA



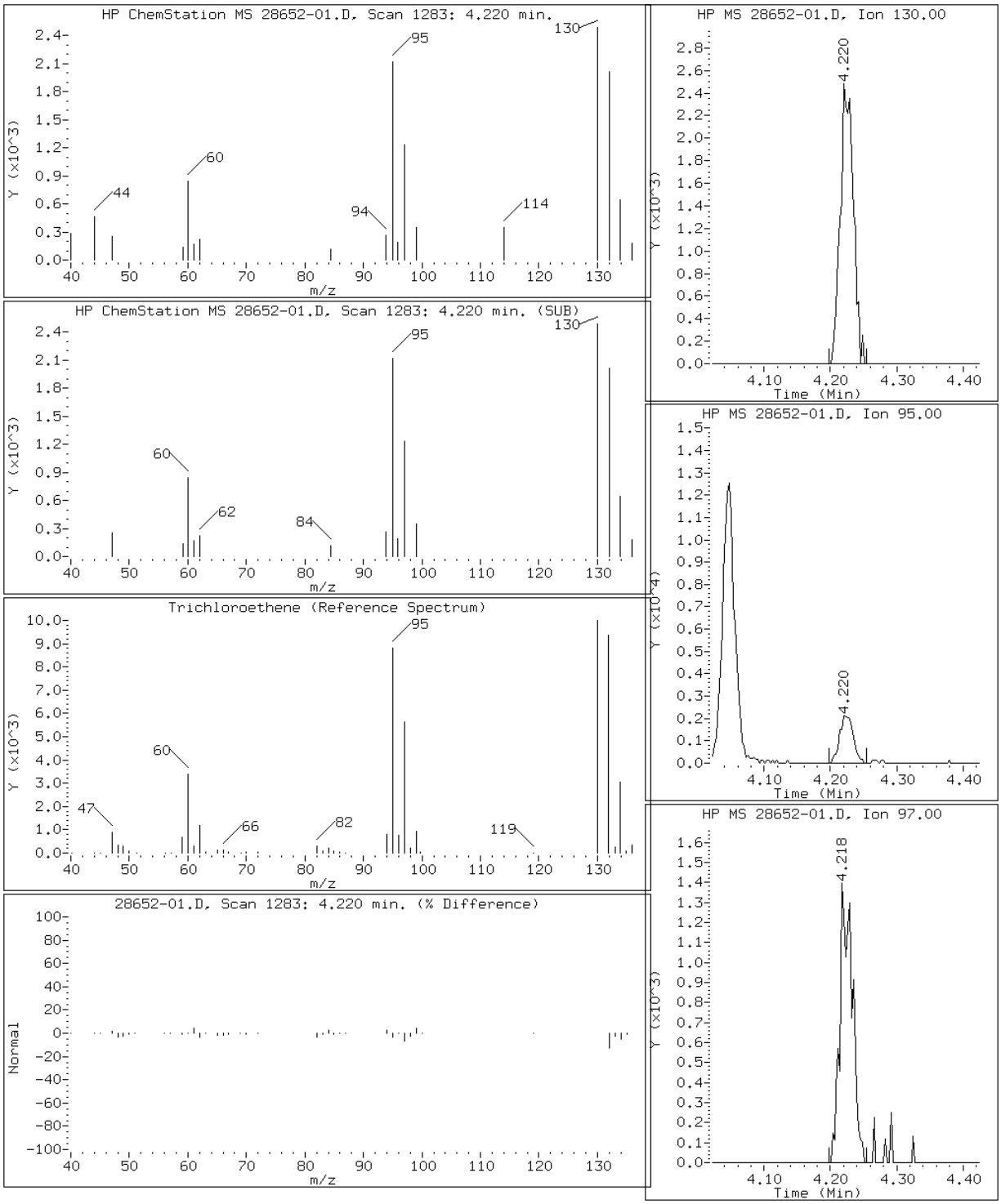
Data File: 28652-01.D

Date: 28-OCT-2010 16:30

Client ID: VLF-MW-1 Instrument: ms22.i

Sample Info: 500-28652-C-1 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-2 | Lab Sample ID: 500-28652-2

Matrix: Water | Lab File ID: 28652-02.D

Analysis Method: 8260B | Date Collected: 10/18/2010 15:45

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 16:53

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	3.4	U	20	3.4
156-60-5	trans-1,2-Dichloroethene	41		20	6.4
156-59-2	cis-1,2-Dichloroethene	1800		20	5.4
100-41-4	Ethylbenzene	3.6	U	20	3.6
127-18-4	Tetrachloroethene	27		20	4.4
108-88-3	Toluene	7.7	J	20	3.8
75-01-4	Vinyl chloride	99		20	4.0
1330-20-7	Xylenes, Total	6.4	U	40	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-129
2037-26-5	Toluene-d8 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-115
1868-53-7	Dibromofluoromethane	97		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-02.D
Lab Smp Id: 500-28652-D-2 Client Smp ID: VLF-MW-2
Inj Date : 28-OCT-2010 16:53
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-D-2
Misc Info : 500-28652-D-2
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 14
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.160	1.163	(0.334)	33546	4.95917	99.183
13 1,1-Dichloroethene	96	1.886	1.880	(0.542)	8629	1.92564	38.513
15 Acetone	43	1.966	1.974	(0.565)	5331	11.7368	234.74
24 trans-1,2-Dichloroethene	96	2.374	2.368	(0.682)	14928	2.03830	40.766
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	703621	92.1668	1843.3
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	165007	24.2433	24.243
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	472526	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	136067	25.2840	25.284
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	641057	25.0000	
57 Trichloroethene	130	4.226	4.223	(1.044)	2409099	269.788	5395.8(A)
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	691859	23.8790	23.879
68 Toluene	92	5.280	5.283	(1.305)	7124	0.38280	7.656(a)
72 Tetrachloroethene	166	5.697	5.697	(0.889)	13754	1.33073	26.615
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	546192	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	231051	22.9256	22.926
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	290840	25.0000	
M 115 1,2-Dichloroethene (total)	96				718549	96.0759	1921.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

QC Flag Legend

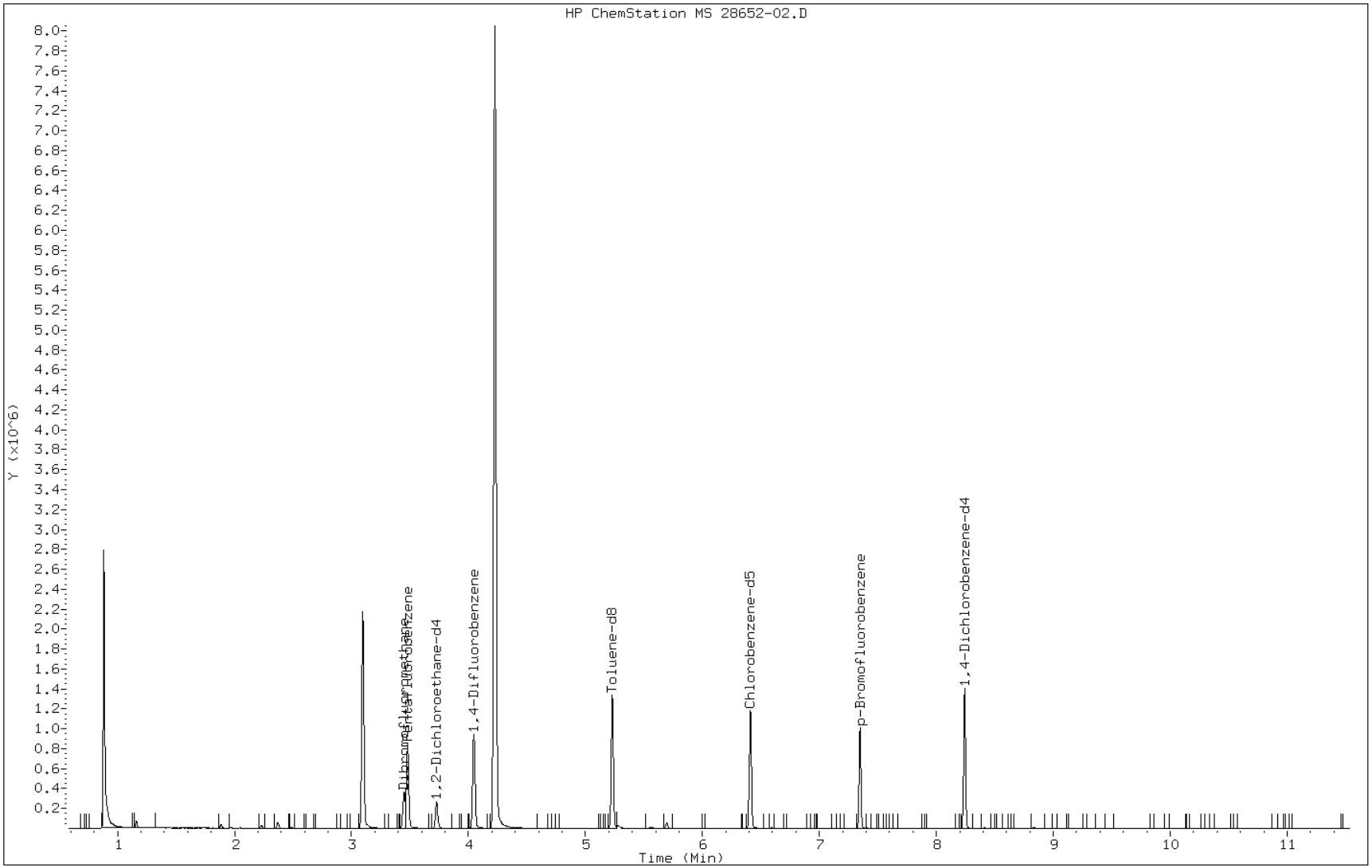
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 28652-02.D

Date: 28-OCT-2010 16:53

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA



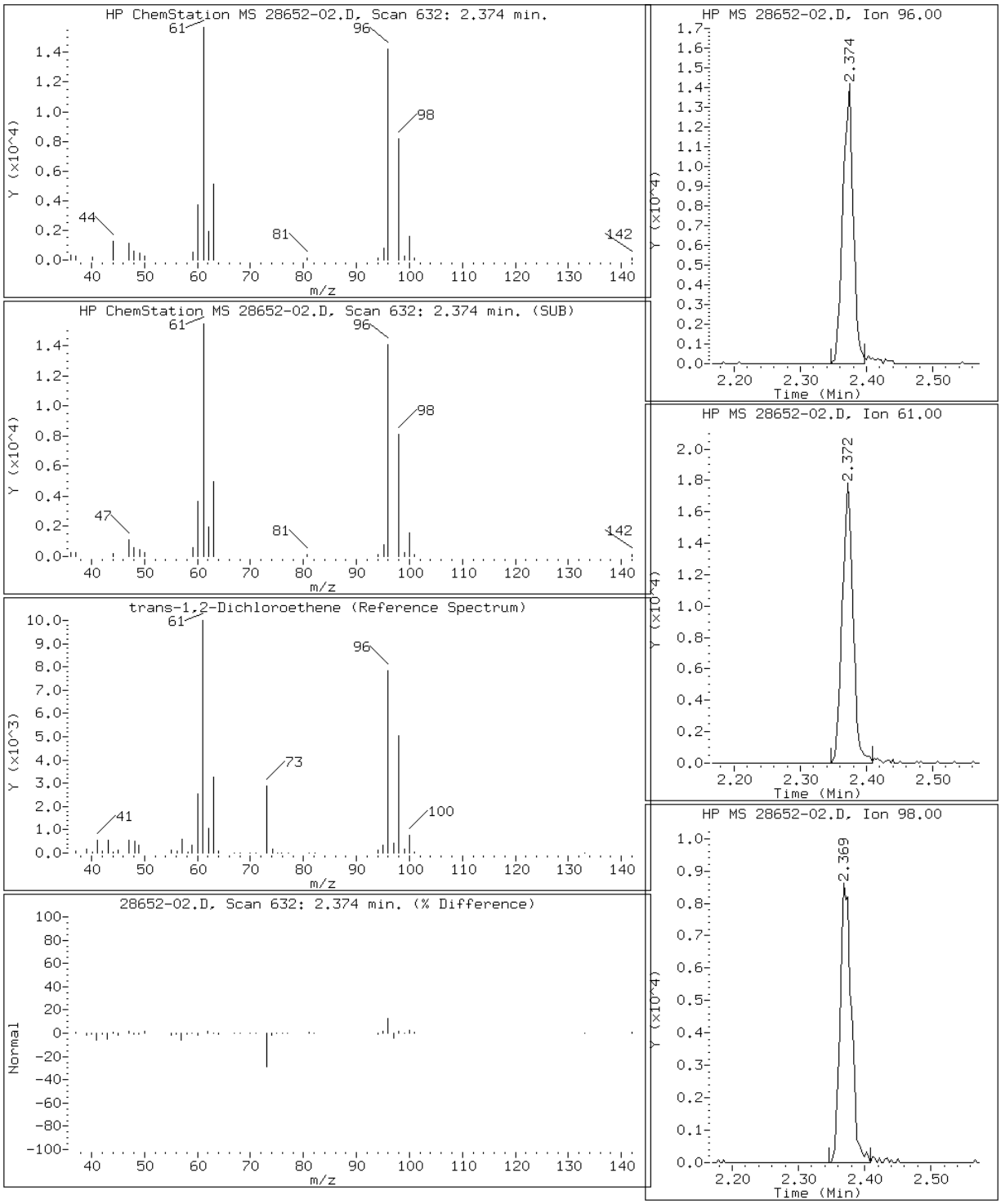
Data File: 28652-02.D

Date: 28-OCT-2010 16:53

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA

24 trans-1,2-Dichloroethene



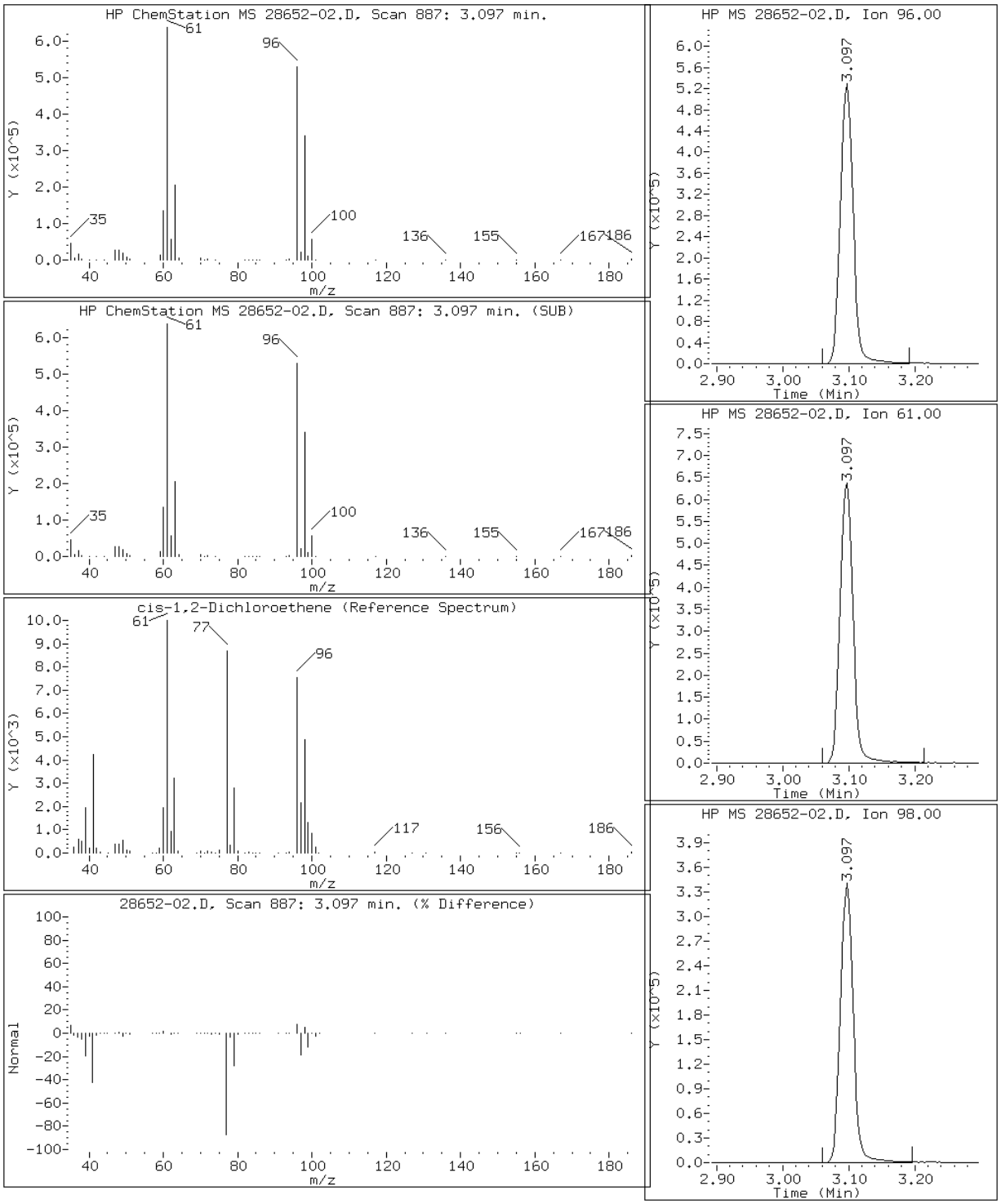
Data File: 28652-02.D

Date: 28-OCT-2010 16:53

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA

31 cis-1,2-Dichloroethene



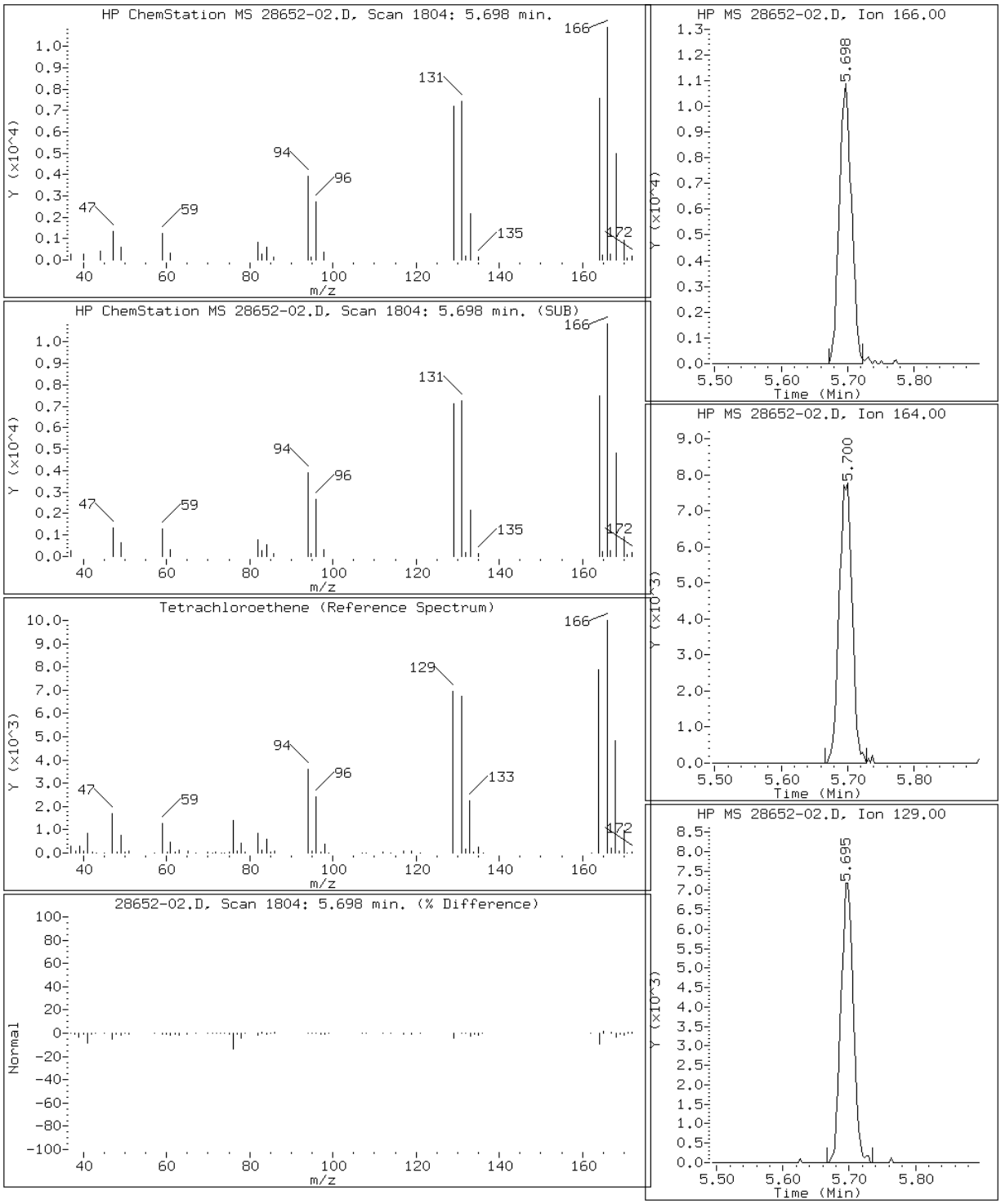
Data File: 28652-02.D

Date: 28-OCT-2010 16:53

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA

72 Tetrachloroethene



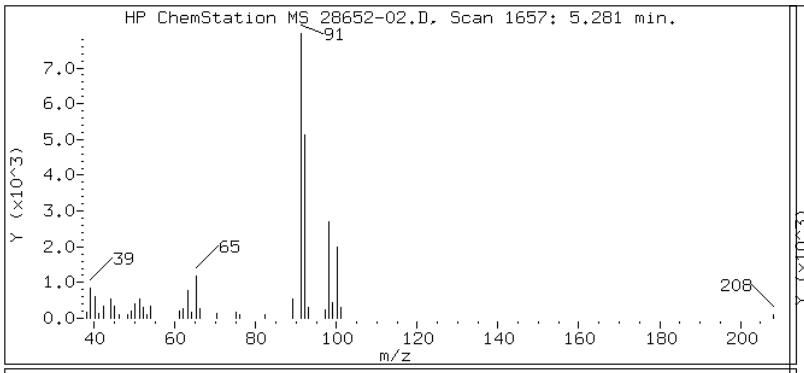
Data File: 28652-02.D

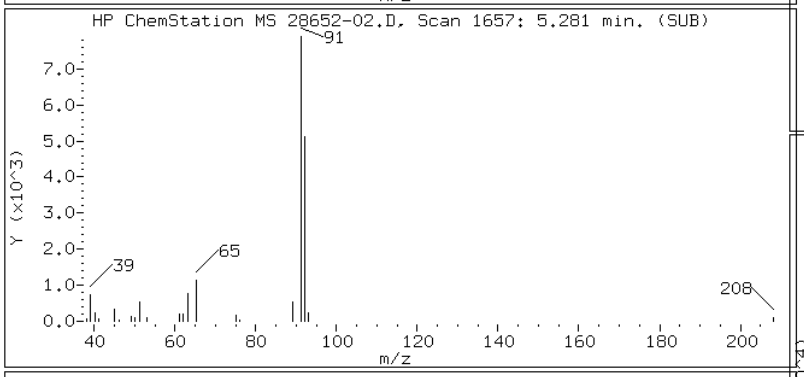
Date: 28-OCT-2010 16:53

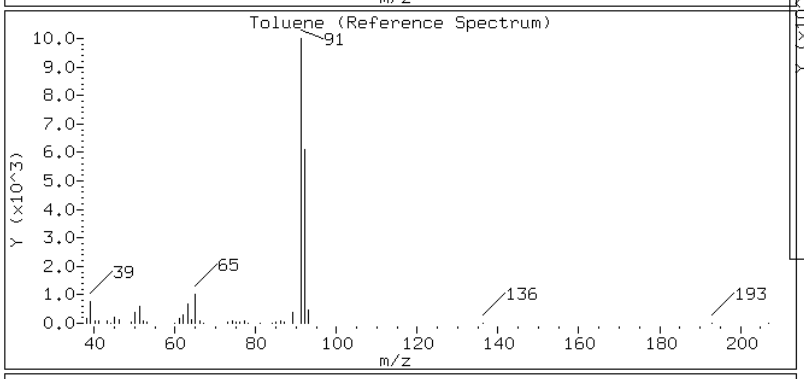
Client ID: VLF-MW-2 Instrument: ms22.i

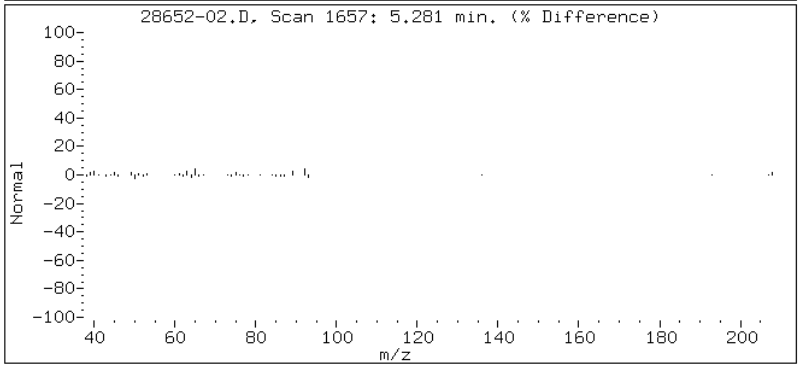
Sample Info: 500-28652-D-2 Operator: EA

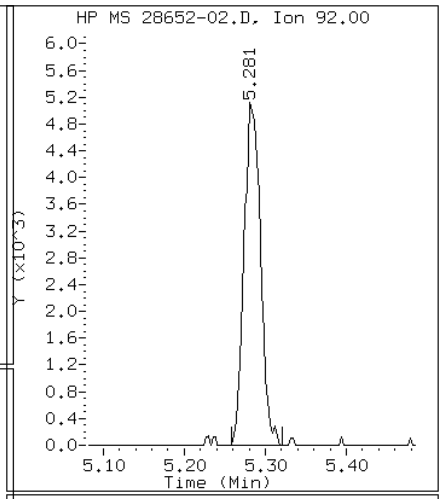
68 Toluene

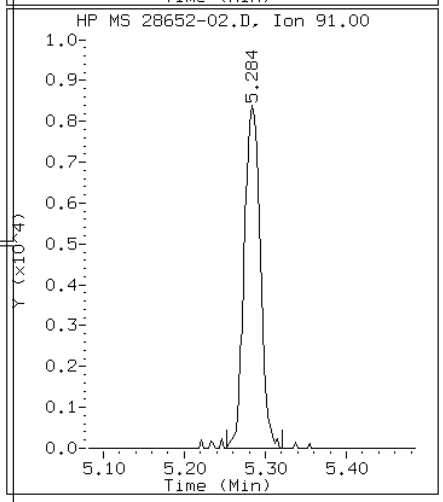












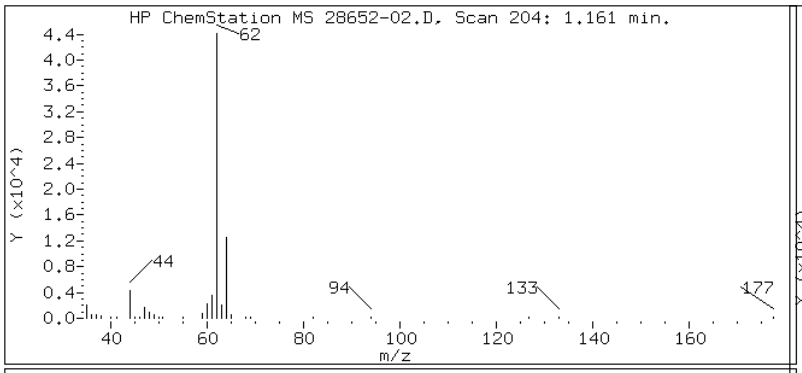
Data File: 28652-02.D

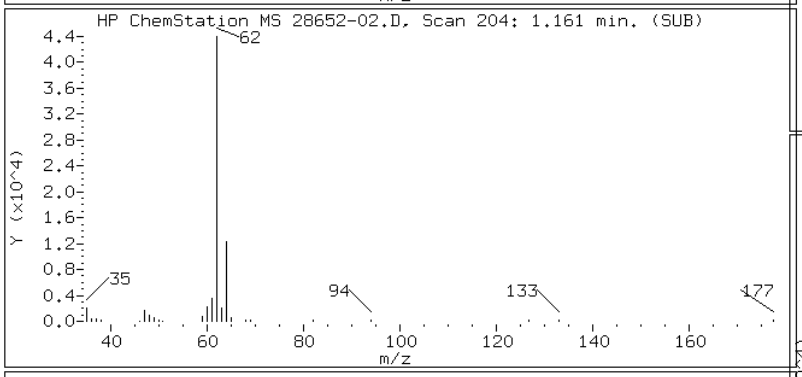
Date: 28-OCT-2010 16:53

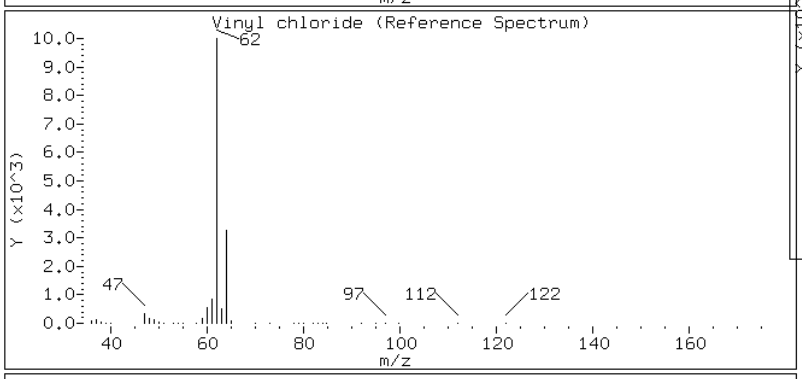
Client ID: VLF-MW-2 Instrument: ms22.i

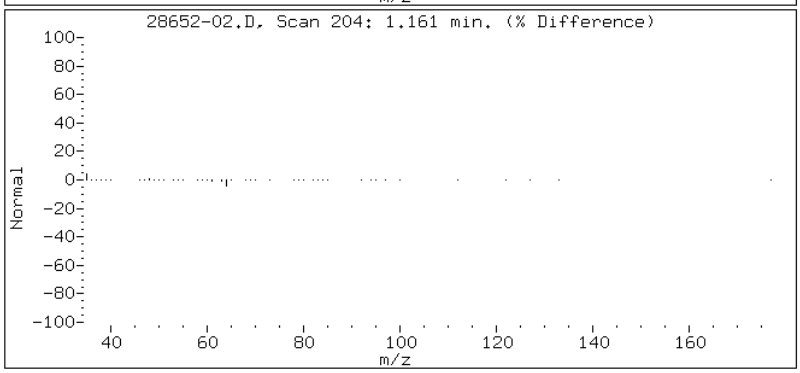
Sample Info: 500-28652-D-2 Operator: EA

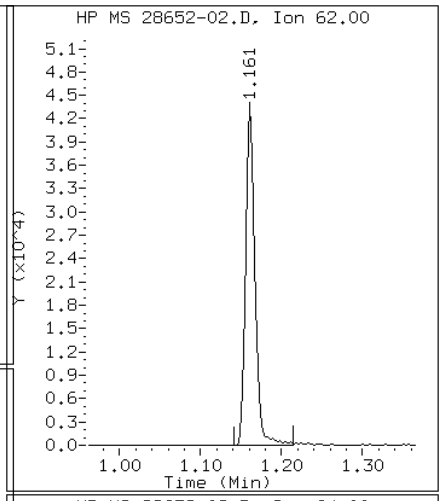
3 Vinyl chloride

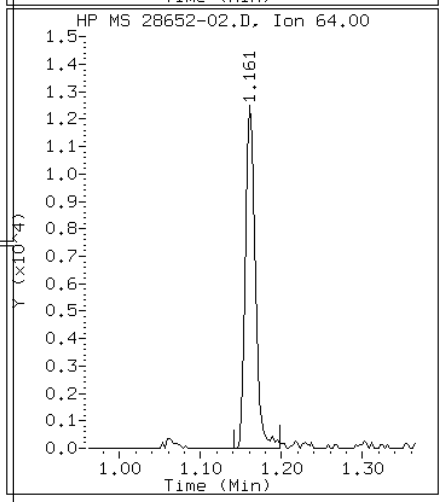












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID: VLF-MW-2 DL
Lab Sample ID: 500-28652-2 DL
Matrix: Water
Lab File ID: 28652-02A.D
Analysis Method: 8260B
Date Collected: 10/18/2010 15:45
Sample wt/vol: 10(mL)
Date Analyzed: 10/28/2010 17:16
Soil Aliquot Vol:
Dilution Factor: 200
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98381
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	6000		200	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-129
2037-26-5	Toluene-d8 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-115
1868-53-7	Dibromofluoromethane	96		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-02A.D
Lab Smp Id: 500-28652-D-2 Client Smp ID: VLF-MW-2
Inj Date : 28-OCT-2010 17:16
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-D-2
Misc Info : 500-28652-D-2
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 15
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

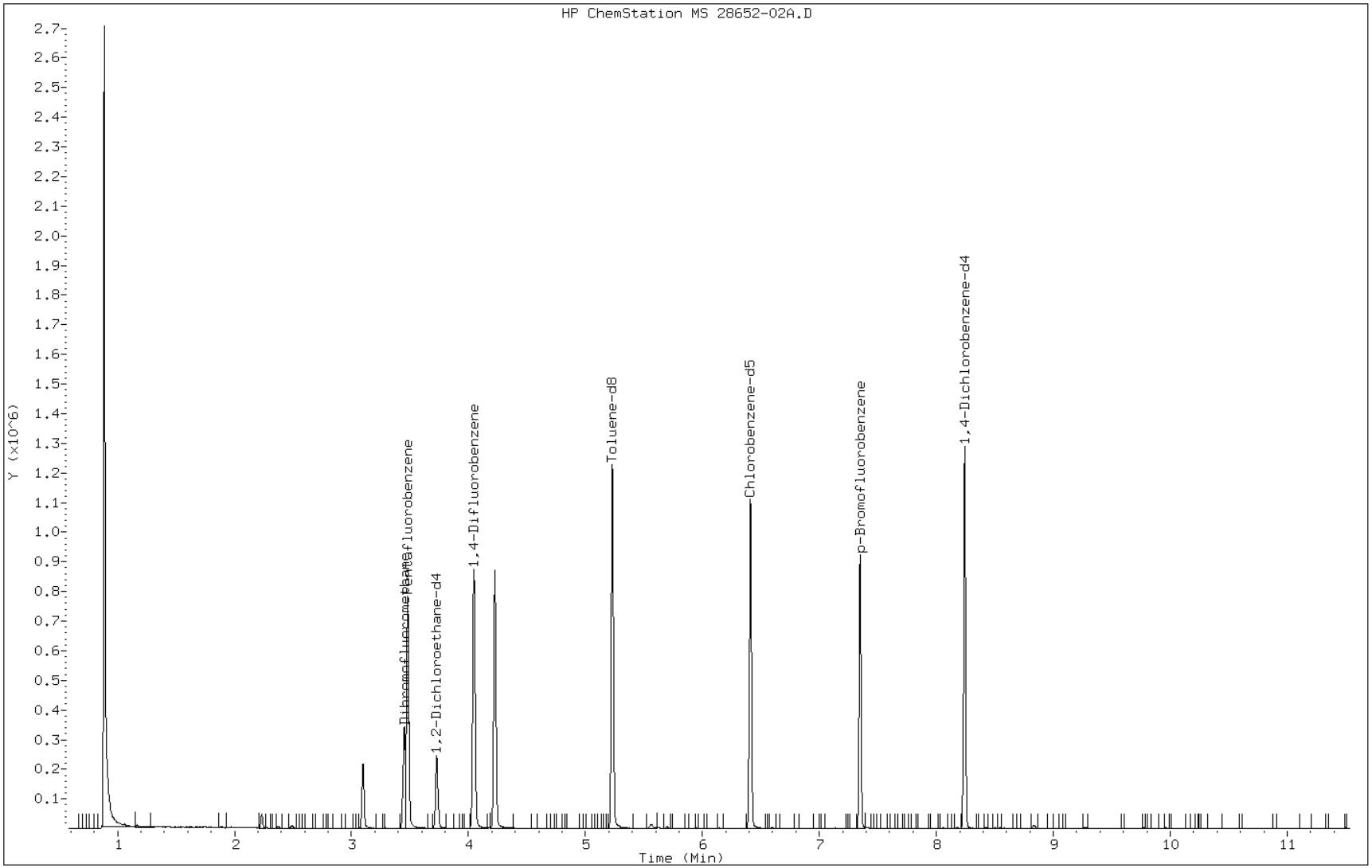
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.451	3.449	(0.992)	150053	23.8985	23.898
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	435903	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	127340	25.5896	25.590
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	592777	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	249315	30.1941	6038.8
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	646267	24.1222	24.122
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	502266	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	214411	23.1351	23.135
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	266950	25.0000	

Data File: 28652-02A.D

Date: 28-OCT-2010 17:16

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA



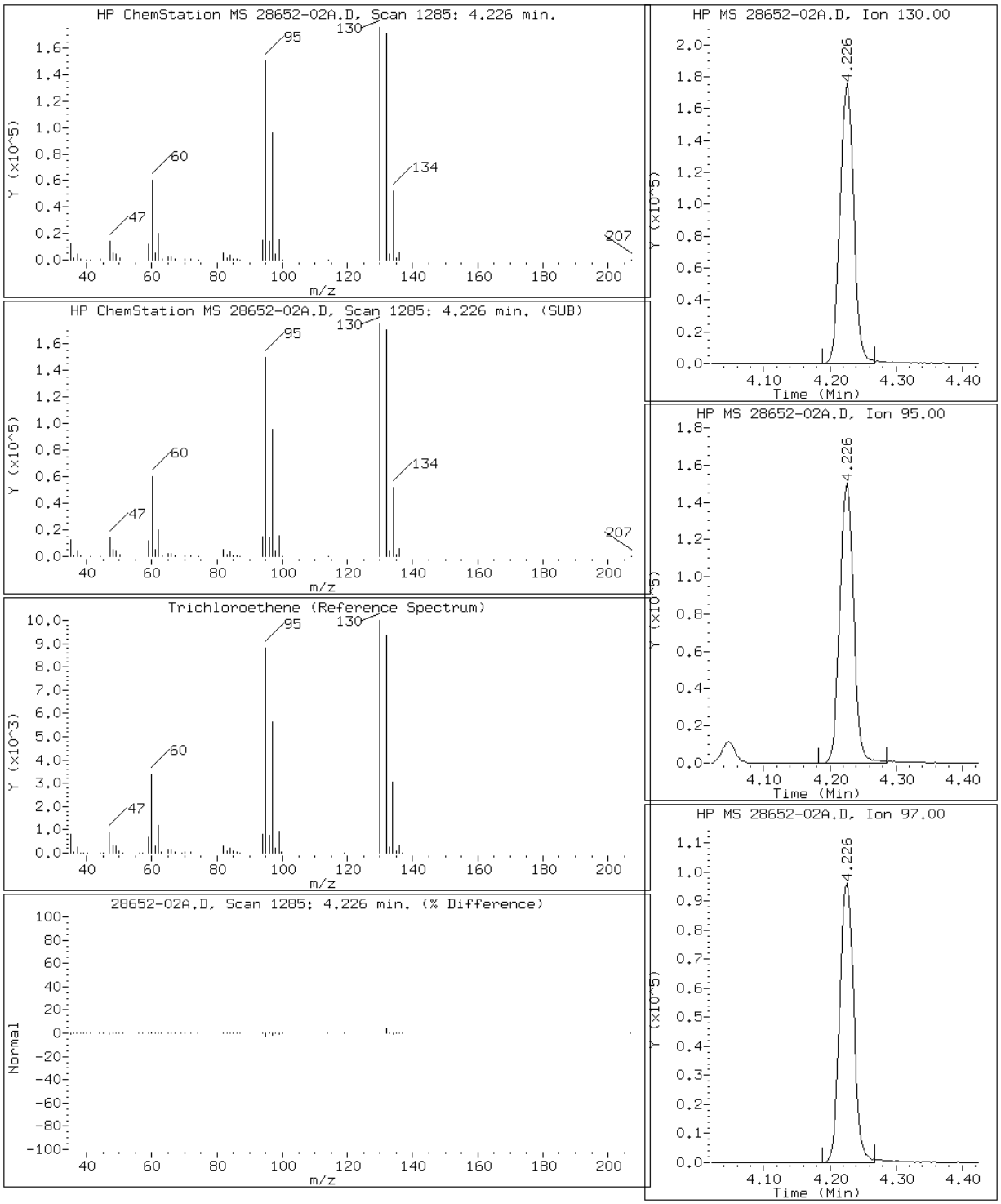
Data File: 28652-02A.D

Date: 28-OCT-2010 17:16

Client ID: VLF-MW-2 Instrument: ms22.i

Sample Info: 500-28652-D-2 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-3 | Lab Sample ID: 500-28652-3

Matrix: Water | Lab File ID: 28652-03.D

Analysis Method: 8260B | Date Collected: 10/18/2010 14:15

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 17:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	12		1.0	0.32
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
127-18-4	Tetrachloroethene	0.86	J	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	16		1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-129
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-115
1868-53-7	Dibromofluoromethane	99		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-03.D
Lab Smp Id: 500-28652-D-3 Client Smp ID: VLF-MW-3
Inj Date : 28-OCT-2010 17:39
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-D-3
Misc Info : 500-28652-D-3
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.160	1.163	(0.334)	104678	16.1920	16.192
13 1,1-Dichloroethene	96	1.886	1.880	(0.542)	3442	0.80372	0.8037
24 trans-1,2-Dichloroethene	96	2.371	2.368	(0.681)	81463	11.6387	11.639
27 1,1-Dichloroethane	63	2.689	2.686	(0.773)	19678	1.69576	1.696
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	1316533	180.445	180.44(A)
39 Tetrahydrofuran	42	3.284	3.281	(0.944)	2535	4.30733	4.307
40 Chloroform	83	3.324	3.321	(0.955)	17789	1.58046	1.580
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	160687	24.7028	24.703
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	451595	25.0000	
47 Carbon tetrachloride	117	3.511	3.514	(0.868)	6398	0.92800	0.9280
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	131789	25.6264	25.626
51 1,2-Dichloroethane	62	3.792	3.789	(0.937)	1548	0.26798	0.2680(a)
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	612606	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	1855675	217.463	217.46(A)
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	673872	24.3384	24.338
72 Tetrachloroethene	166	5.694	5.697	(0.888)	8429	0.85637	0.8564
* 78 Chlorobenzene-d5	117	6.412	6.409	(1.000)	520144	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	221697	23.0990	23.099
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	267602	25.0000	
M 115 1,2-Dichloroethene (total)	96				1397996	195.587	195.59

QC Flag Legend

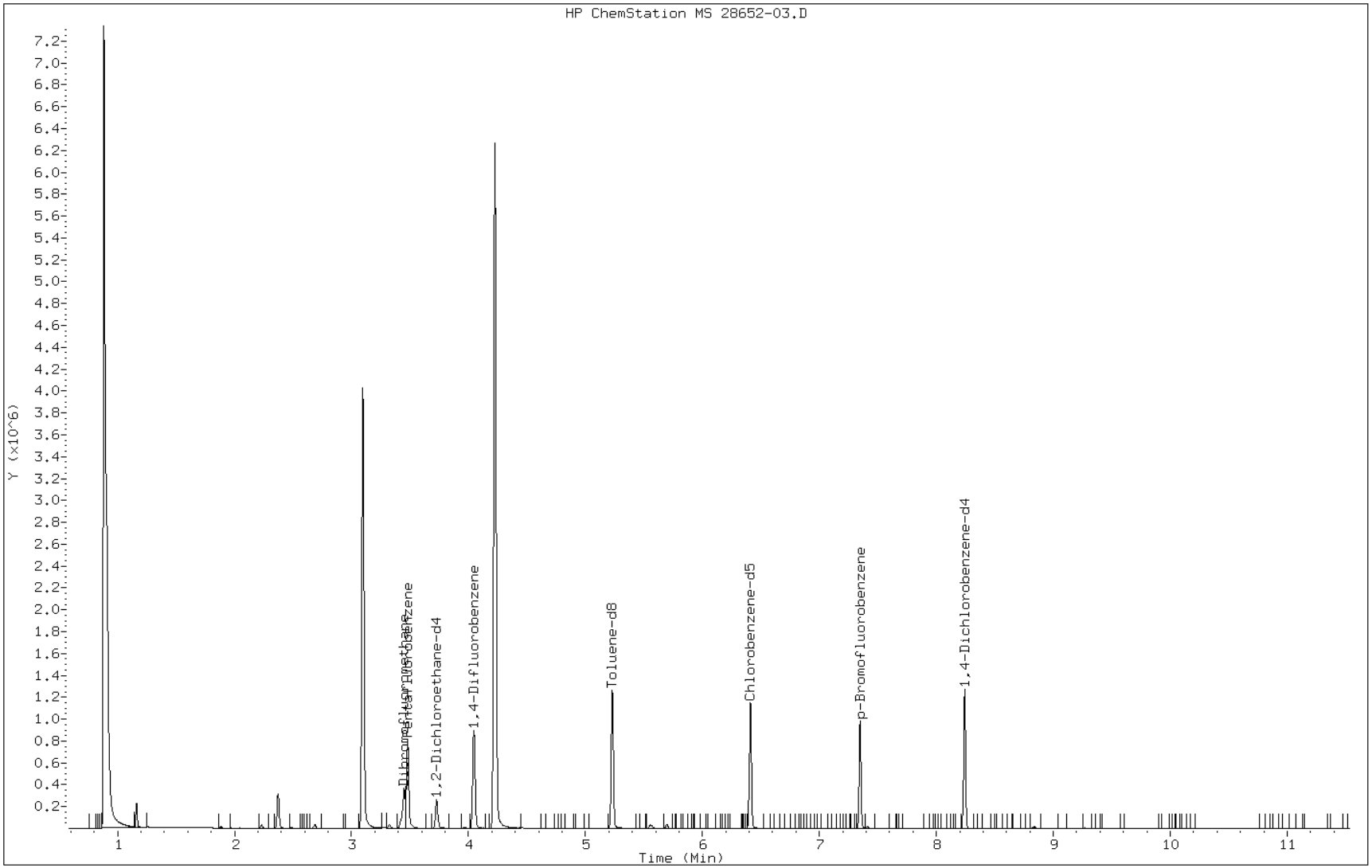
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: 28652-03.D

Date: 28-OCT-2010 17:39

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-D-3 Operator: EA



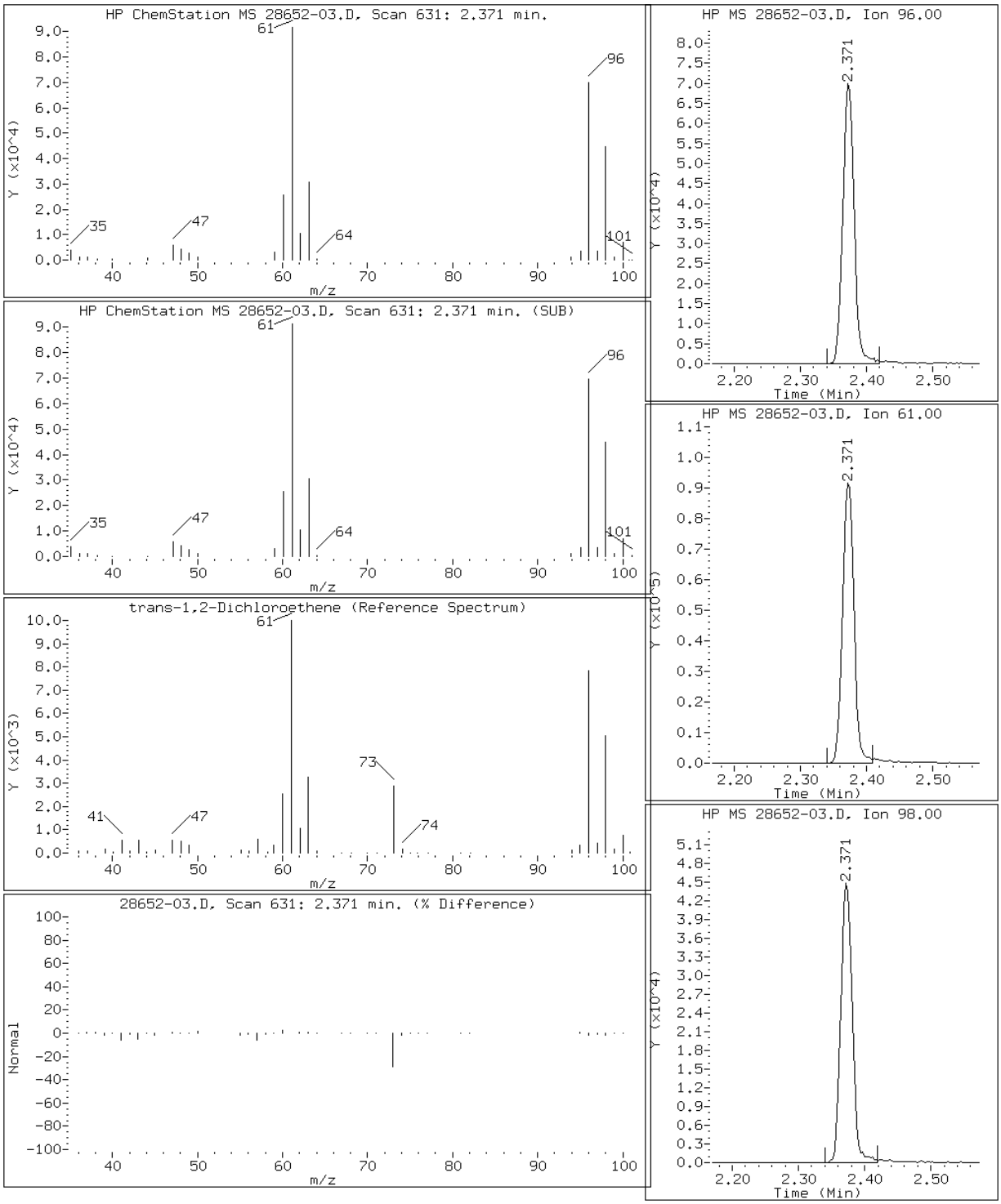
Data File: 28652-03.D

Date: 28-OCT-2010 17:39

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-D-3 Operator: EA

24 trans-1,2-Dichloroethene



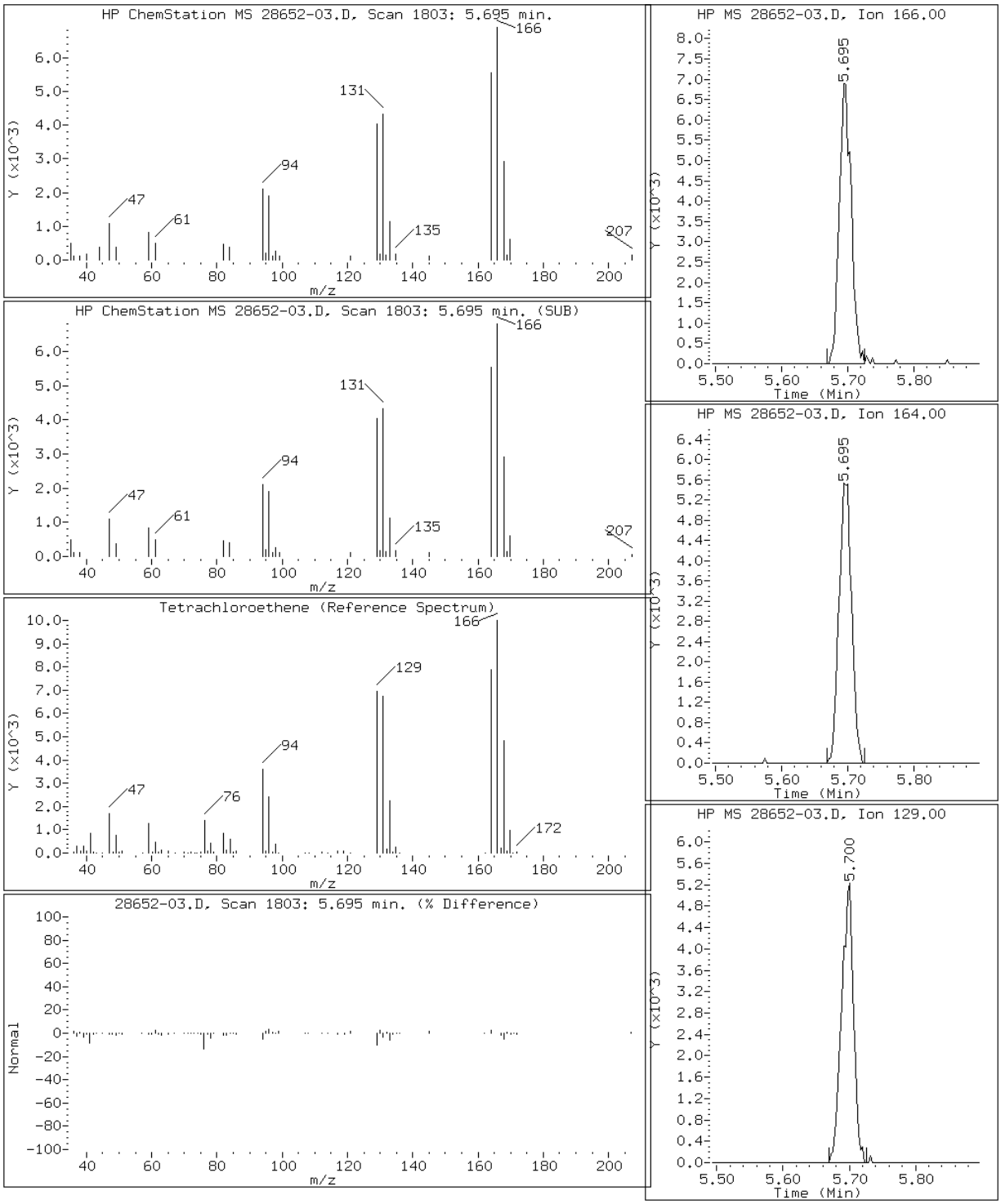
Data File: 28652-03.D

Date: 28-OCT-2010 17:39

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-D-3 Operator: EA

72 Tetrachloroethene



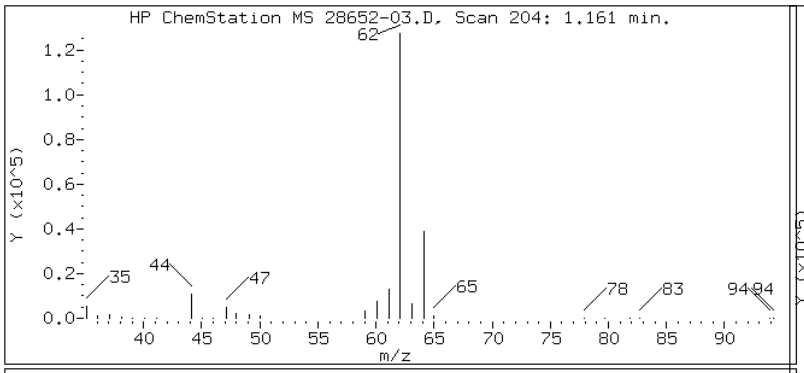
Data File: 28652-03.D

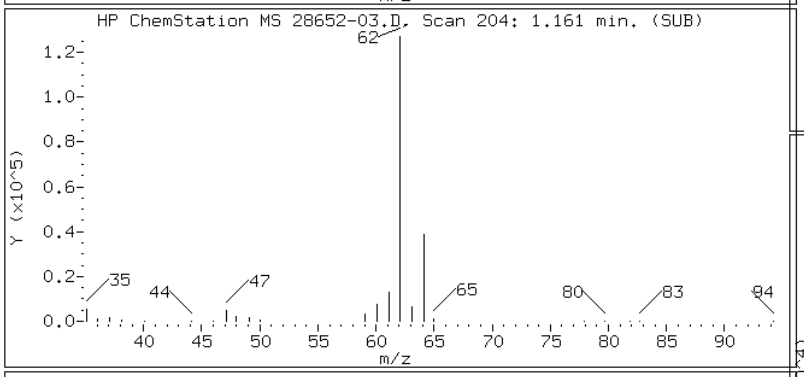
Date: 28-OCT-2010 17:39

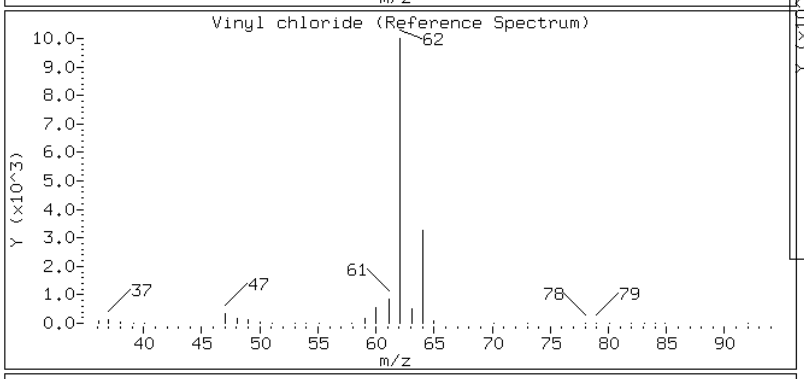
Client ID: VLF-MW-3 Instrument: ms22.i

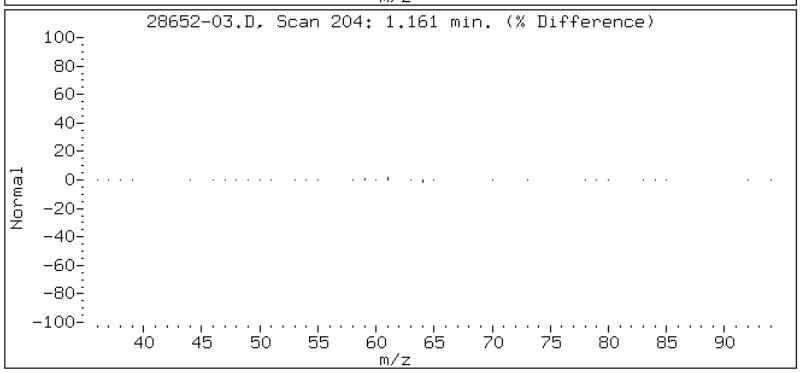
Sample Info: 500-28652-D-3 Operator: EA

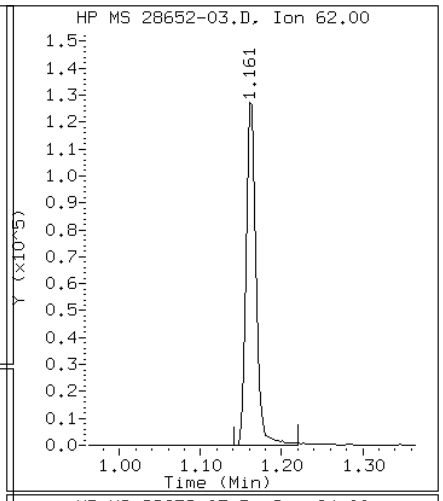
3 Vinyl chloride

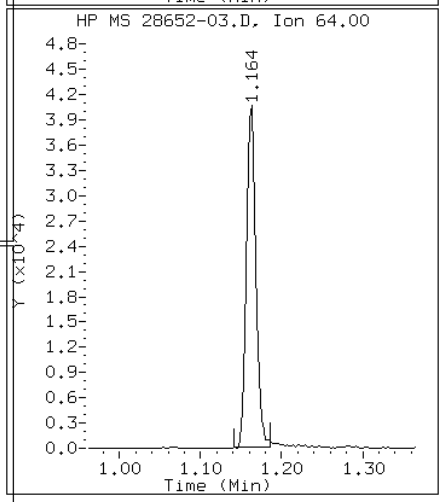












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-3 DL | Lab Sample ID: 500-28652-3 DL

Matrix: Water | Lab File ID: 28652-03A.D

Analysis Method: 8260B | Date Collected: 10/18/2010 14:15

Sample wt/vol: 10(mL) | Date Analyzed: 10/29/2010 14:56

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98526 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	180		5.0	1.4
79-01-6	Trichloroethene	230		5.0	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-129
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-115
1868-53-7	Dibromofluoromethane	101		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102910.b\28652-03A.D
Lab Smp Id: 500-28652-E-3 Client Smp ID: VLF-MW-3
Inj Date : 29-OCT-2010 14:56
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-e-3
Misc Info : 500-28652-E-3
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102910.b\water22.m
Meth Date : 29-Oct-2010 14:33 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

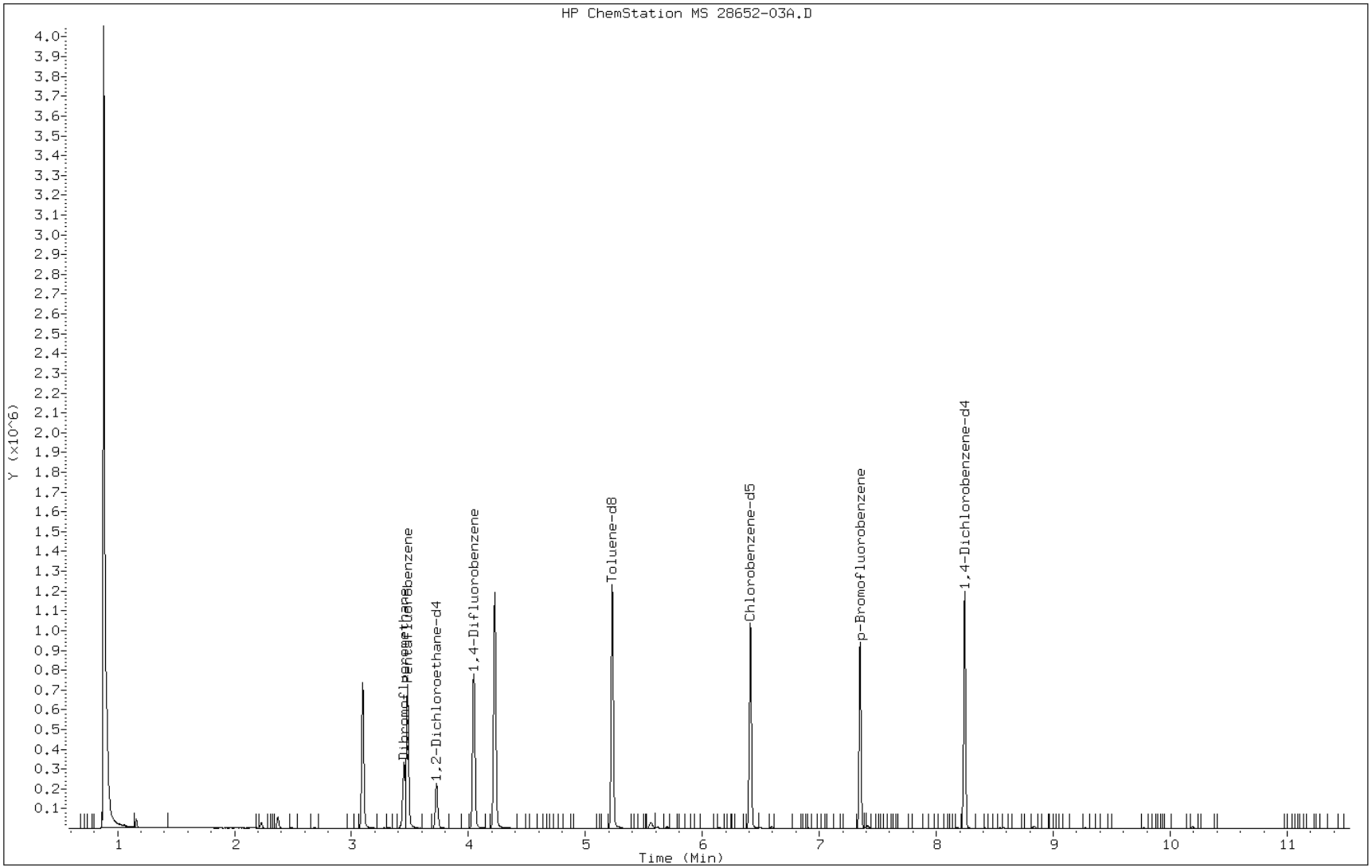
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	239703	36.4086	182.04
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	148567	25.3109	25.311
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	407503	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.726	(0.921)	120227	26.3503	26.350
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	543509	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	351021	46.3651	231.82
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	651257	26.5119	26.512
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	471977	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	219056	25.1531	25.153
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	251814	25.0000	
M 115 1,2-Dichloroethene (total)	96				239703	37.1643	185.82

Data File: 28652-03A.D

Date: 29-OCT-2010 14:56

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-e-3 Operator: EA



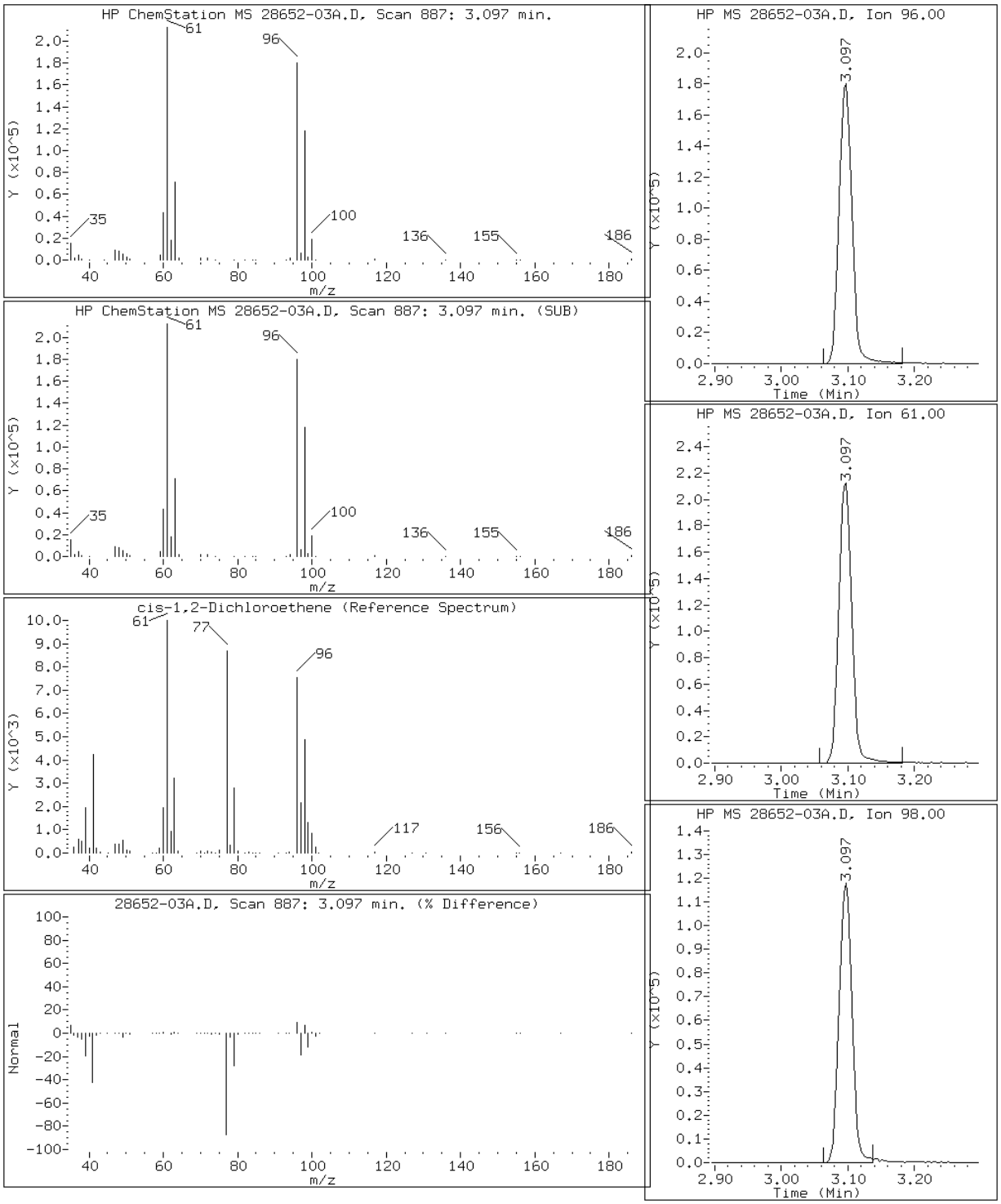
Data File: 28652-03A.D

Date: 29-OCT-2010 14:56

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-e-3 Operator: EA

31 cis-1,2-Dichloroethene



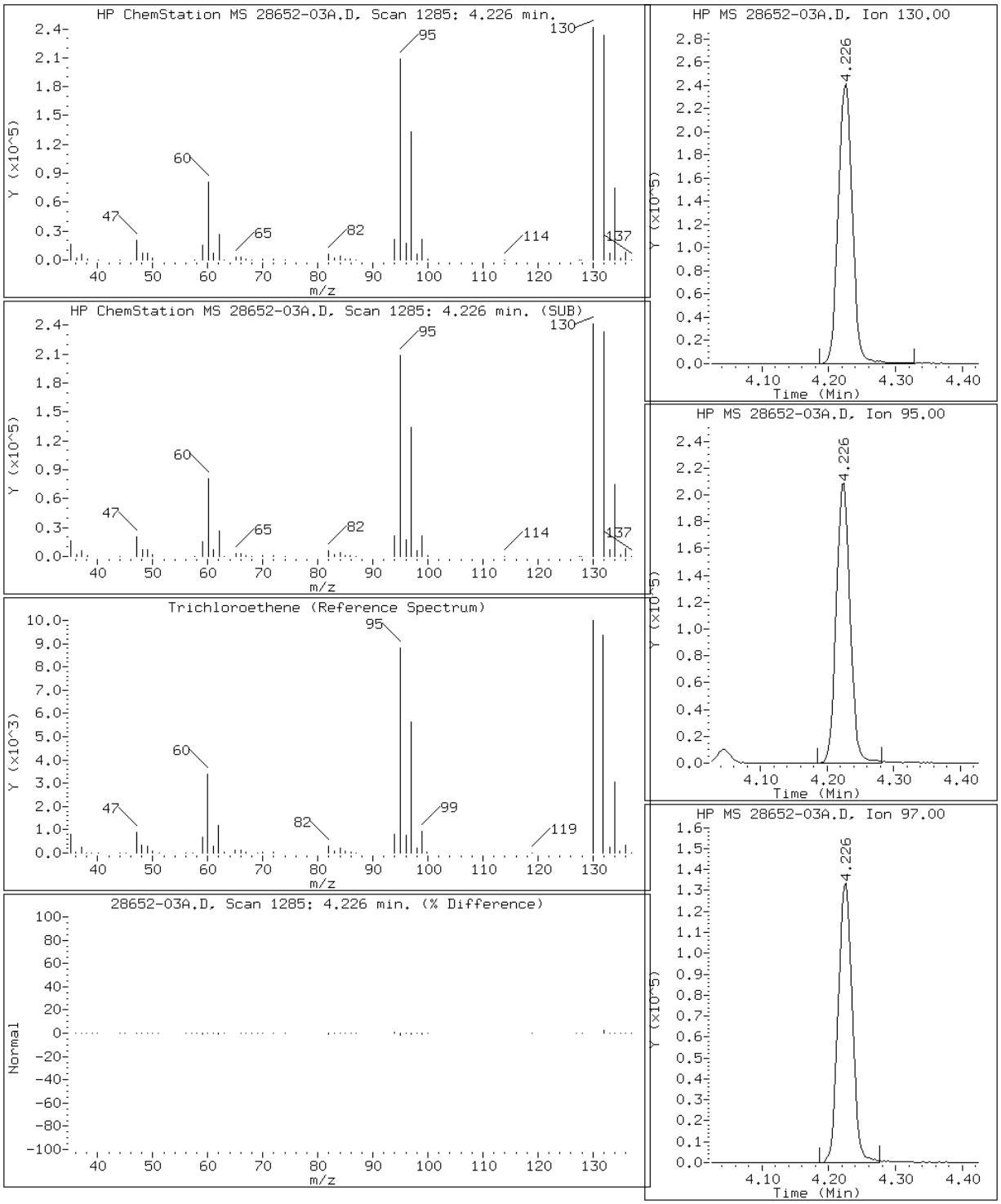
Data File: 28652-03A.D

Date: 29-OCT-2010 14:56

Client ID: VLF-MW-3 Instrument: ms22.i

Sample Info: 500-28652-e-3 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-4 | Lab Sample ID: 500-28652-4

Matrix: Water | Lab File ID: 28652-04.D

Analysis Method: 8260B | Date Collected: 10/18/2010 18:10

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 18:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	1.3		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	42		1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	18		1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.33	J	1.0	0.19
75-01-4	Vinyl chloride	14		1.0	0.20
1330-20-7	Xylenes, Total	0.55	J	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-129
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-115
1868-53-7	Dibromofluoromethane	101		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-04.D
Lab Smp Id: 500-28652-C-4 Client Smp ID: VLF-MW-4
Inj Date : 28-OCT-2010 18:02
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-4
Misc Info : 500-28652-C-4
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.166	1.163	(0.335)	82405	13.9420	13.942
15 Acetone	43	1.971	1.974	(0.567)	25605	68.6417	68.642
17 Carbon Disulfide	76	2.019	2.014	(0.580)	35010	2.87747	2.877(a)
24 trans-1,2-Dichloroethene	96	2.374	2.368	(0.682)	8172	1.27702	1.277
31 cis-1,2-Dichloroethene	96	3.100	3.094	(0.891)	278612	41.7675	41.768
33 2-Butanone	43	3.131	3.128	(0.900)	12313	16.1907	16.191
$ 41 Dibromofluoromethane	113	3.451	3.449	(0.992)	150856	25.3662	25.366
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	412879	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	124836	26.6735	26.674
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	557506	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	141777	18.2567	18.257
66 4-Methyl-2-pentanone	43	5.189	5.190	(1.282)	15172	10.1898	10.190
$ 67 Toluene-d8	98	5.232	5.229	(1.293)	644485	25.5776	25.578
68 Toluene	92	5.286	5.283	(1.306)	5364	0.33142	0.3314(a)
74 2-Hexanone	43	5.870	5.870	(0.916)	4451	3.89472	3.895(a)
* 78 Chlorobenzene-d5	117	6.412	6.409	(1.000)	471848	25.0000	
83 p,m-Xylene	91	6.590	6.593	(1.028)	13551	0.54562	0.5456
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	214453	24.6313	24.631
* 104 1,4-Dichlorobenzene-d4	152	8.243	8.241	(1.000)	247752	25.0000	
112 Naphthalene	128	9.967	9.968	(1.209)	236661	17.9425	17.942
M 115 1,2-Dichloroethene (total)	96				286784	43.8850	43.885
M 116 Xylene (total)	100				13551	0.56157	0.5616(a)

QC Flag Legend

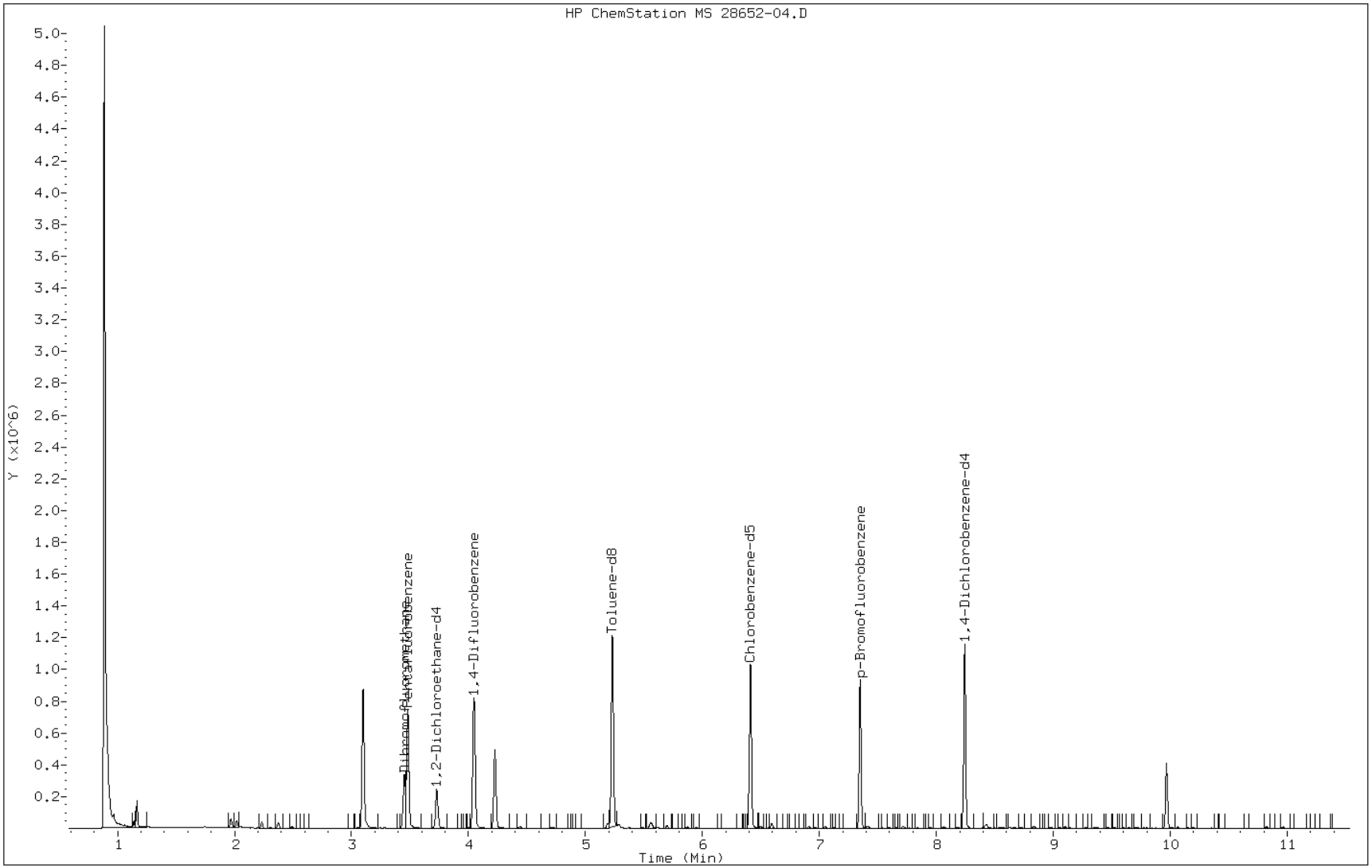
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 28652-04.D

Date: 28-OCT-2010 18:02

Client ID: VLF-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-4 Operator: EA



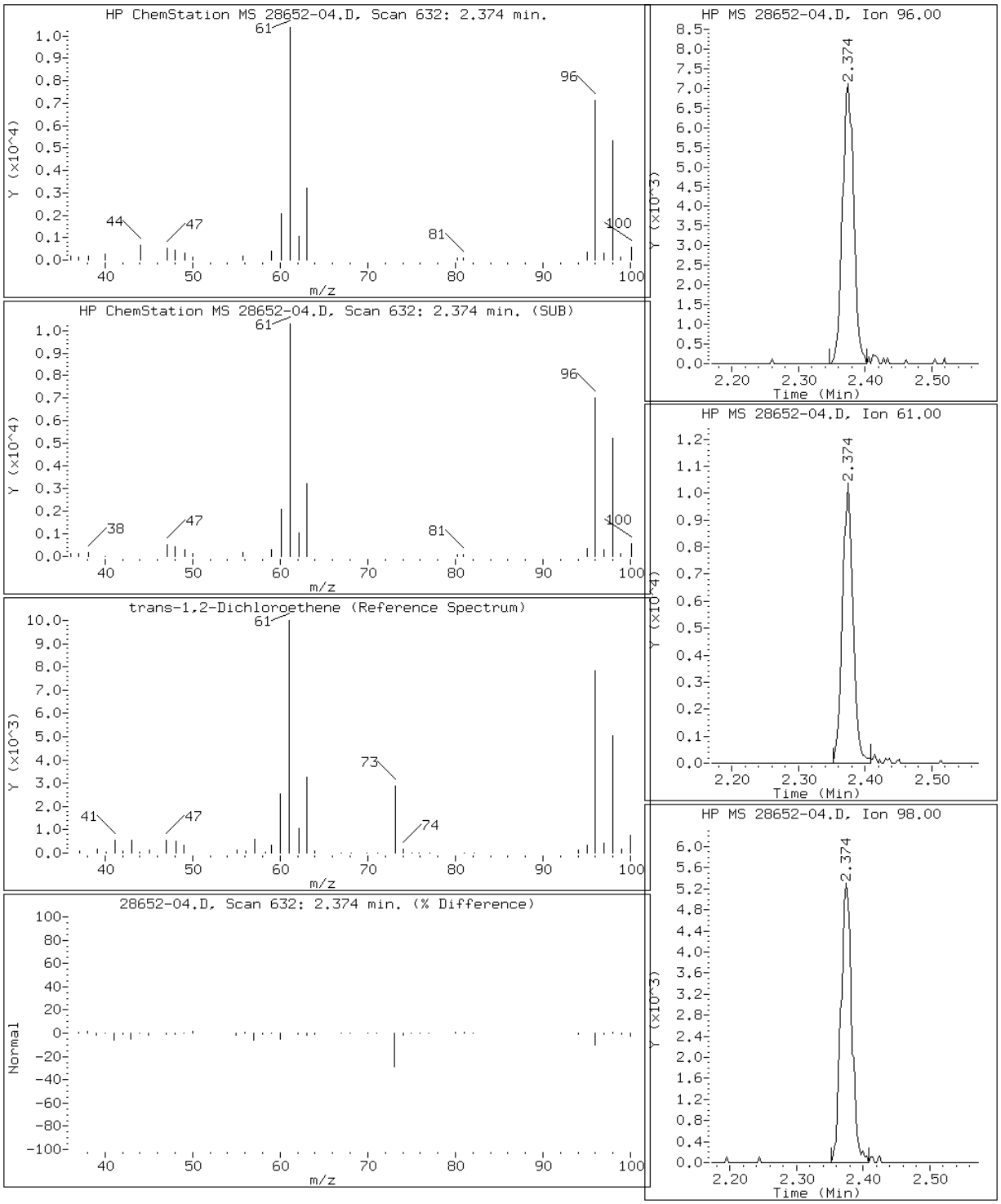
Data File: 28652-04.D

Date: 28-OCT-2010 18:02

Client ID: VLF-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-4 Operator: EA

24 trans-1,2-Dichloroethene



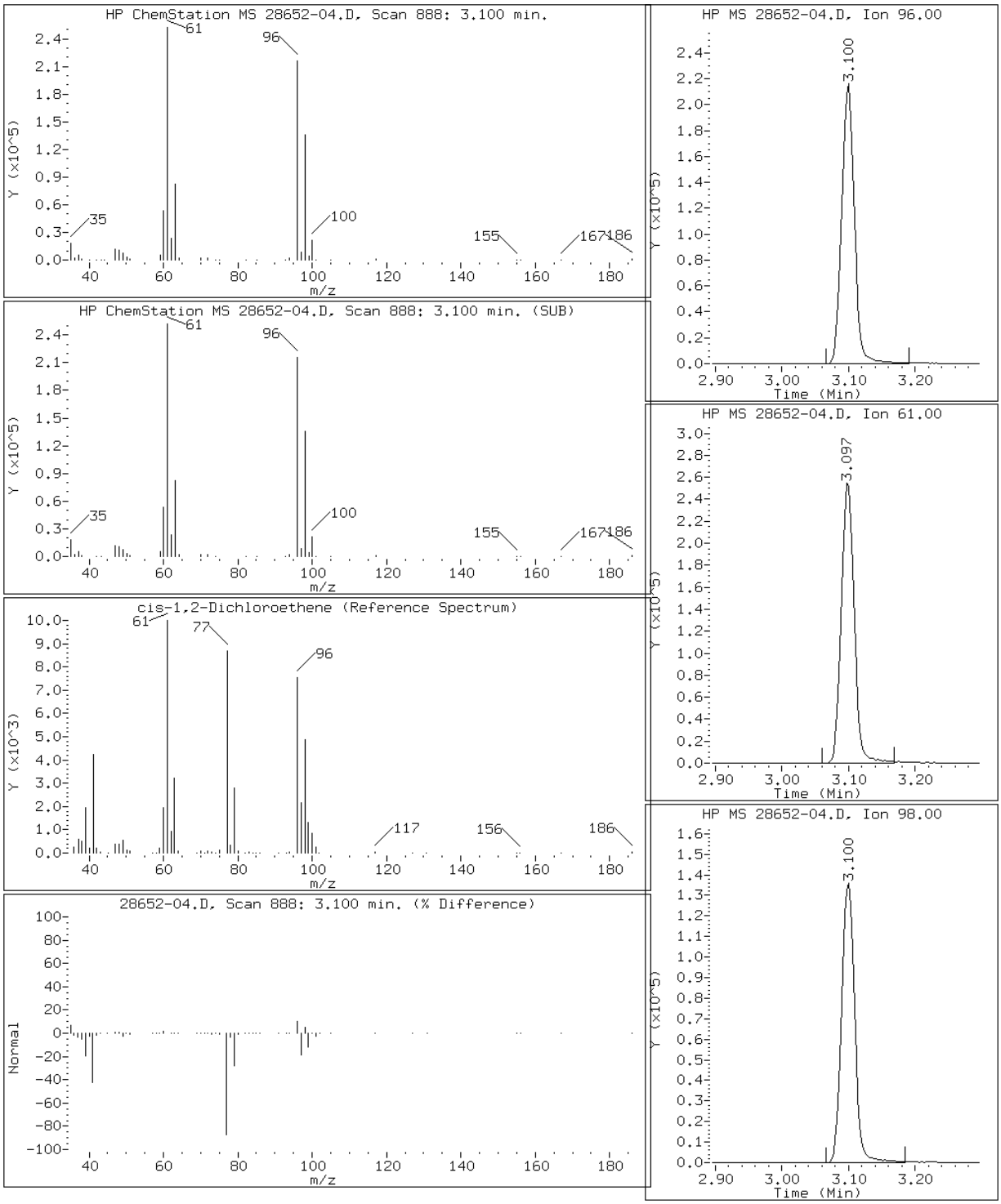
Data File: 28652-04.D

Date: 28-OCT-2010 18:02

Client ID: VLF-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-4 Operator: EA

31 cis-1,2-Dichloroethene



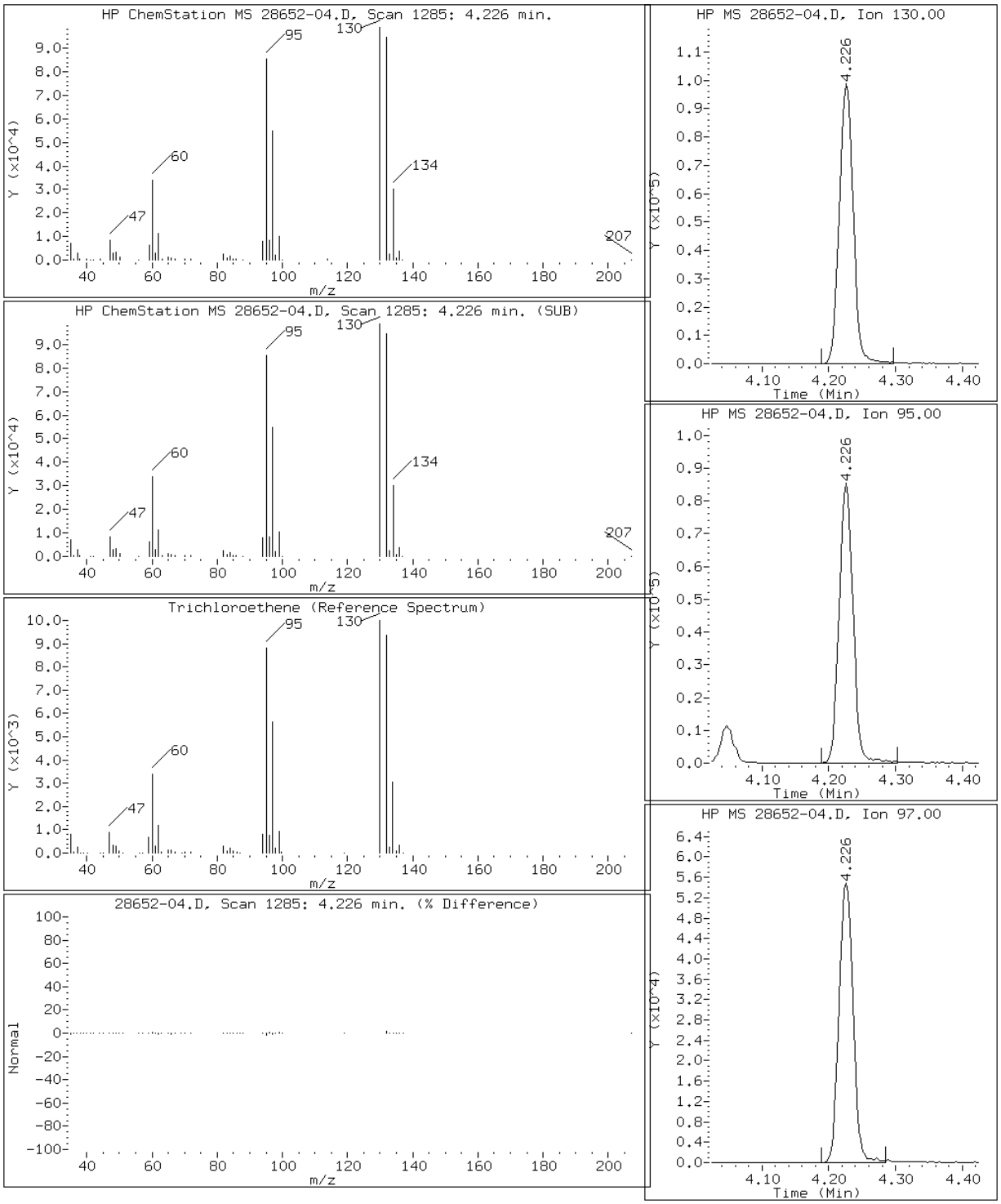
Data File: 28652-04.D

Date: 28-OCT-2010 18:02

Client ID: VLF-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-4 Operator: EA

57 Trichloroethene



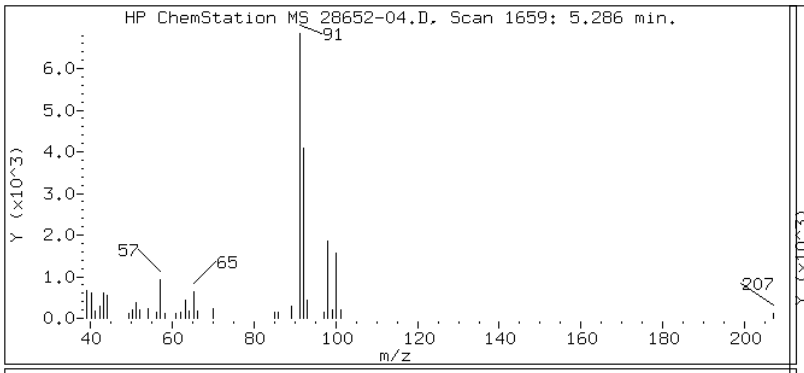
Data File: 28652-04.D

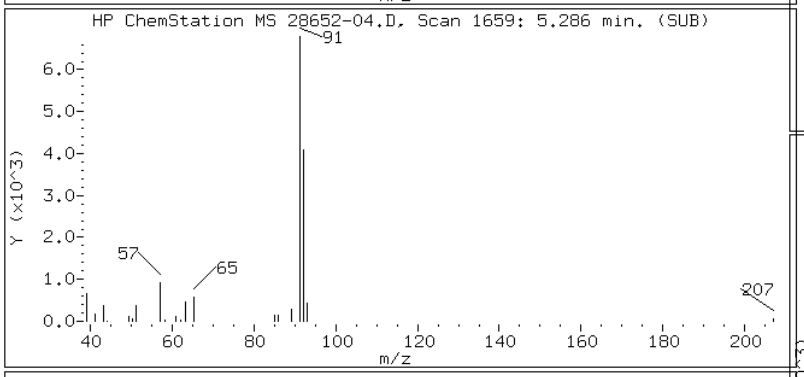
Date: 28-OCT-2010 18:02

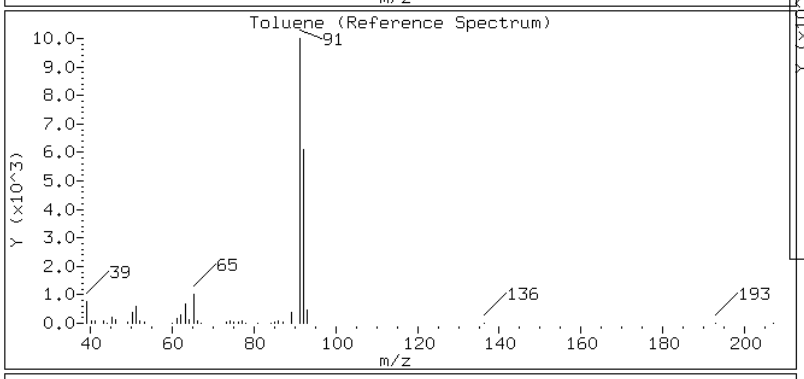
Client ID: VLF-MW-4 Instrument: ms22.i

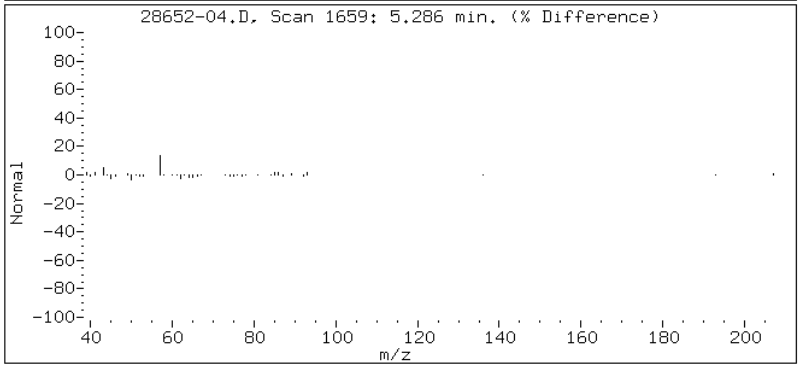
Sample Info: 500-28652-C-4 Operator: EA

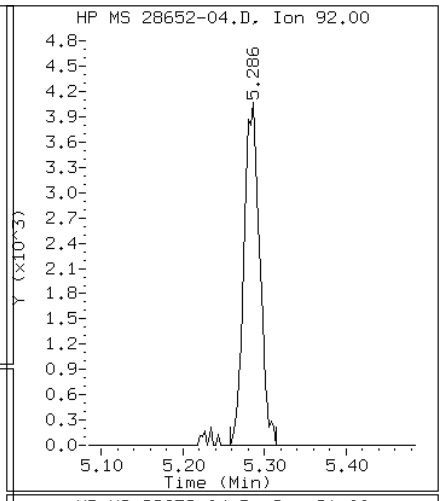
68 Toluene

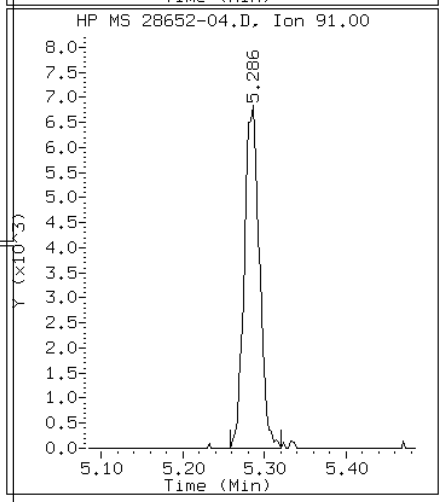












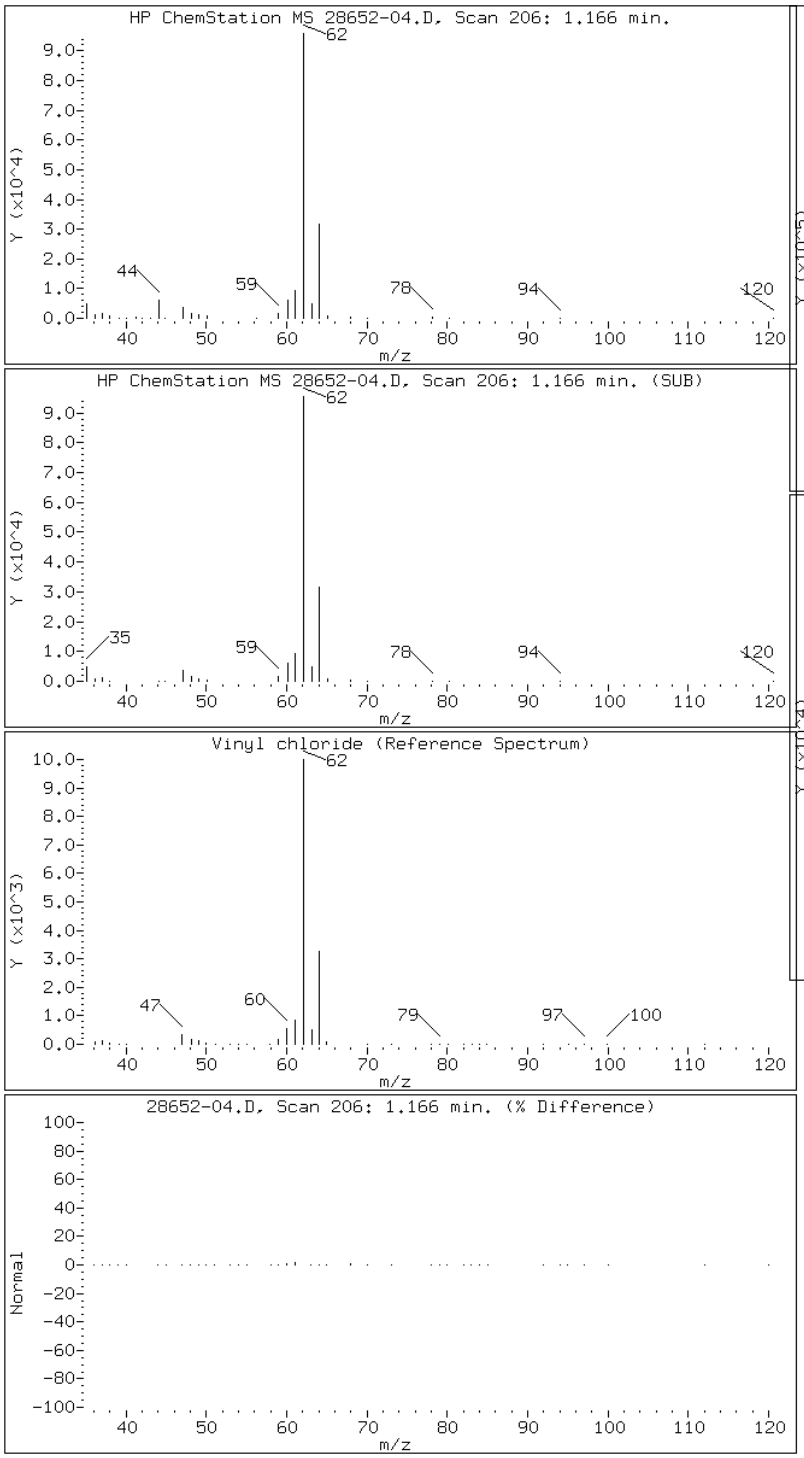
Data File: 28652-04.D

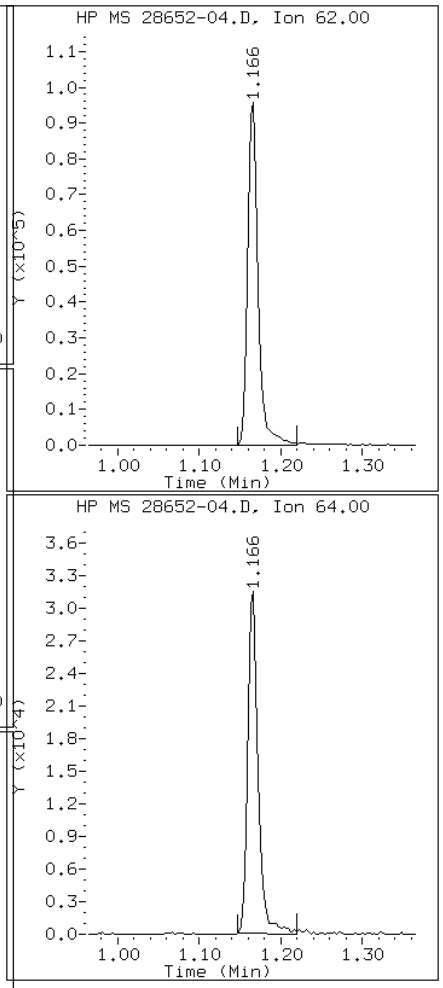
Date: 28-OCT-2010 18:02

Client ID: VLF-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-4 Operator: EA

3 Vinyl chloride





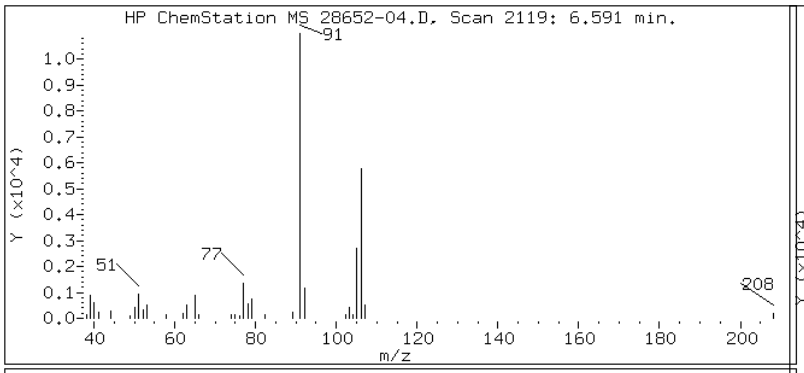
Data File: 28652-04.D

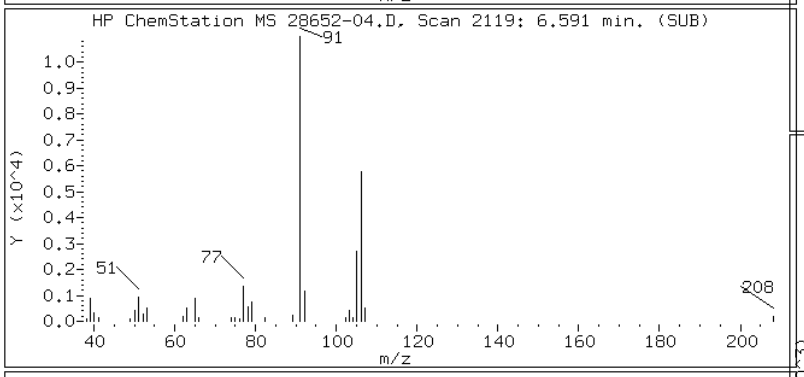
Date: 28-OCT-2010 18:02

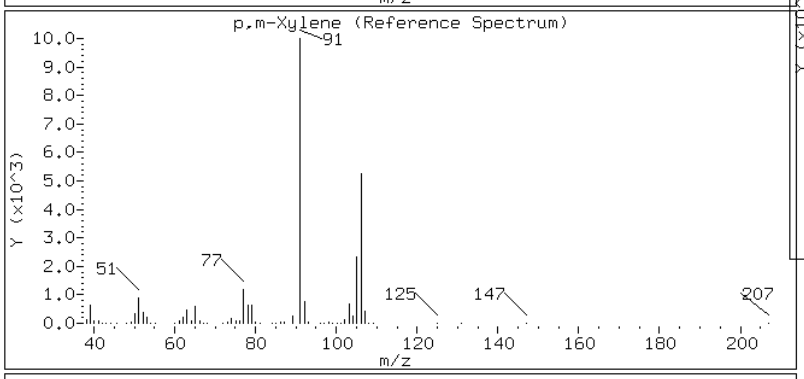
Client ID: VLF-MW-4 Instrument: ms22.i

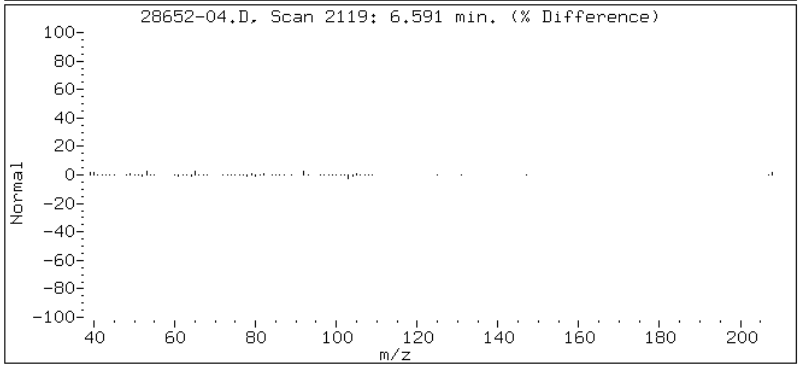
Sample Info: 500-28652-C-4 Operator: EA

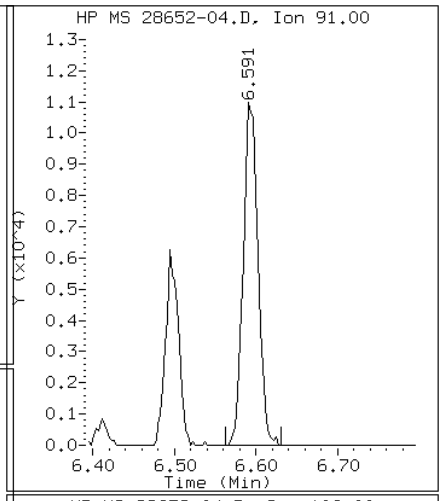
83 p,m-Xylene

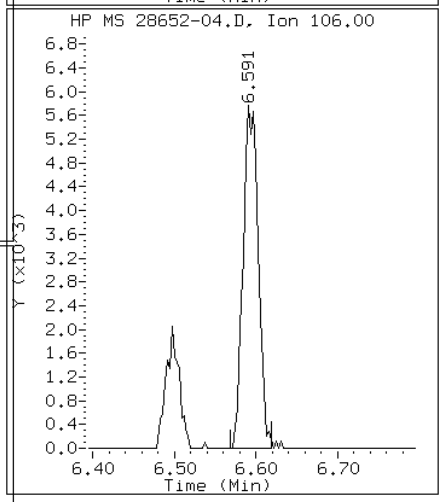












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-2 DUP | Lab Sample ID: 500-28652-5

Matrix: Water | Lab File ID: 28652-05.D

Analysis Method: 8260B | Date Collected: 10/18/2010 15:45

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 18:25

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	3.4	U	20	3.4
156-60-5	trans-1,2-Dichloroethene	36		20	6.4
156-59-2	cis-1,2-Dichloroethene	1700		20	5.4
100-41-4	Ethylbenzene	3.6	U	20	3.6
127-18-4	Tetrachloroethene	23		20	4.4
108-88-3	Toluene	6.6	J	20	3.8
75-01-4	Vinyl chloride	88		20	4.0
1330-20-7	Xylenes, Total	6.4	U	40	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-129
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-115
1868-53-7	Dibromofluoromethane	98		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-05.D
Lab Smp Id: 500-28652-A-5 Client Smp ID: VLF-MW-2 DUP
Inj Date : 28-OCT-2010 18:25
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-A-5
Misc Info : 500-28652-A-5
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 18
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.160	1.163	(0.333)	29379	4.37753	87.550
13 1,1-Dichloroethene	96	1.883	1.880	(0.541)	7485	1.68357	33.671
15 Acetone	43	1.971	1.974	(0.567)	4851	10.5370	210.74
24 trans-1,2-Dichloroethene	96	2.371	2.368	(0.681)	13223	1.81979	36.396
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	644311	85.0659	1701.3
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	166212	24.6137	24.614
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	468815	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	139015	26.1762	26.176
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	632624	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.045)	2149814	243.961	4879.2(A)
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	695375	24.3203	24.320
68 Toluene	92	5.286	5.283	(1.307)	6095	0.33187	6.637(aH)
72 Tetrachloroethene	166	5.694	5.697	(0.889)	11638	1.15609	23.122
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	531978	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	229104	23.3398	23.340
* 104 1,4-Dichlorobenzene-d4	152	8.243	8.241	(1.000)	279731	25.0000	
M 115 1,2-Dichloroethene (total)	96				657534	88.6136	1772.3

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: 28652-05.D

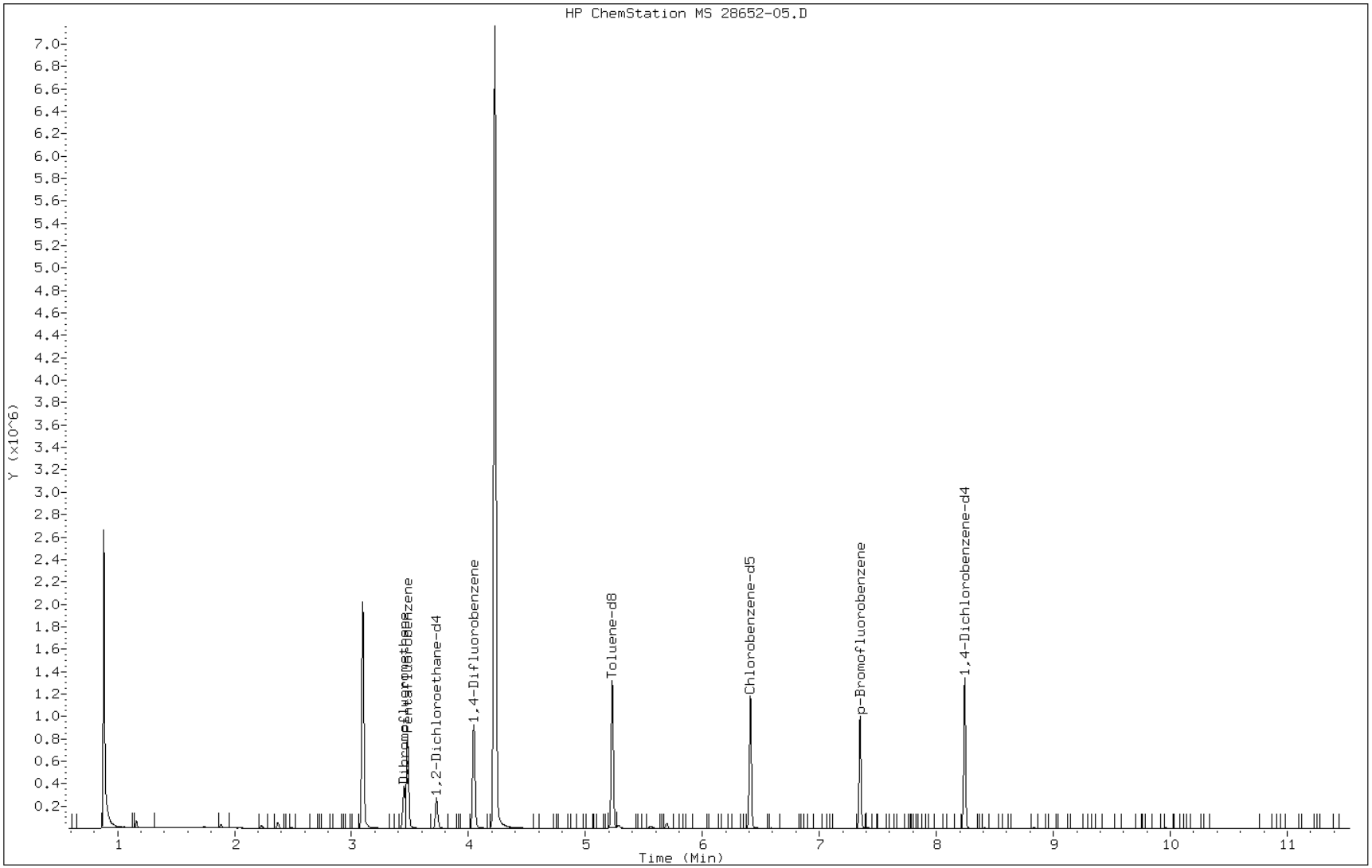
Date: 28-OCT-2010 18:25

Client ID: VLF-MW-2 DUP

Instrument: ms22.i

Sample Info: 500-28652-A-5

Operator: EA



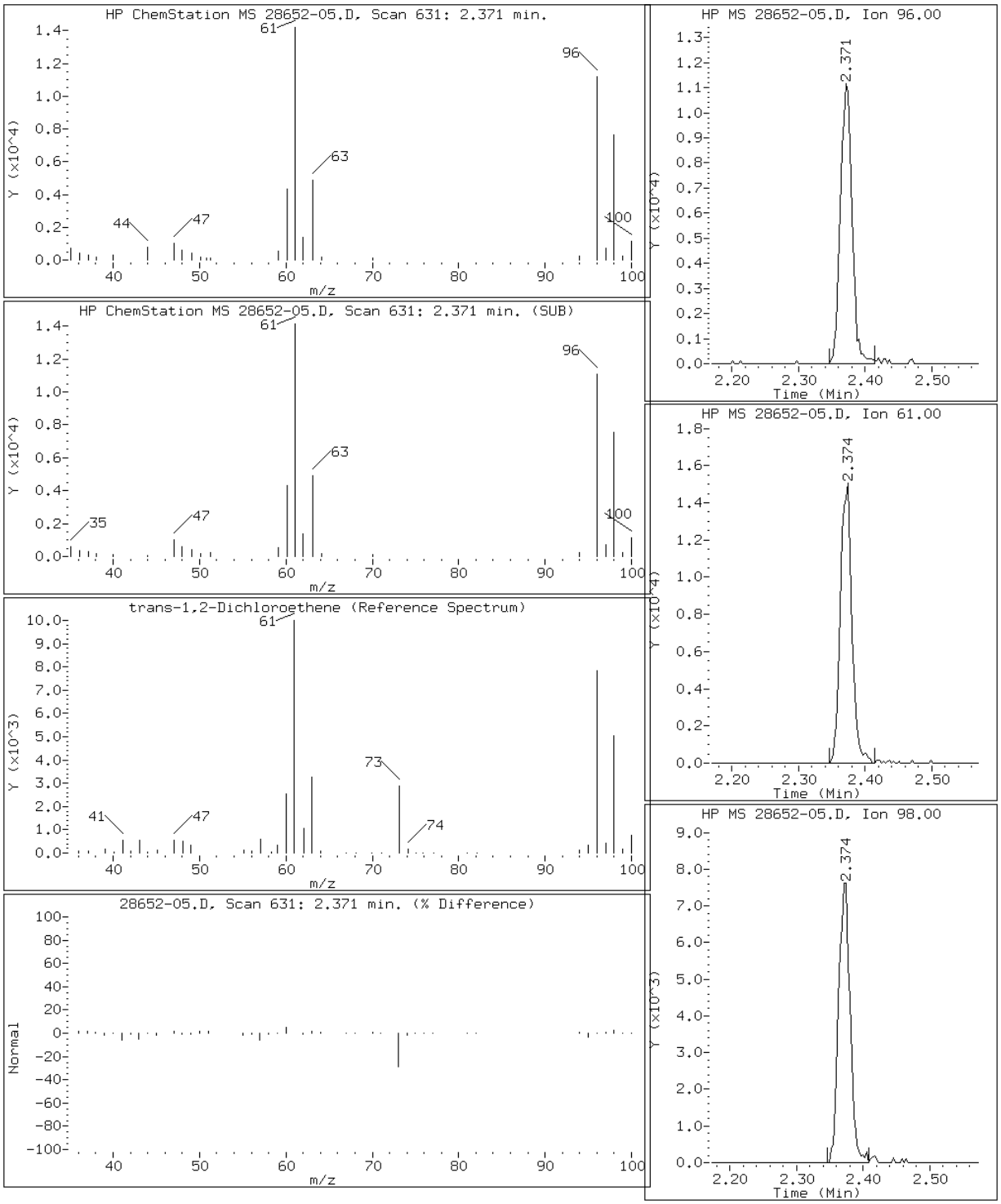
Data File: 28652-05.D

Date: 28-OCT-2010 18:25

Client ID: VLF-MW-2 DUP Instrument: ms22.i

Sample Info: 500-28652-A-5 Operator: EA

24 trans-1,2-Dichloroethene



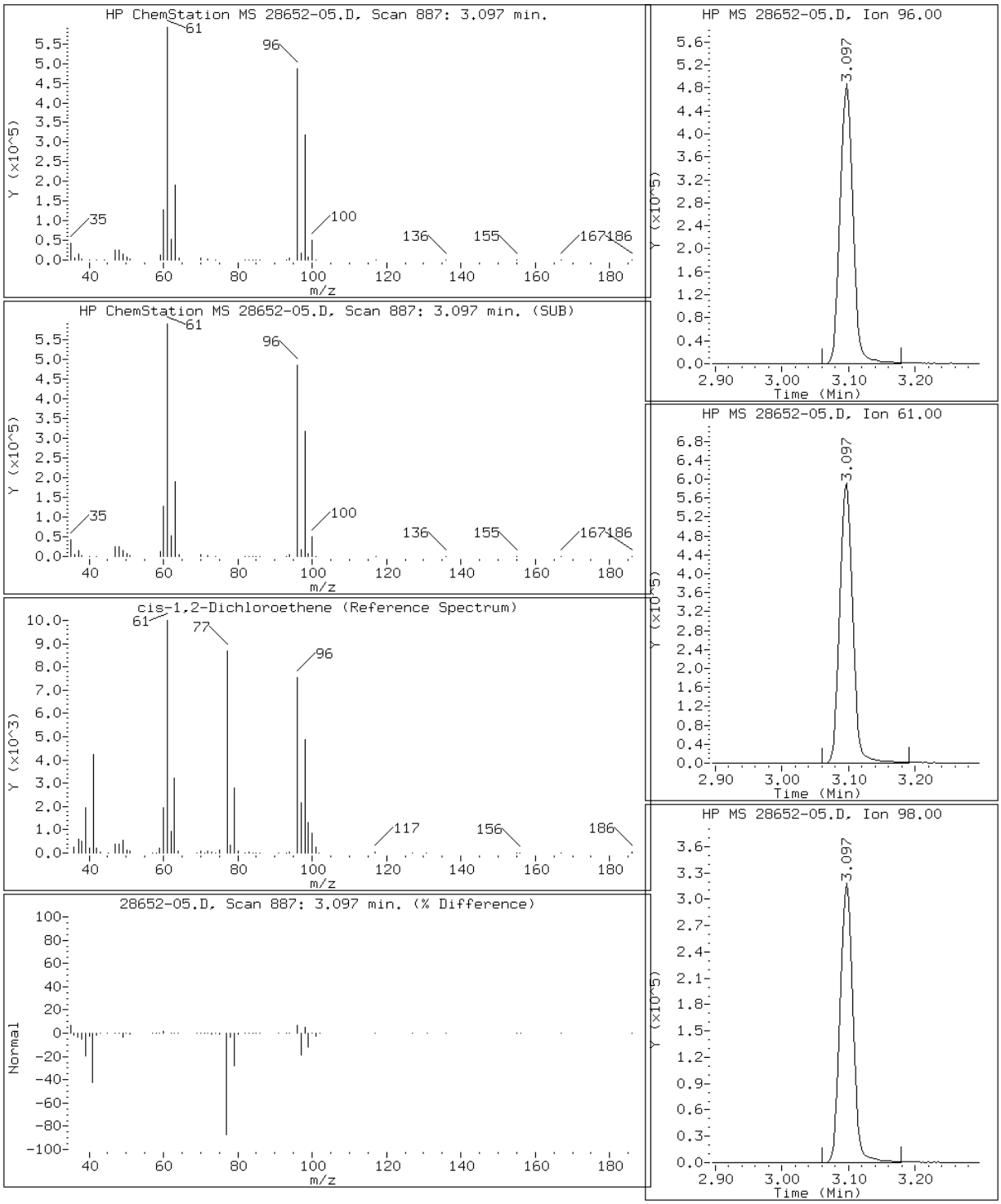
Data File: 28652-05.D

Date: 28-OCT-2010 18:25

Client ID: VLF-MW-2 DUP Instrument: ms22.i

Sample Info: 500-28652-A-5 Operator: EA

31 cis-1,2-Dichloroethene



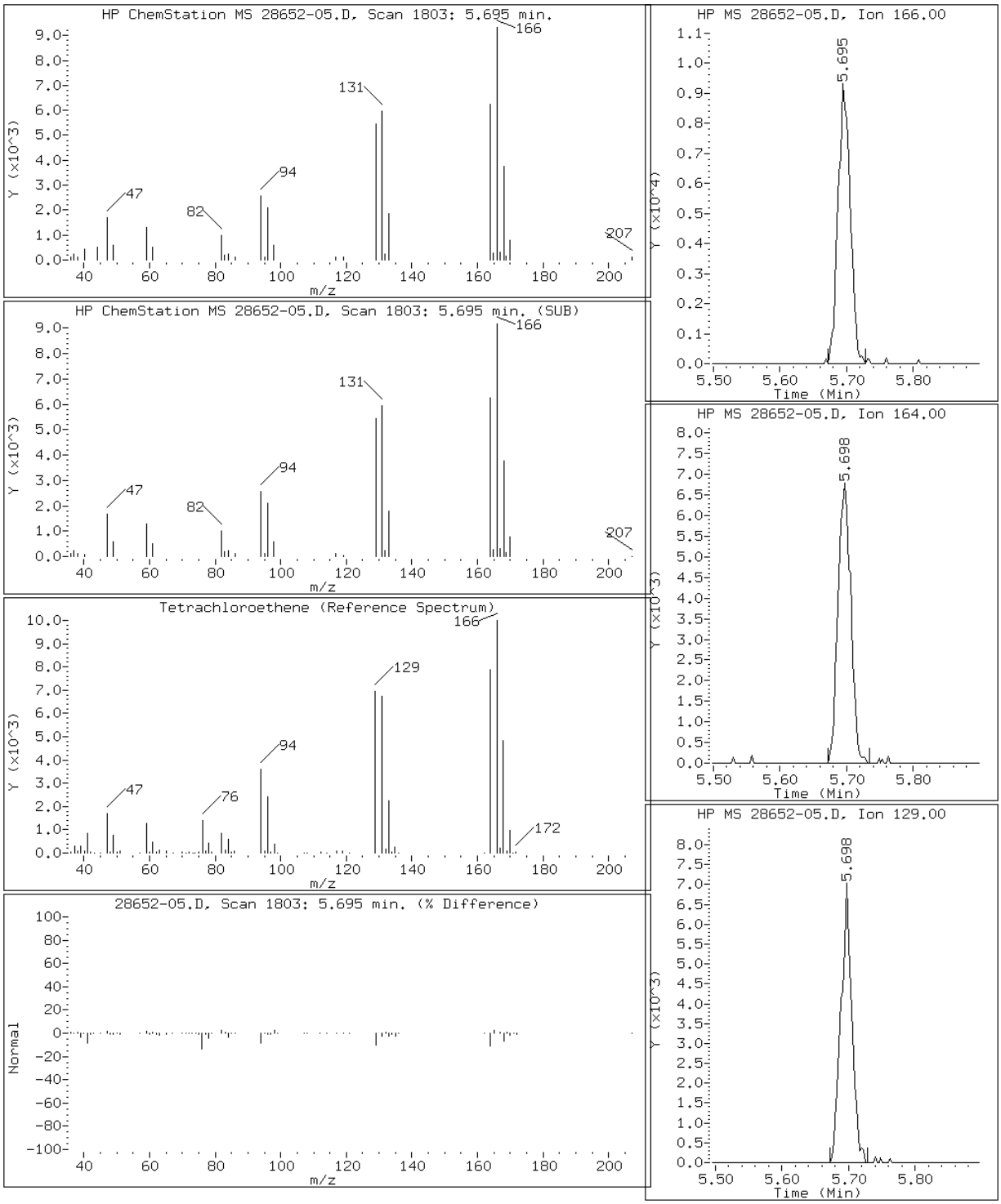
Data File: 28652-05.D

Date: 28-OCT-2010 18:25

Client ID: VLF-MW-2 DUP Instrument: ms22.i

Sample Info: 500-28652-A-5 Operator: EA

72 Tetrachloroethene



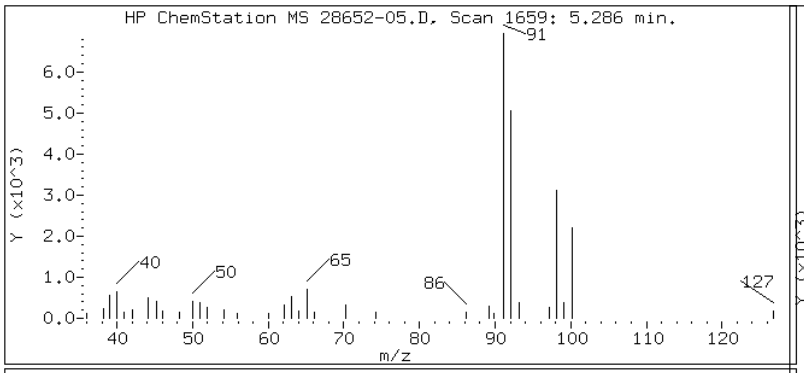
Data File: 28652-05.D

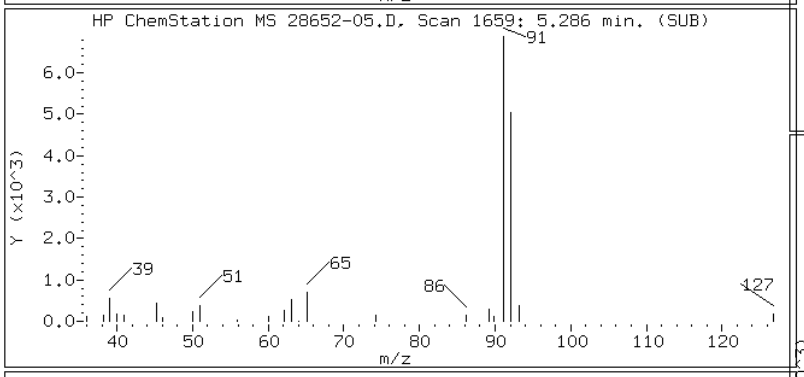
Date: 28-OCT-2010 18:25

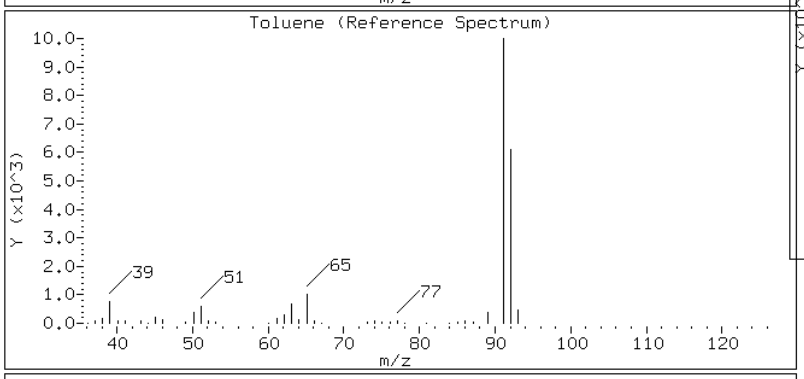
Client ID: VLF-MW-2 DUP Instrument: ms22.i

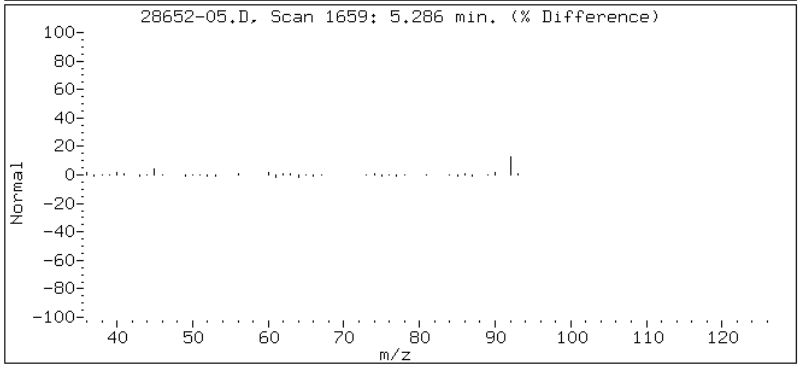
Sample Info: 500-28652-A-5 Operator: EA

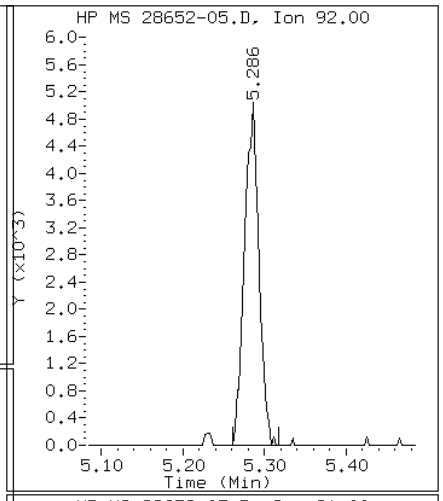
68 Toluene

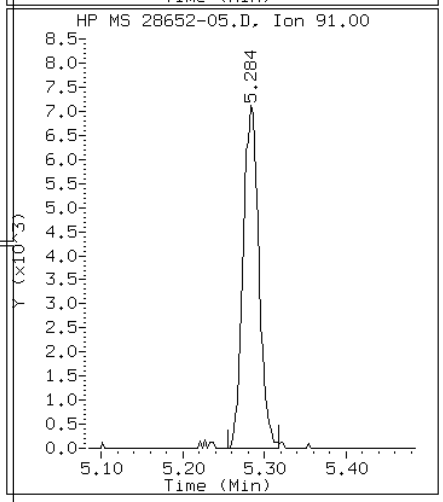












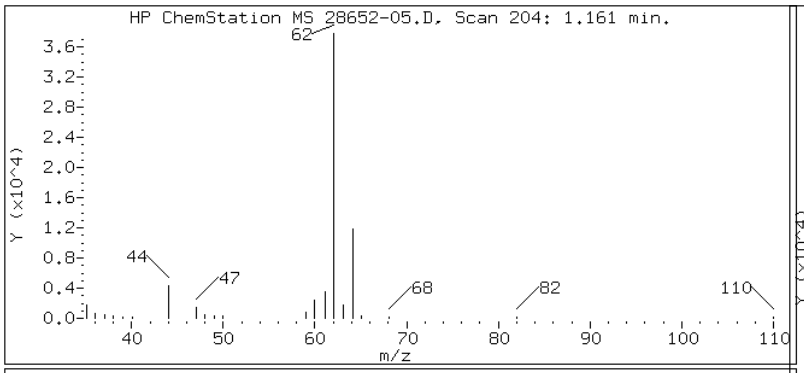
Data File: 28652-05.D

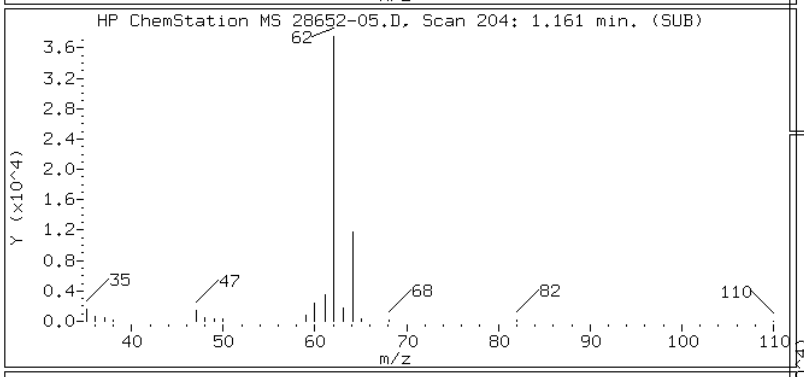
Date: 28-OCT-2010 18:25

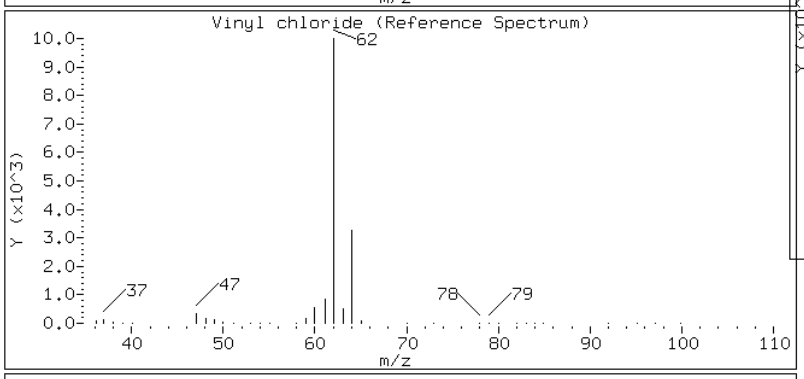
Client ID: VLF-MW-2 DUP Instrument: ms22.i

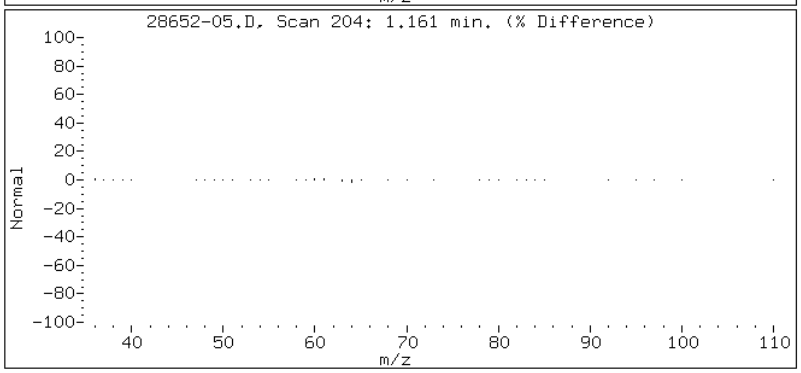
Sample Info: 500-28652-A-5 Operator: EA

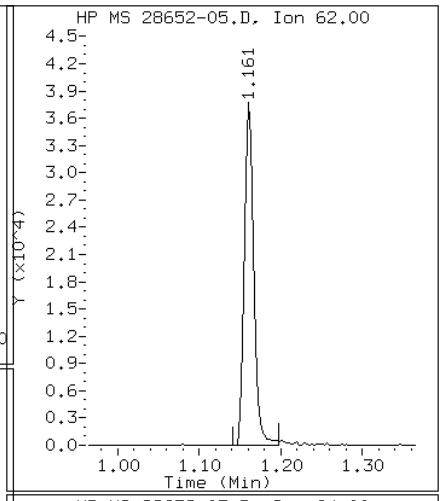
3 Vinyl chloride

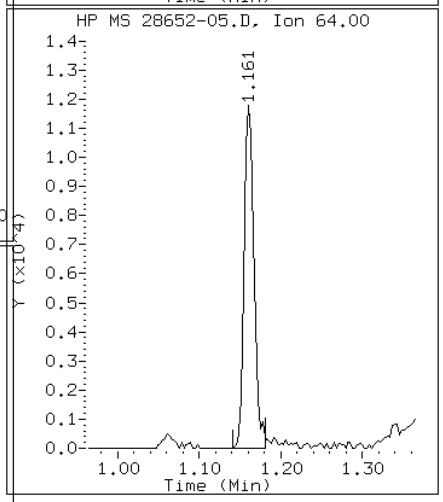












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID: VLF-MW-2 DUP DL
Lab Sample ID: 500-28652-5 DL
Matrix: Water
Lab File ID: 28652-05A.D
Analysis Method: 8260B
Date Collected: 10/18/2010 15:45
Sample wt/vol: 10(mL)
Date Analyzed: 10/28/2010 18:48
Soil Aliquot Vol:
Dilution Factor: 200
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98381
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	5500		200	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-129
2037-26-5	Toluene-d8 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-115
1868-53-7	Dibromofluoromethane	94		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-05A.D
Lab Smp Id: 500-28652-A-5 Client Smp ID: VLF-MW-2 DUP
Inj Date : 28-OCT-2010 18:48
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-A-5
Misc Info : 500-28652-A-5
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 19
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	143681	23.5166	23.517
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	424170	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	120489	24.9460	24.946
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	575355	25.0000	
57 Trichloroethene	130	4.223	4.223	(1.043)	218951	27.3197	5463.9
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	616545	23.7096	23.710
* 78 Chlorobenzene-d5	117	6.412	6.409	(1.000)	495893	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	204593	22.3594	22.359
* 104 1,4-Dichlorobenzene-d4	152	8.243	8.241	(1.000)	260724	25.0000	

Data File: 28652-05A.D

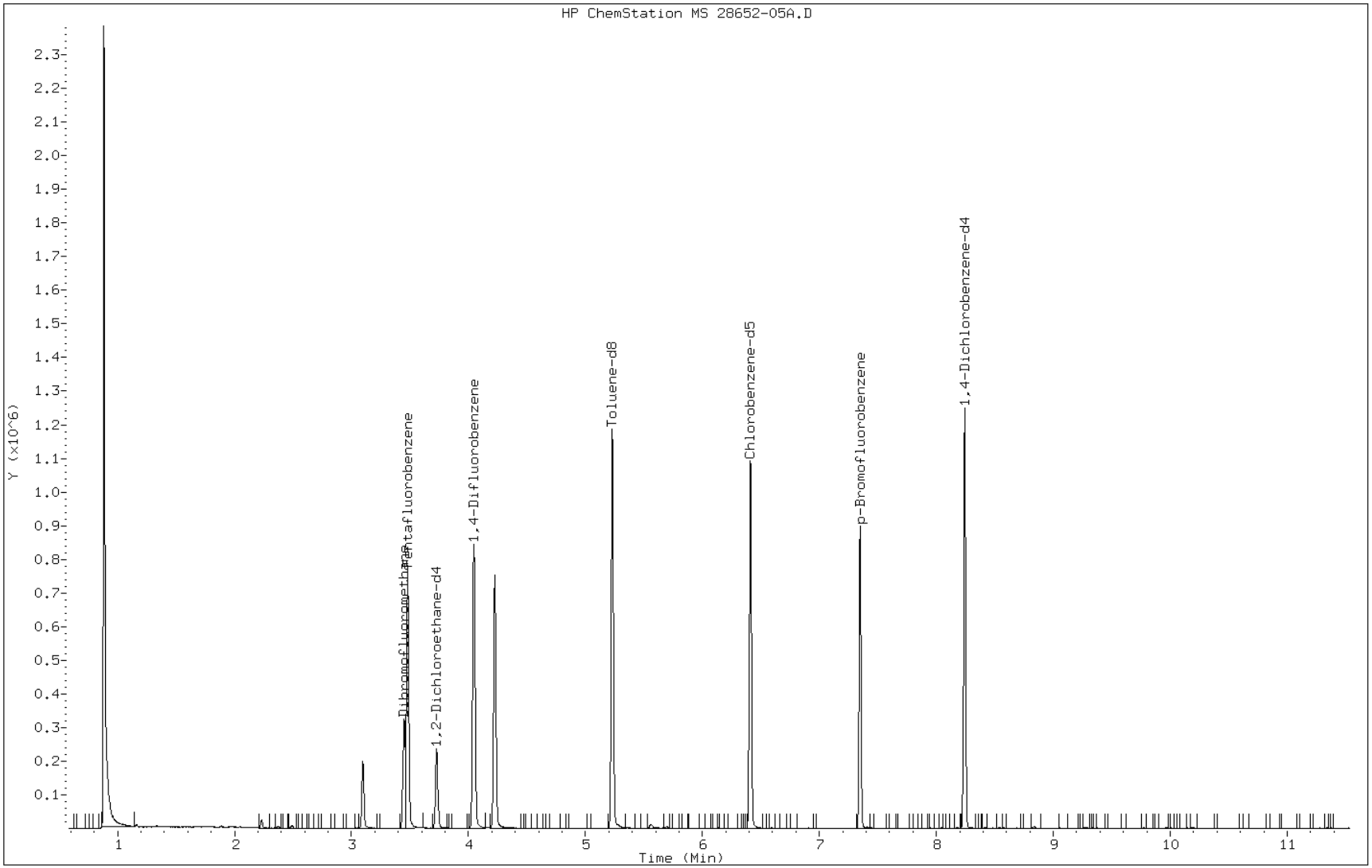
Date: 28-OCT-2010 18:48

Client ID: VLF-MW-2 DUP

Instrument: ms22.i

Sample Info: 500-28652-A-5

Operator: EA



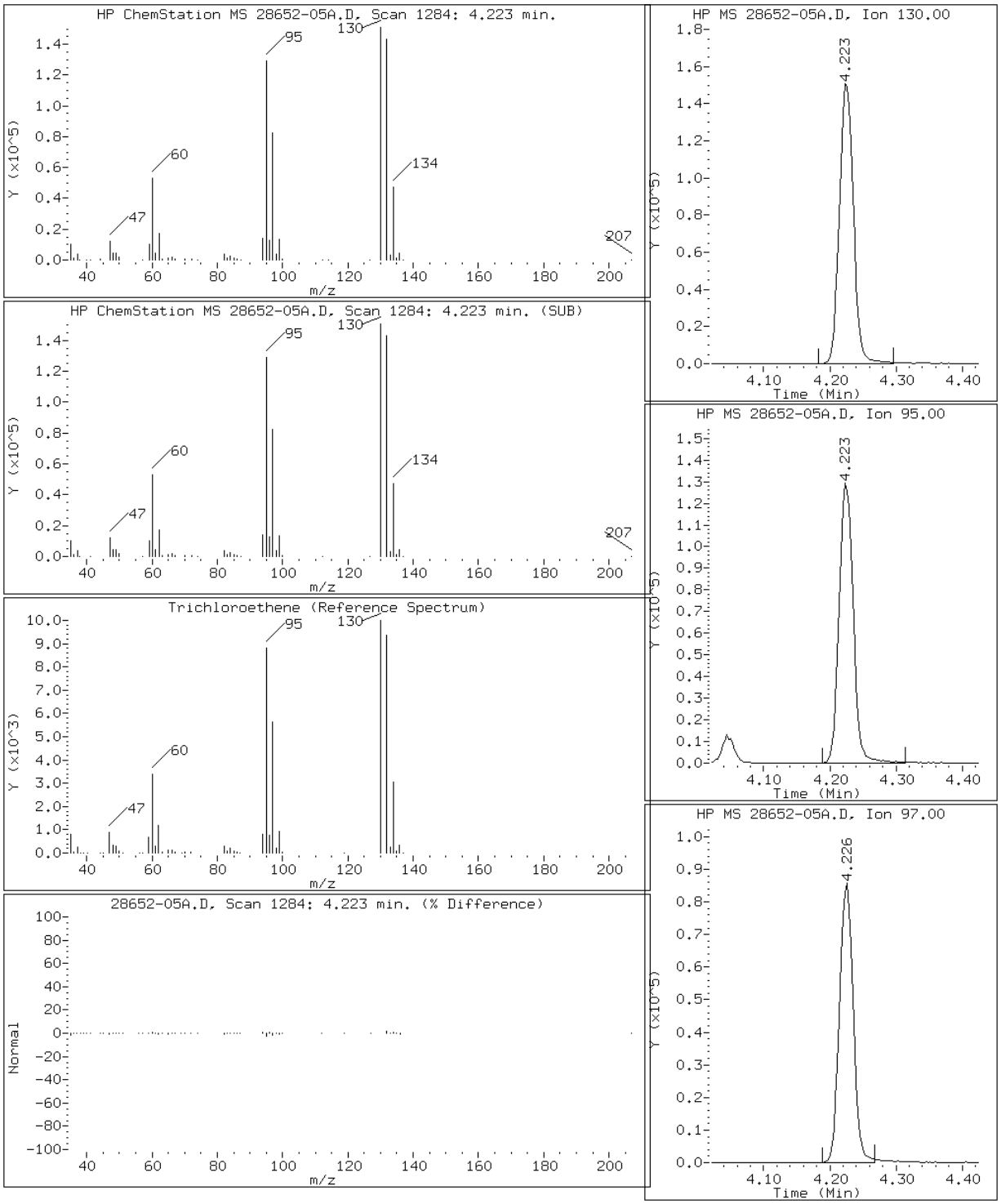
Data File: 28652-05A.D

Date: 28-OCT-2010 18:48

Client ID: VLF-MW-2 DUP Instrument: ms22.i

Sample Info: 500-28652-A-5 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: OLD-MW-4 | Lab Sample ID: 500-28652-6

Matrix: Water | Lab File ID: 28652-06.D

Analysis Method: 8260B | Date Collected: 10/18/2010 18:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 19:12

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	3.4	U	20	3.4
156-60-5	trans-1,2-Dichloroethene	32		20	6.4
156-59-2	cis-1,2-Dichloroethene	680		20	5.4
100-41-4	Ethylbenzene	3.6	U	20	3.6
127-18-4	Tetrachloroethene	4.4	U	20	4.4
108-88-3	Toluene	3.8	U	20	3.8
75-01-4	Vinyl chloride	36		20	4.0
1330-20-7	Xylenes, Total	6.4	U	40	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-129
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-115
1868-53-7	Dibromofluoromethane	100		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-06.D
Lab Smp Id: 500-28652-C-6 Client Smp ID: OLD-MW-4
Inj Date : 28-OCT-2010 19:12
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-6
Misc Info : 500-28652-C-6
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 20
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.163	1.163	(0.334)	11597	1.81210	36.242
13 1,1-Dichloroethene	96	1.886	1.880	(0.542)	3752	0.88501	17.700
24 trans-1,2-Dichloroethene	96	2.374	2.368	(0.682)	11073	1.59809	31.962
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	245915	34.0478	680.96
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	160991	25.0011	25.001
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	447051	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	136518	26.7368	26.737
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	608234	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	1992561	235.183	4703.7(A)
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	681790	24.8014	24.801
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	517354	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	226499	23.7266	23.727
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	270865	25.0000	
M 115 1,2-Dichloroethene (total)	96				256988	36.3195	726.39

QC Flag Legend

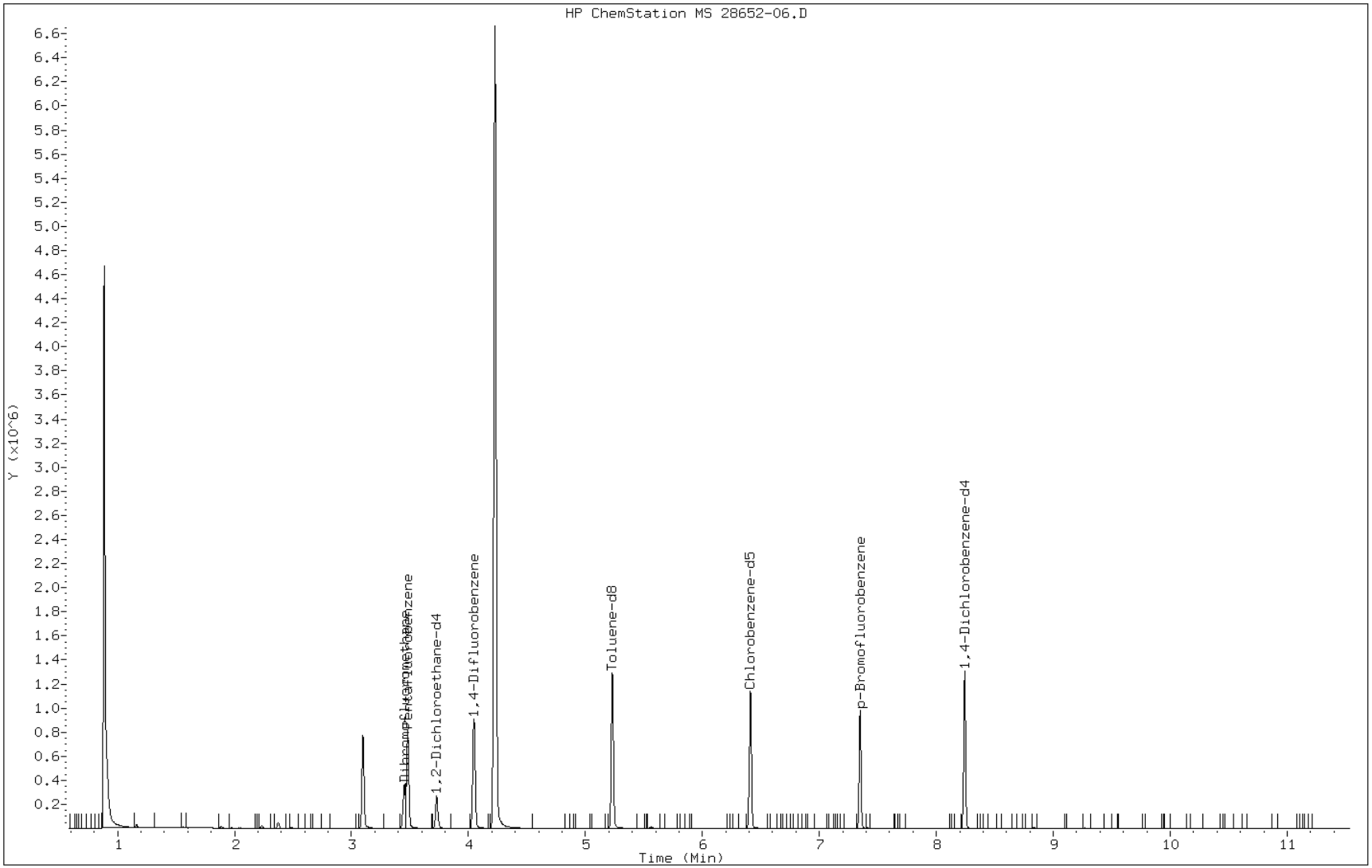
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 28652-06.D

Date: 28-OCT-2010 19:12

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA



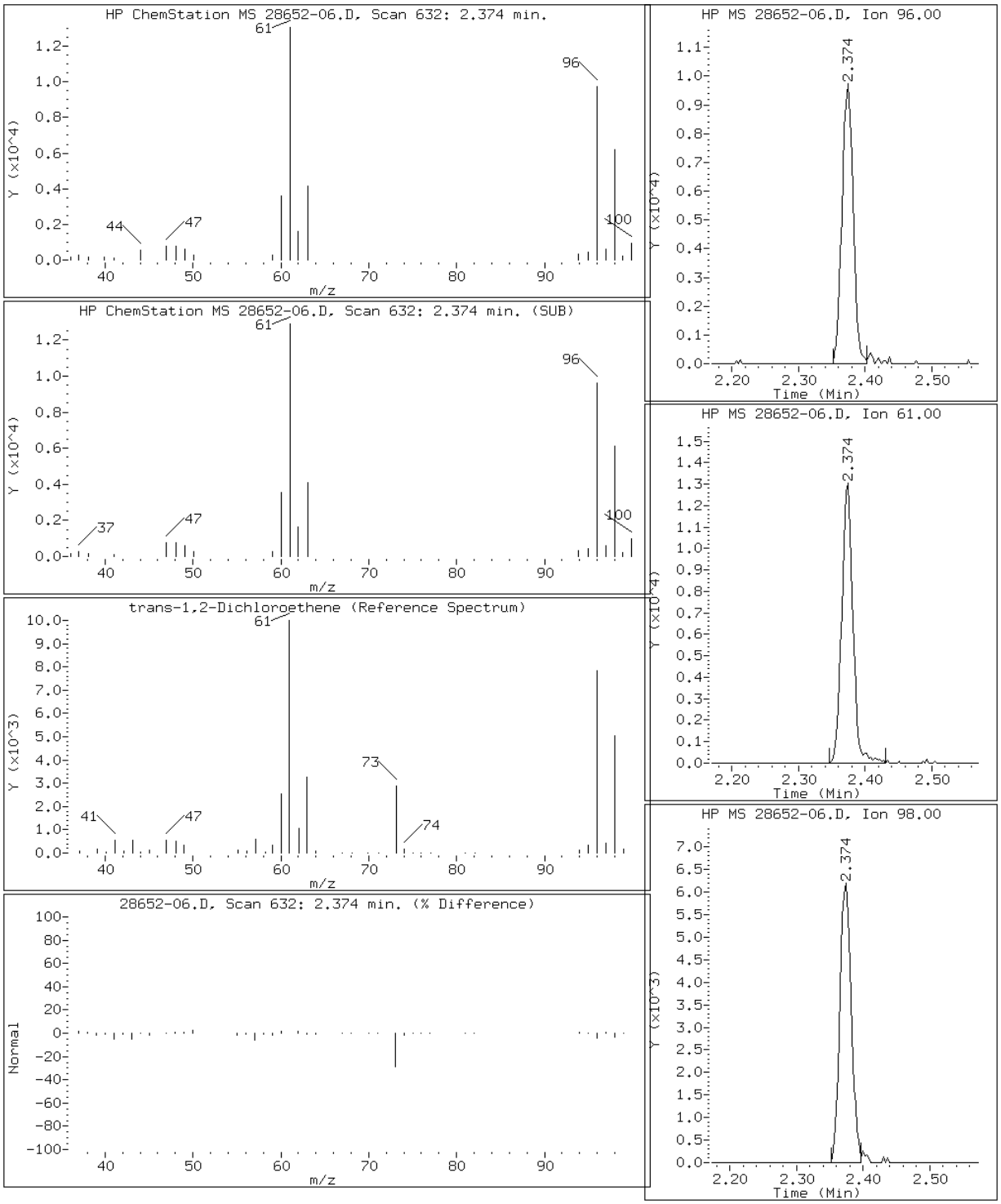
Data File: 28652-06.D

Date: 28-OCT-2010 19:12

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA

24 trans-1,2-Dichloroethene



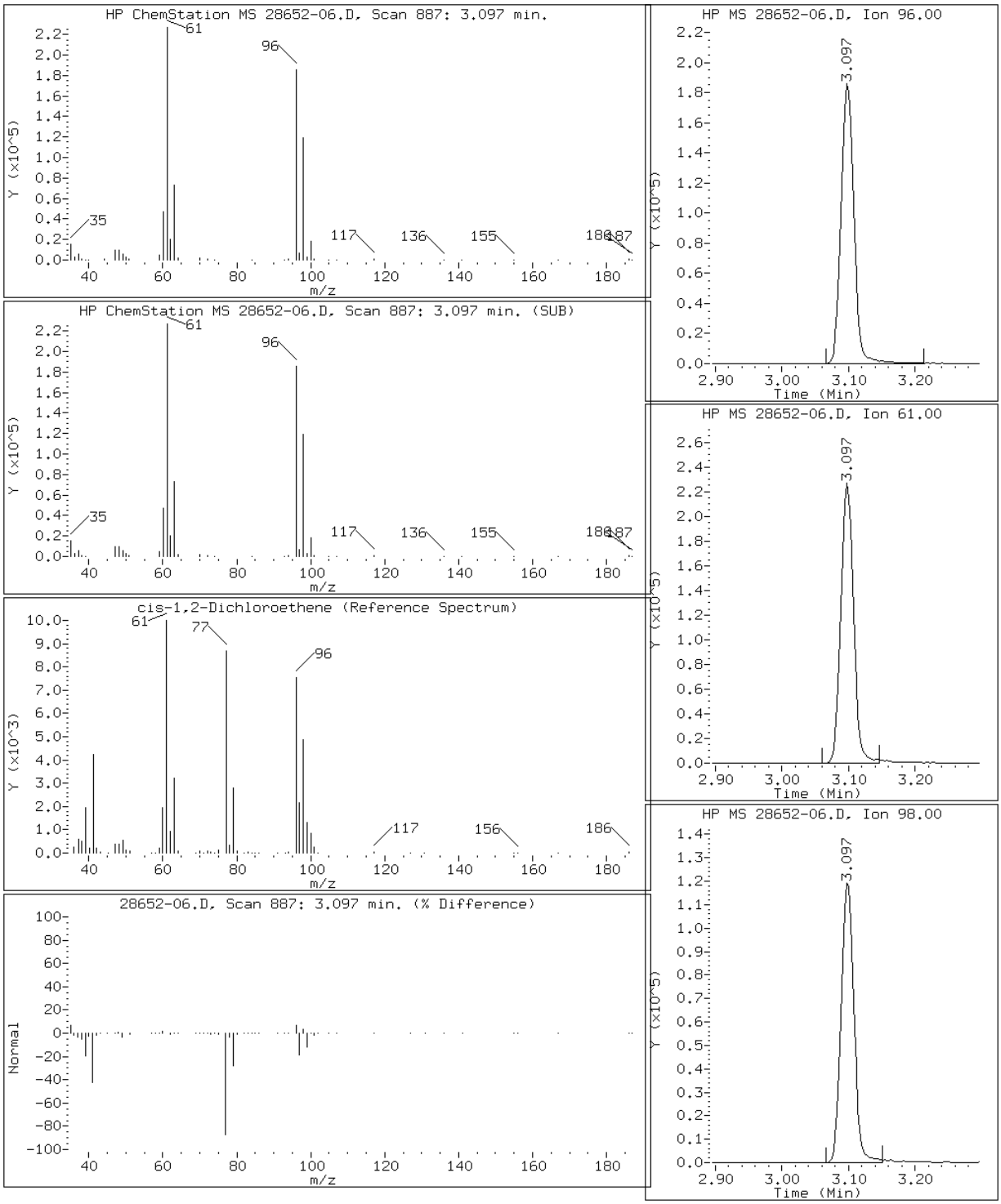
Data File: 28652-06.D

Date: 28-OCT-2010 19:12

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA

31 cis-1,2-Dichloroethene



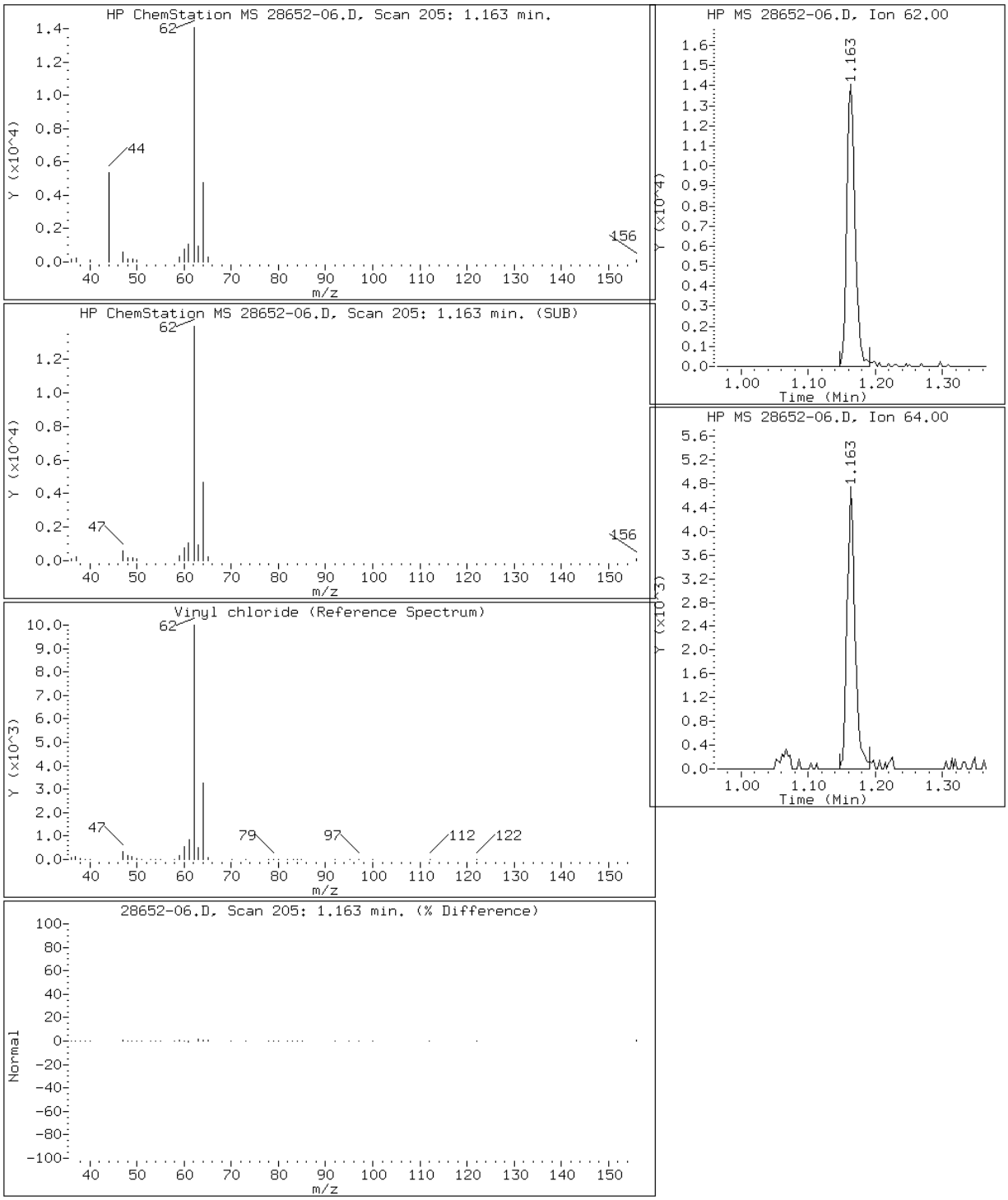
Data File: 28652-06.D

Date: 28-OCT-2010 19:12

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA

3 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID: OLD-MW-4 DL
Lab Sample ID: 500-28652-6 DL
Matrix: Water
Lab File ID: 28652-06A.D
Analysis Method: 8260B
Date Collected: 10/18/2010 18:00
Sample wt/vol: 10(mL)
Date Analyzed: 10/28/2010 19:35
Soil Aliquot Vol:
Dilution Factor: 200
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98381
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	4800		200	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-129
2037-26-5	Toluene-d8 (Surr)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-115
1868-53-7	Dibromofluoromethane	95		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-06A.D
Lab Smp Id: 500-28652-C-6 Client Smp ID: OLD-MW-4
Inj Date : 28-OCT-2010 19:35
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-6
Misc Info : 500-28652-C-6
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 21
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

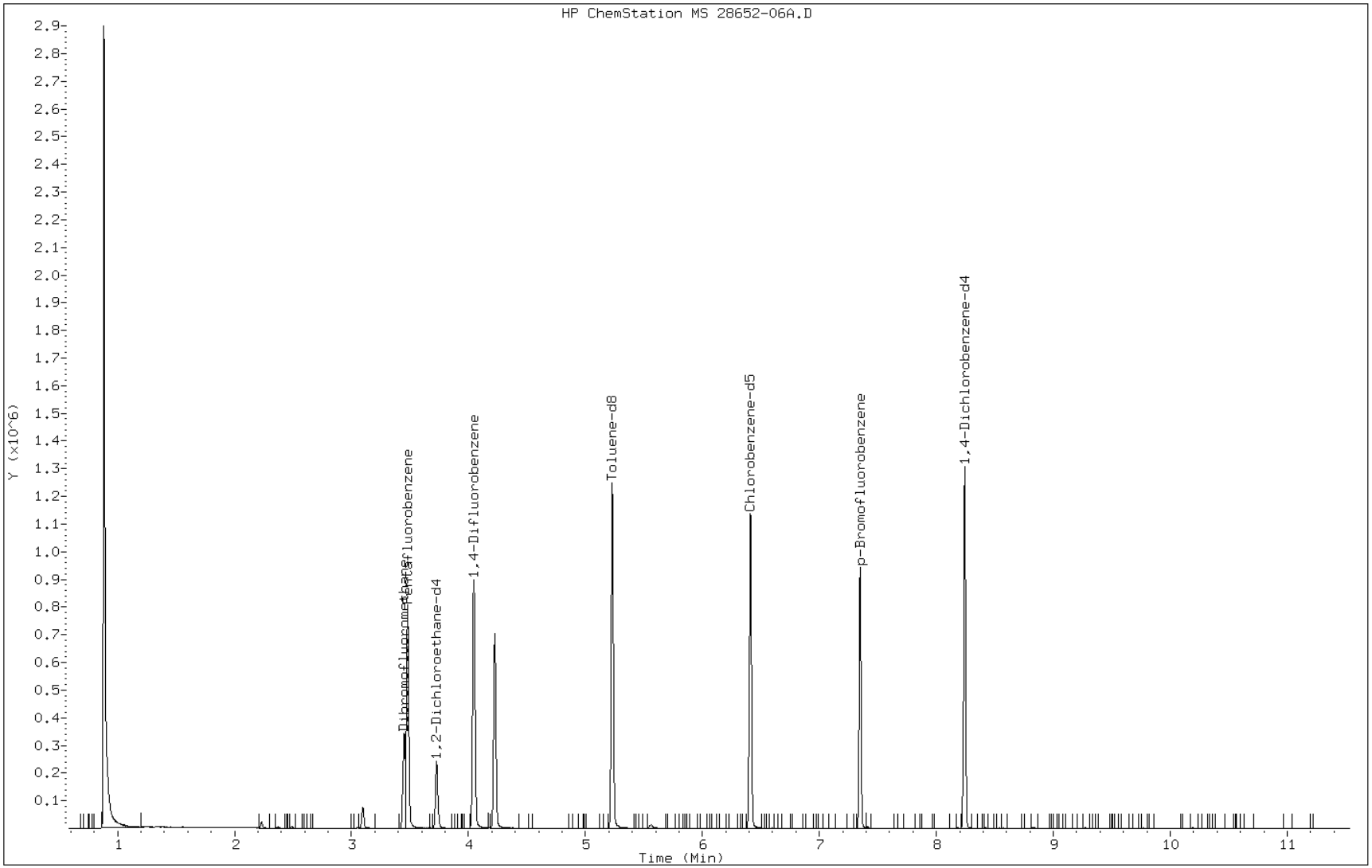
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	151922	23.7251	23.725
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	444557	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	126437	24.7673	24.767
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	608114	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.045)	204720	24.1680	4833.6
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	644257	23.4407	23.441
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	520637	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	211951	22.0627	22.063
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	272707	25.0000	

Data File: 28652-06A.D

Date: 28-OCT-2010 19:35

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA



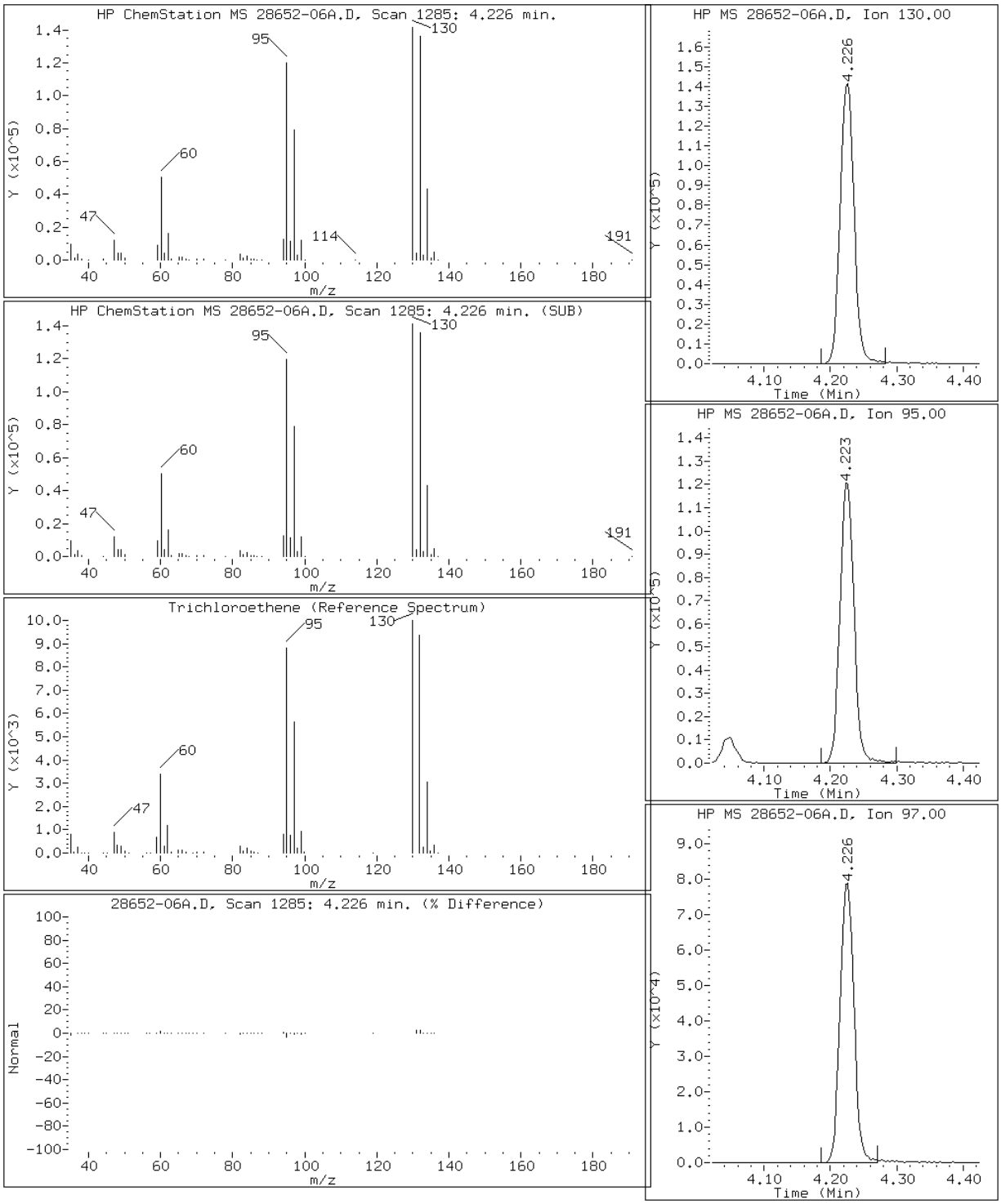
Data File: 28652-06A.D

Date: 28-OCT-2010 19:35

Client ID: OLD-MW-4 Instrument: ms22.i

Sample Info: 500-28652-C-6 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 500-28652-7

Matrix: Water | Lab File ID: 28652-07.D

Analysis Method: 8260B | Date Collected: 10/18/2010 14:15

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.24	U	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-129
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-115
1868-53-7	Dibromofluoromethane	98		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-07.D
Lab Smp Id: 500-28652-A-7 Client Smp ID: TRIP BLANK
Inj Date : 28-OCT-2010 20:44
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-A-7
Misc Info : 500-28652-A-7
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	163088	24.5814	24.581
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	460608	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	135075	25.8303	25.830
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	622925	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	692792	24.6072	24.607
* 78 Chlorobenzene-d5	117	6.412	6.409	(1.000)	533275	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	231235	23.4996	23.500
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	273632	25.0000	

Data File: 28652-07.D

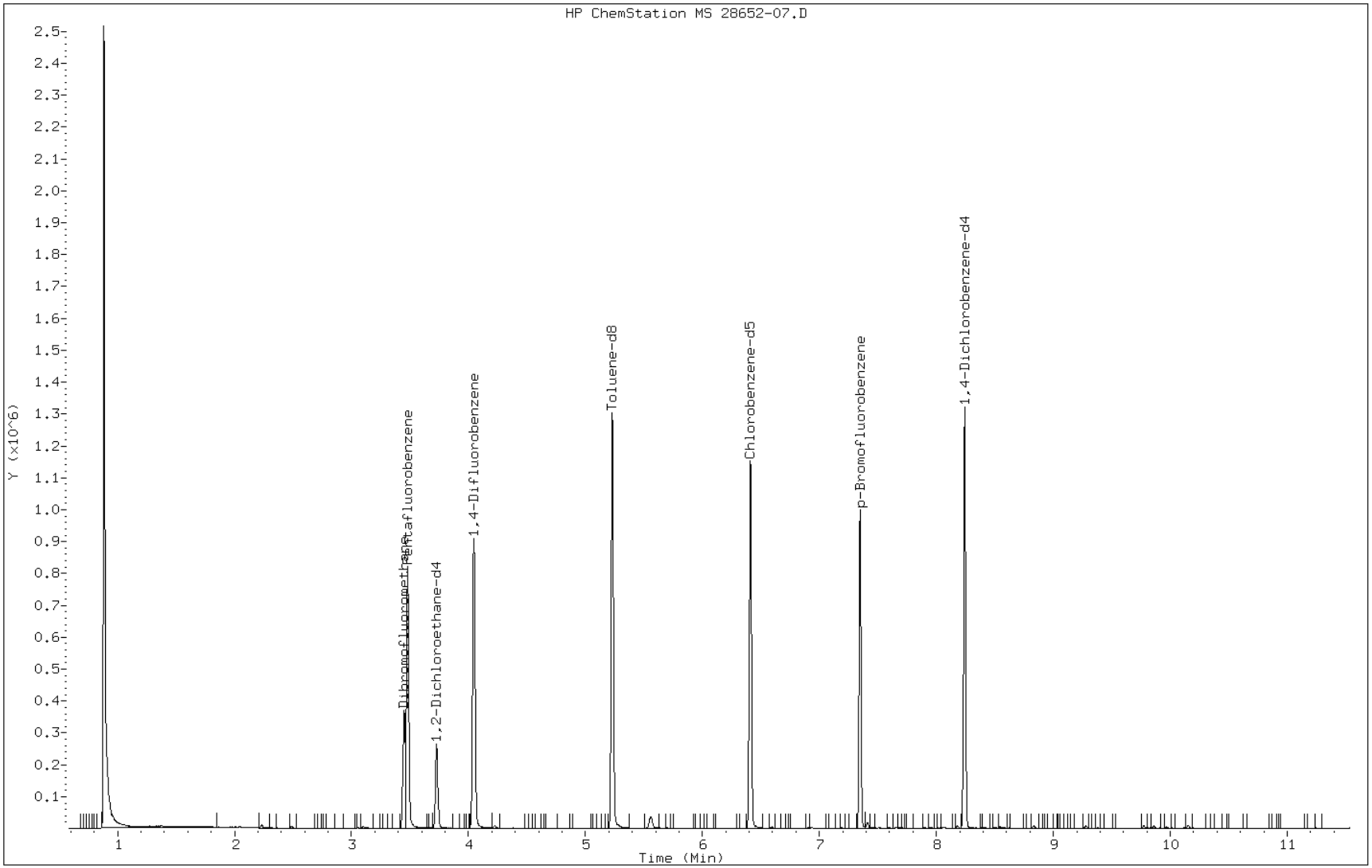
Date: 28-OCT-2010 20:44

Client ID: TRIP BLANK

Instrument: ms22.i

Sample Info: 500-28652-A-7

Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-7 | Lab Sample ID: 500-28652-8

Matrix: Water | Lab File ID: 28652-08.D

Analysis Method: 8260B | Date Collected: 10/19/2010 13:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 21:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	1.9		1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.64	J	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.29	J	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-129
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-115
1868-53-7	Dibromofluoromethane	101		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-08.D
Lab Smp Id: 500-28652-F-8 Client Smp ID: VLF-MW-7
Inj Date : 28-OCT-2010 21:07
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-F-8
Misc Info : 500-28652-F-8
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.160	1.163	(0.333)	1712	0.28835	0.2883(a)
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	12951	1.93277	1.933
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	150770	25.2375	25.237
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	414748	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	125404	26.3996	26.400
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	565853	25.0000	
57 Trichloroethene	130	4.223	4.223	(1.043)	5082	0.64476	0.6448
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	639983	25.0242	25.024
* 78 Chlorobenzene-d5	117	6.412	6.409	(1.000)	473778	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	203984	23.3334	23.333
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	246331	25.0000	
M 115 1,2-Dichloroethene (total)	96				12951	1.97289	1.973

QC Flag Legend

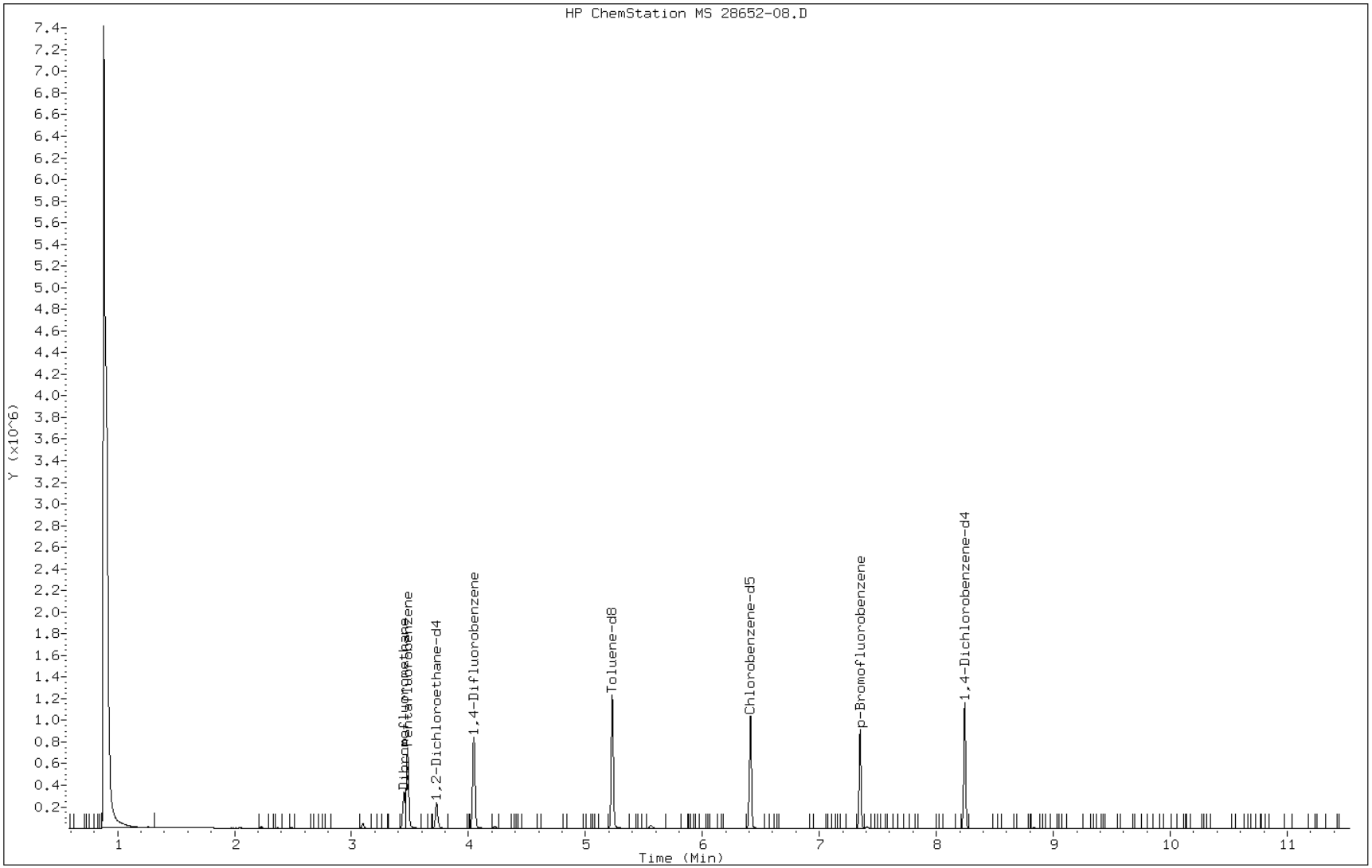
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 28652-08.D

Date: 28-OCT-2010 21:07

Client ID: VLF-MW-7 Instrument: ms22.i

Sample Info: 500-28652-F-8 Operator: EA



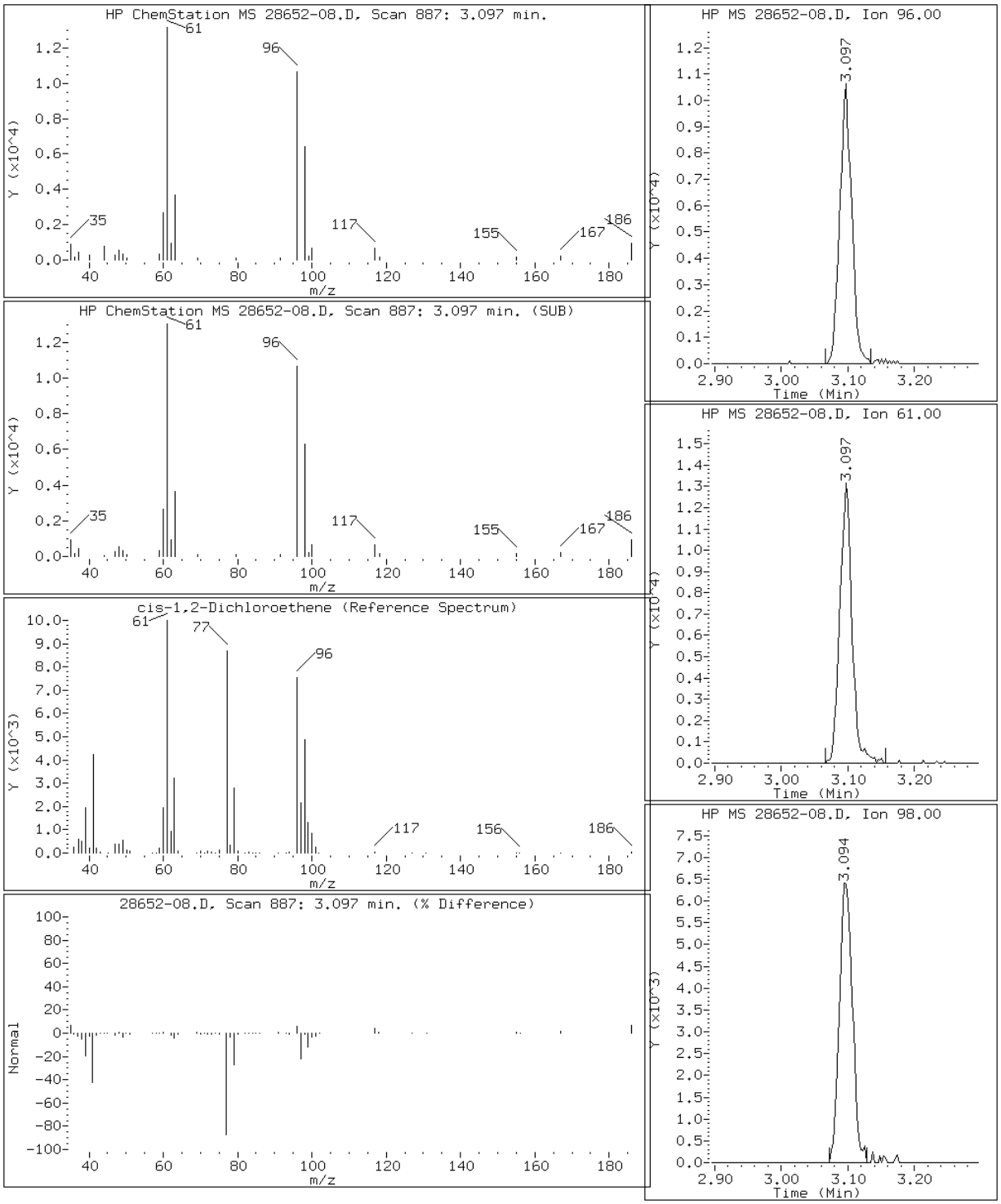
Data File: 28652-08.D

Date: 28-OCT-2010 21:07

Client ID: VLF-MW-7 Instrument: ms22.i

Sample Info: 500-28652-F-8 Operator: EA

31 cis-1,2-Dichloroethene



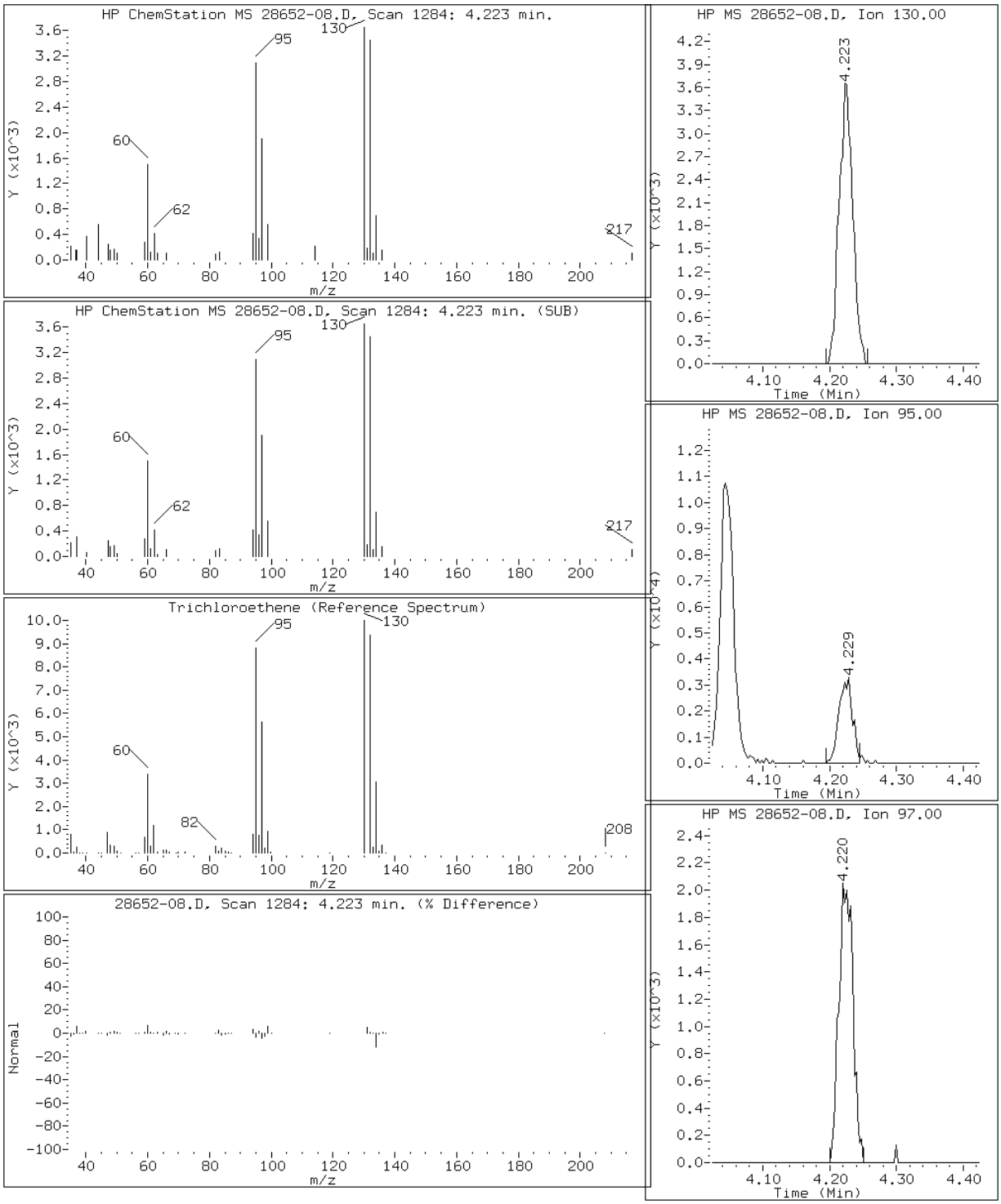
Data File: 28652-08.D

Date: 28-OCT-2010 21:07

Client ID: VLF-MW-7 Instrument: ms22.i

Sample Info: 500-28652-F-8 Operator: EA

57 Trichloroethene



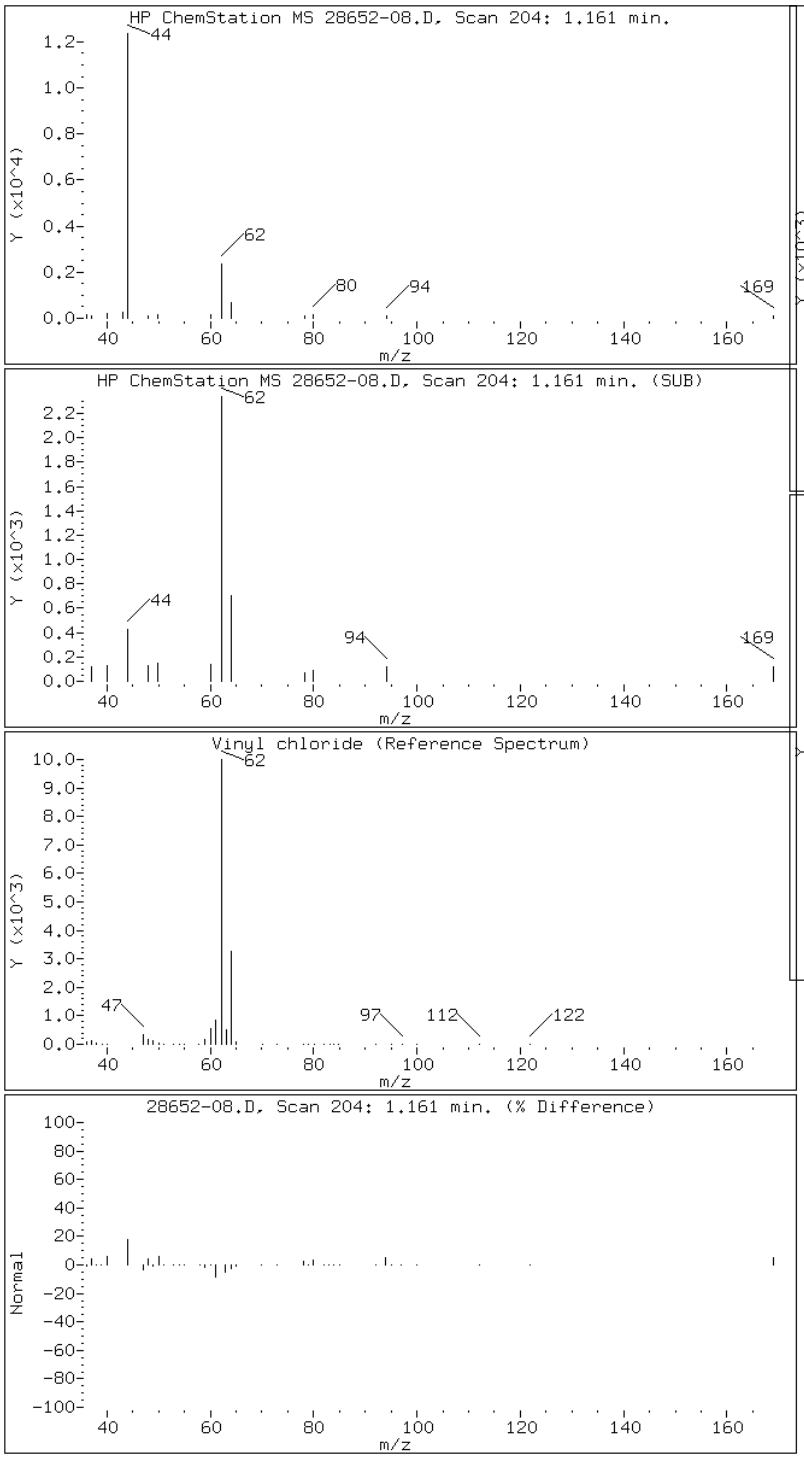
Data File: 28652-08.D

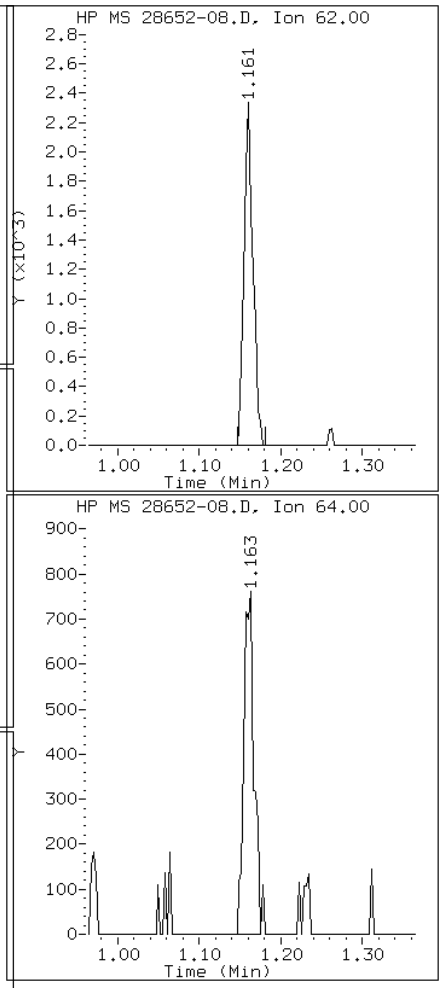
Date: 28-OCT-2010 21:07

Client ID: VLF-MW-7 Instrument: ms22.i

Sample Info: 500-28652-F-8 Operator: EA

3 Vinyl chloride





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: OLD-MW-9 | Lab Sample ID: 500-28652-9

Matrix: Water | Lab File ID: 28652-09.D

Analysis Method: 8260B | Date Collected: 10/19/2010 15:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 21:30

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.34	U	2.0	0.34
156-60-5	trans-1,2-Dichloroethene	0.64	U	2.0	0.64
156-59-2	cis-1,2-Dichloroethene	78		2.0	0.54
100-41-4	Ethylbenzene	0.36	U	2.0	0.36
127-18-4	Tetrachloroethene	0.44	U	2.0	0.44
108-88-3	Toluene	0.38	U	2.0	0.38
75-01-4	Vinyl chloride	0.41	J	2.0	0.40
1330-20-7	Xylenes, Total	0.64	U	4.0	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-129
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-115
1868-53-7	Dibromofluoromethane	102		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-09.D
Lab Smp Id: 500-28652-C-9 Client Smp ID: OLD-MW-9
Inj Date : 28-OCT-2010 21:30
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-9
Misc Info : 500-28652-C-9
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 26
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
24 trans-1,2-Dichloroethene	96	2.377	2.368	(0.683)	1666	0.25367	0.5073(a)
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	265939	38.8459	77.692
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	155178	25.4242	25.424
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	423739	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	128072	26.1956	26.196
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	582393	25.0000	
57 Trichloroethene	130	4.225	4.223	(1.044)	2516191	310.165	620.33(A)
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	647763	24.6091	24.609
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	494312	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	213336	23.3895	23.389
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	255313	25.0000	
M 115 1,2-Dichloroethene (total)	96				267605	39.9006	79.801

QC Flag Legend

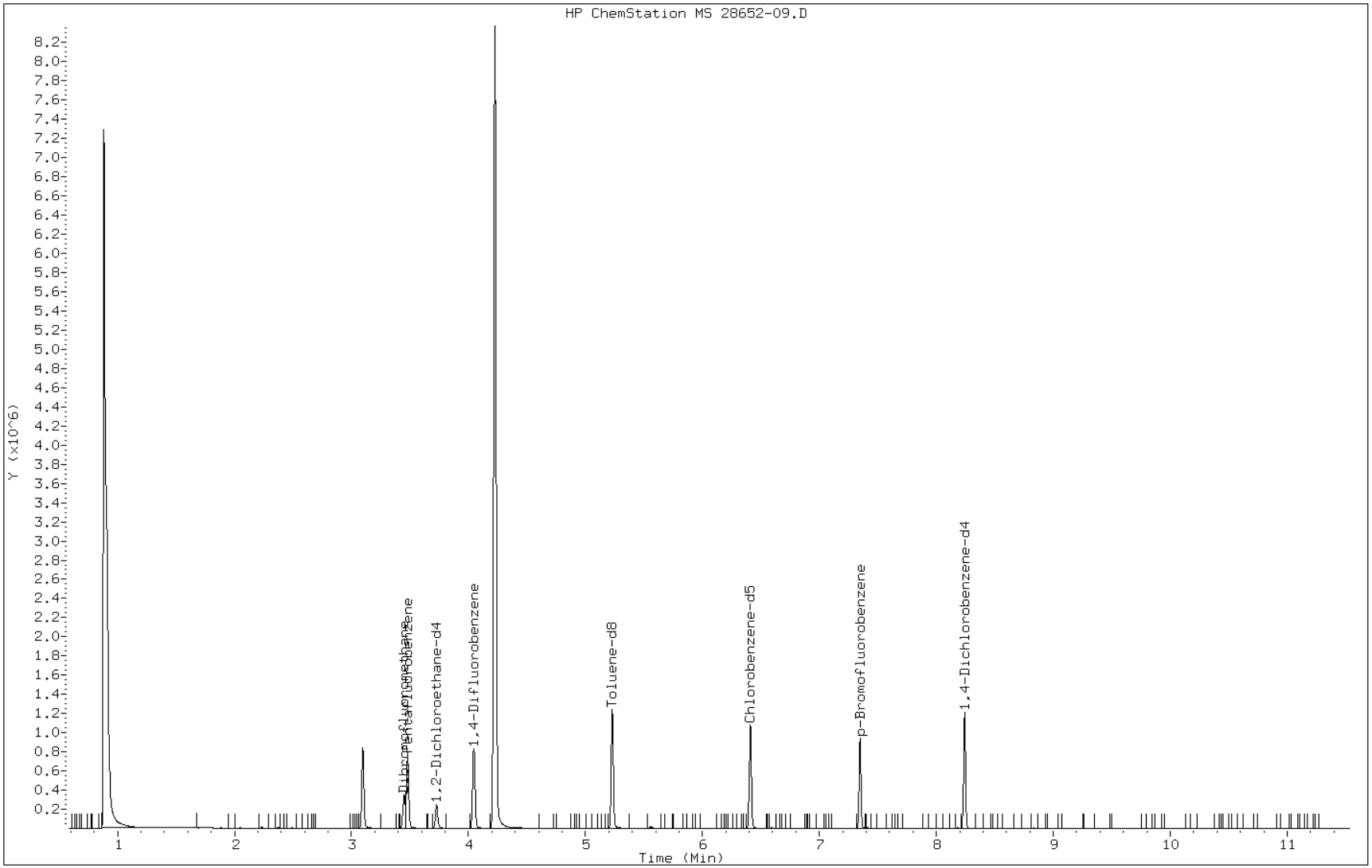
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 28652-09.D

Date: 28-OCT-2010 21:30

Client ID: OLD-MW-9 Instrument: ms22.i

Sample Info: 500-28652-C-9 Operator: EA



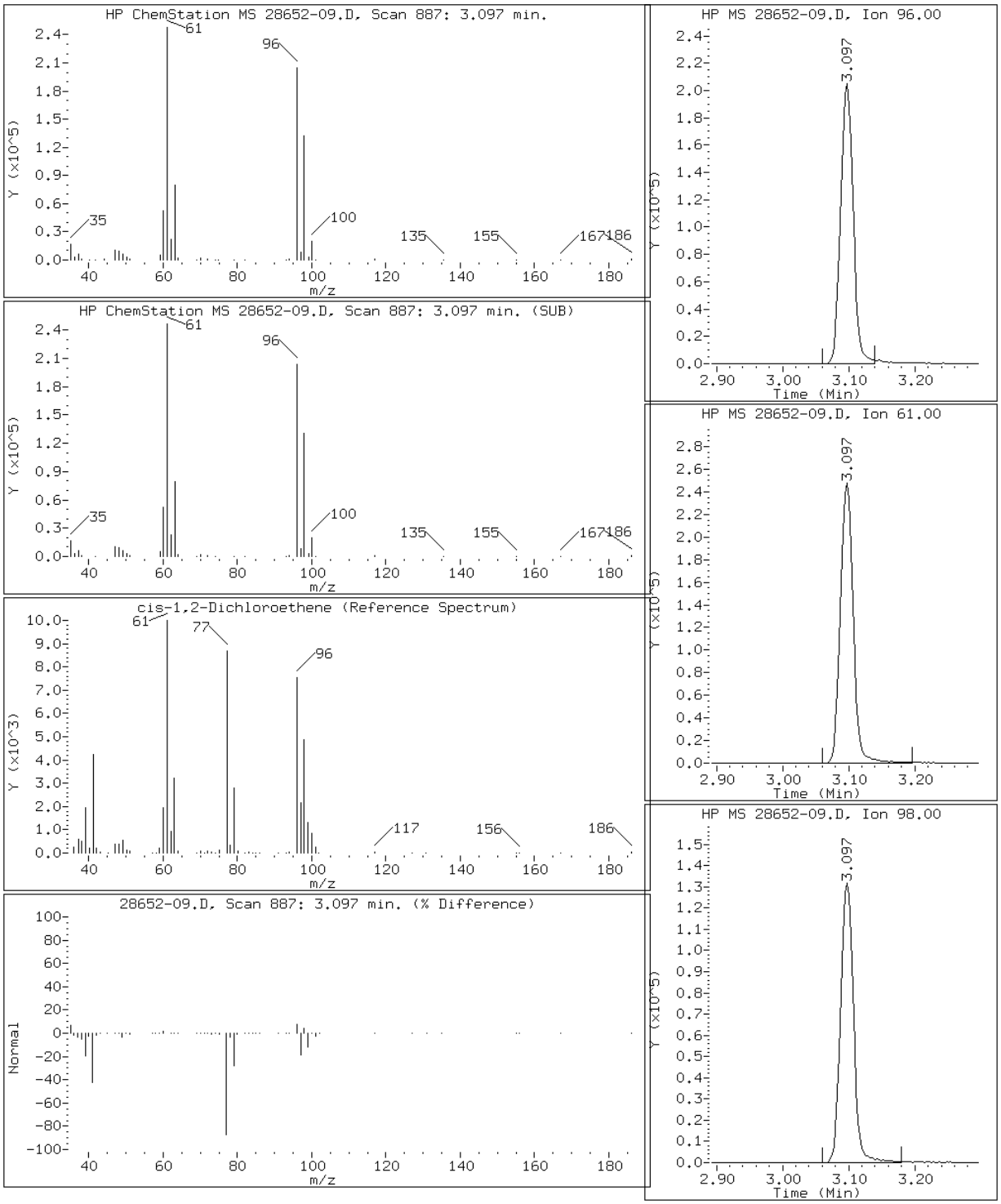
Data File: 28652-09.D

Date: 28-OCT-2010 21:30

Client ID: OLD-MW-9 Instrument: ms22.i

Sample Info: 500-28652-C-9 Operator: EA

31 cis-1,2-Dichloroethene



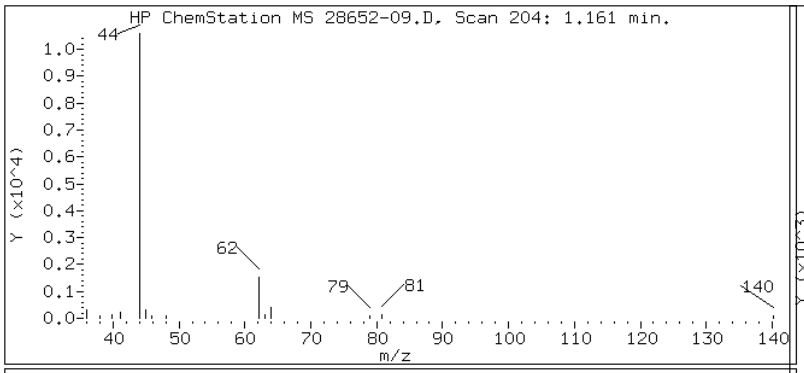
Data File: 28652-09.D

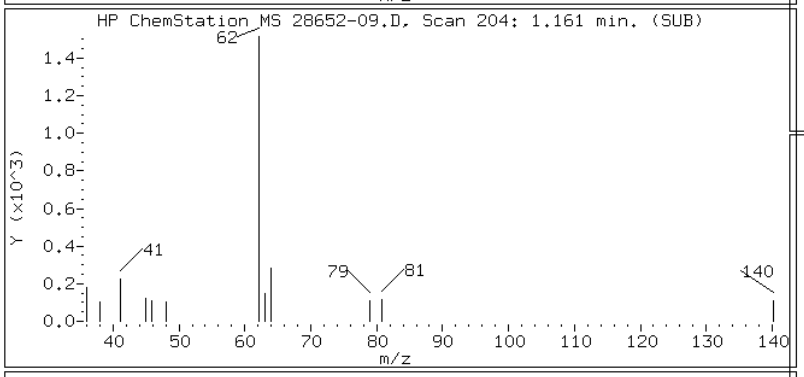
Date: 28-OCT-2010 21:30

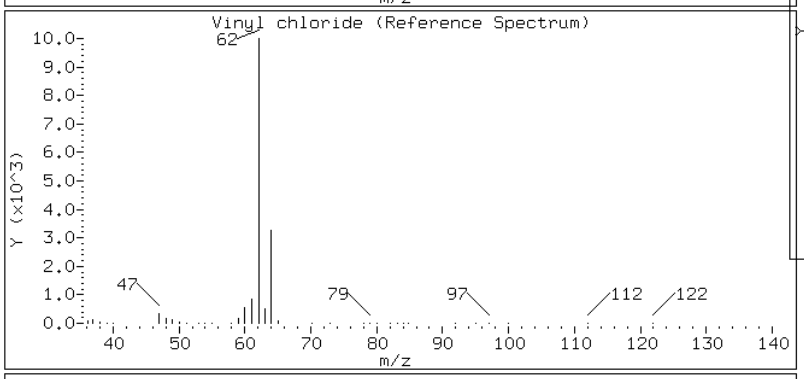
Client ID: OLD-MW-9 Instrument: ms22.i

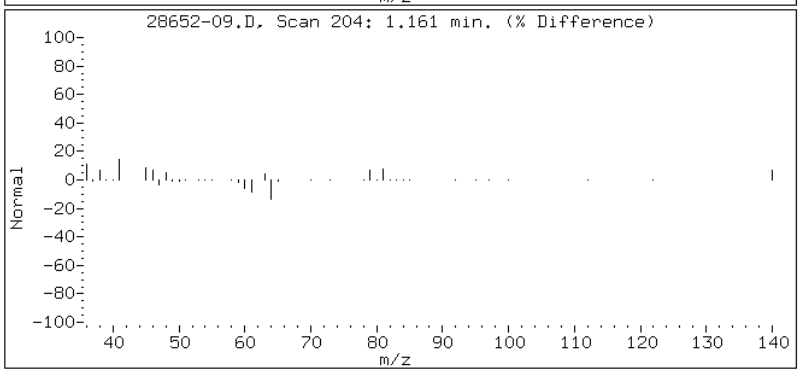
Sample Info: 500-28652-C-9 Operator: EA

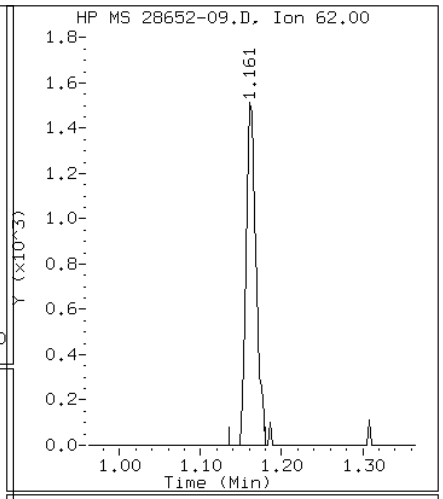
3 Vinyl chloride

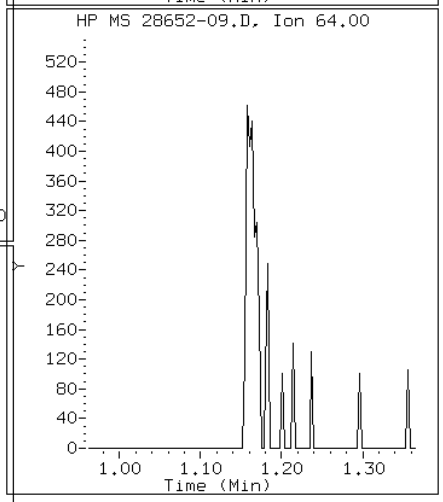












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID: OLD-MW-9 DL
Lab Sample ID: 500-28652-9 DL
Matrix: Water
Lab File ID: 28652-09A.D
Analysis Method: 8260B
Date Collected: 10/19/2010 15:00
Sample wt/vol: 10(mL)
Date Analyzed: 10/28/2010 21:53
Soil Aliquot Vol:
Dilution Factor: 20
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98381
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	750		20	4.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-129
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-115
1868-53-7	Dibromofluoromethane	101		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-09A.D
Lab Smp Id: 500-28652-C-9 Client Smp ID: OLD-MW-9
Inj Date : 28-OCT-2010 21:53
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-9
Misc Info : 500-28652-C-9
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 27
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

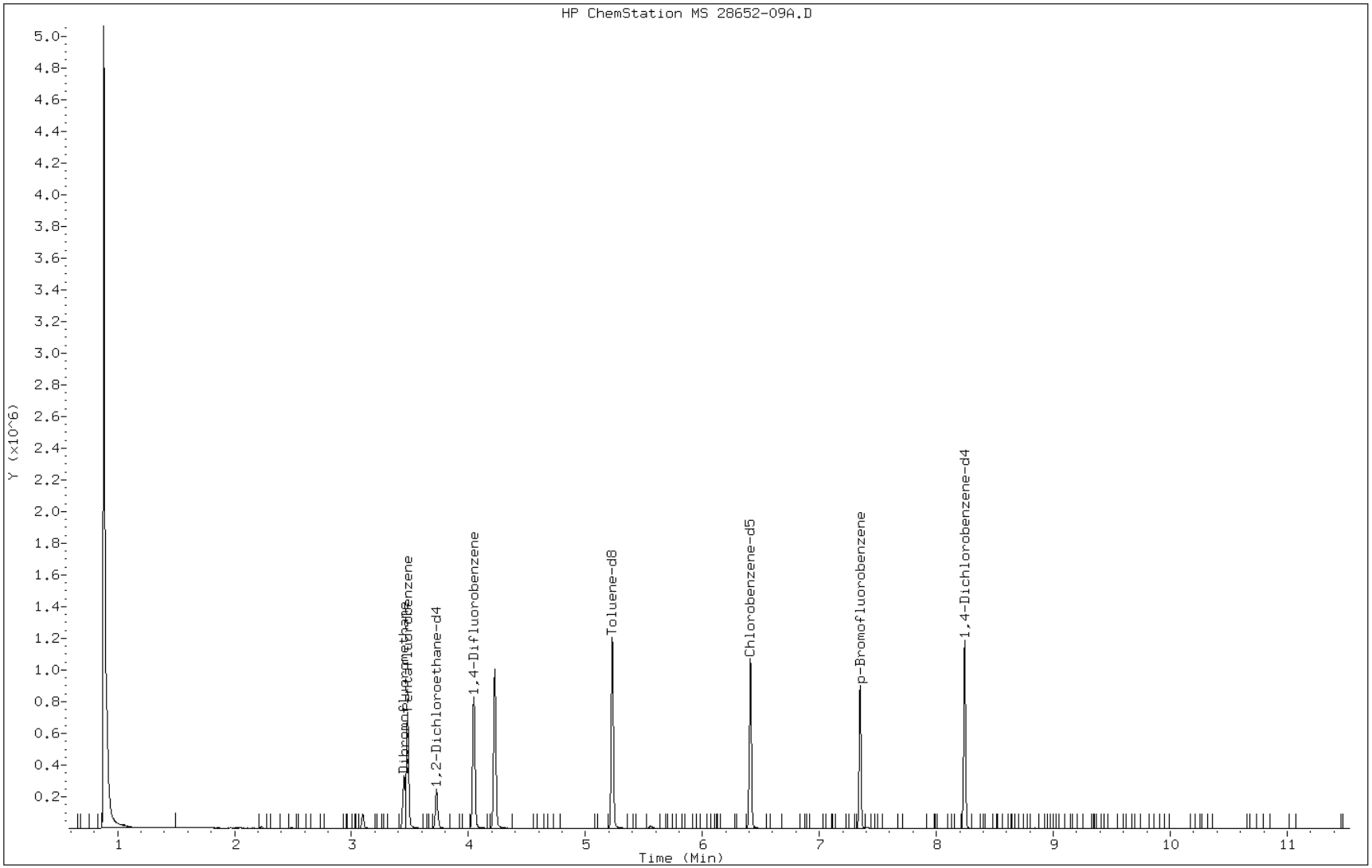
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	149074	25.3580	25.358
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	408133	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	126657	27.2884	27.288
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	552893	25.0000	
57 Trichloroethene	130	4.223	4.223	(1.043)	289471	37.5863	751.72
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	636659	25.4778	25.478
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	472515	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	208874	23.9566	23.957
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	247802	25.0000	

Data File: 28652-09A.D

Date: 28-OCT-2010 21:53

Client ID: OLD-MW-9 Instrument: ms22.i

Sample Info: 500-28652-C-9 Operator: EA



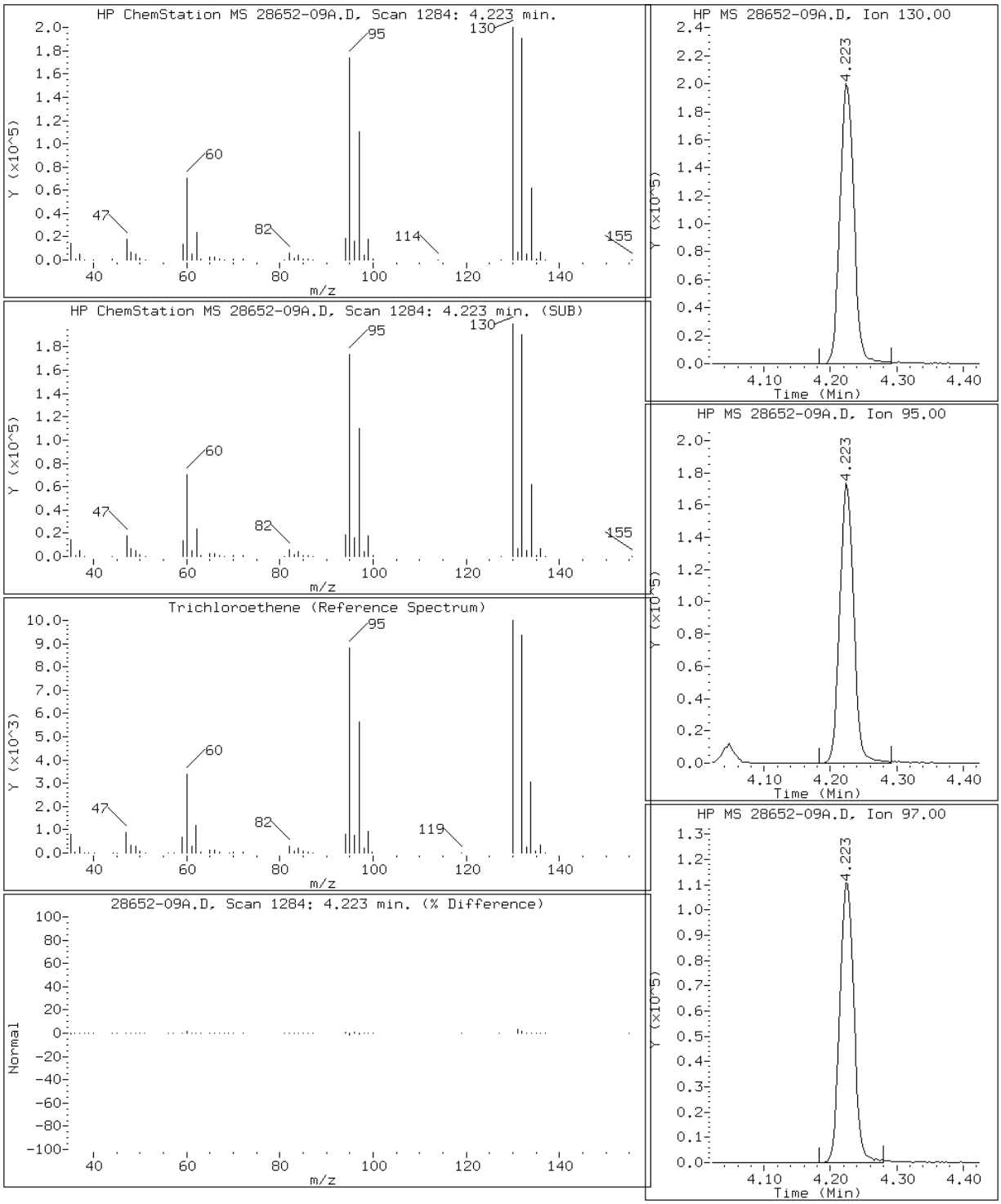
Data File: 28652-09A.D

Date: 28-OCT-2010 21:53

Client ID: OLD-MW-9 Instrument: ms22.i

Sample Info: 500-28652-C-9 Operator: EA

57 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-5 | Lab Sample ID: 500-28652-10

Matrix: Water | Lab File ID: 28652-10.D

Analysis Method: 8260B | Date Collected: 10/19/2010 14:20

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 22:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.59	J	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.24	U	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-129
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-115
1868-53-7	Dibromofluoromethane	105		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-10.D
Lab Smp Id: 500-28652-C-10 Client Smp ID: VLF-MW-5
Inj Date : 28-OCT-2010 22:16
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-C-10
Misc Info : 500-28652-C-10
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

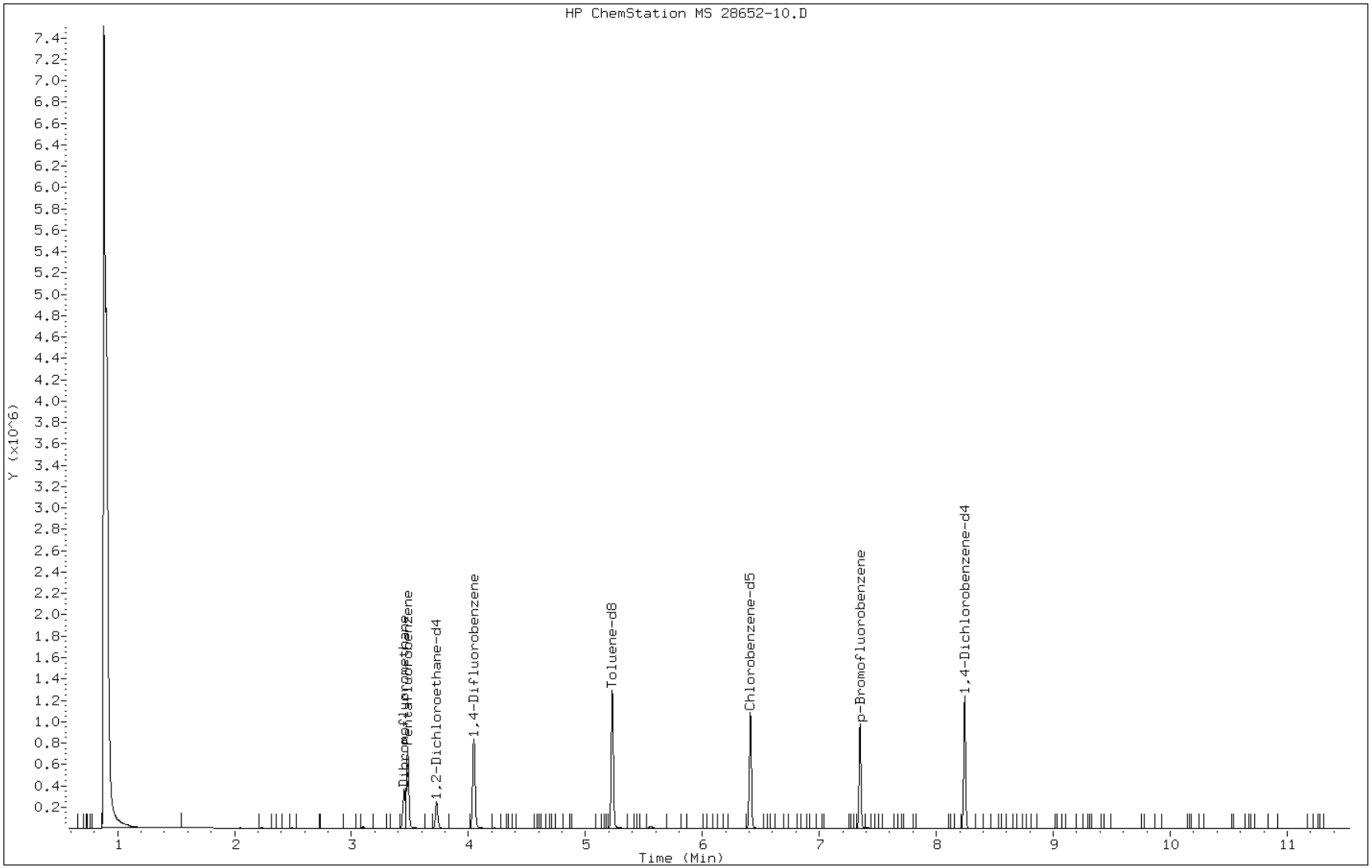
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	4045	0.59208	0.5921
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	160023	26.2725	26.272
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	422860	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	132474	27.6140	27.614
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	571468	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	678472	26.2685	26.268
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	490741	25.0000	
$ 89 p-Bromofluorobenzene	95	7.348	7.347	(1.146)	220100	24.3066	24.307
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	255595	25.0000	
M 115 1,2-Dichloroethene (total)	96				4045	0.60437	0.6044

Data File: 28652-10.D

Date: 28-OCT-2010 22:16

Client ID: VLF-MW-5 Instrument: ms22.i

Sample Info: 500-28652-C-10 Operator: EA



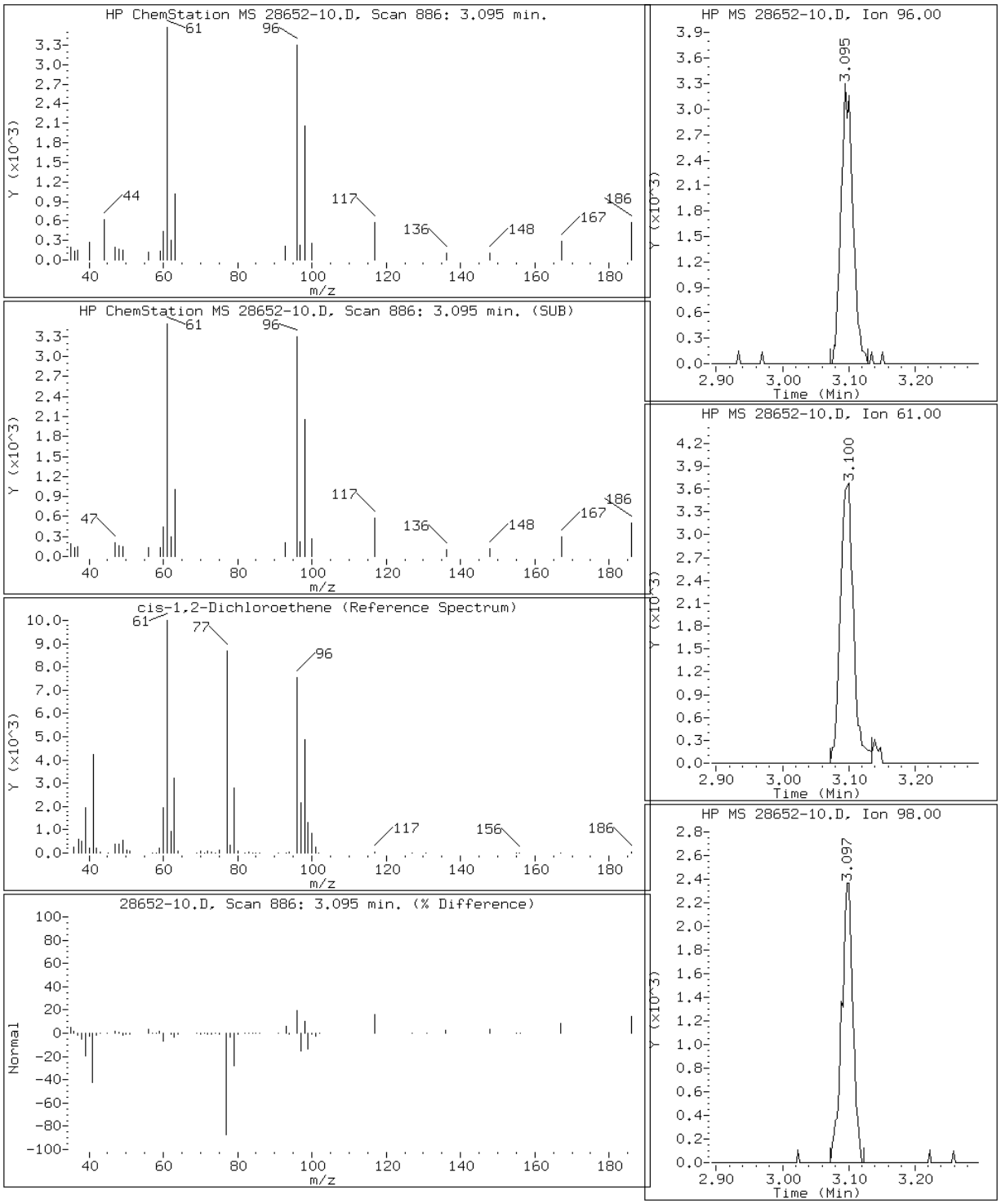
Data File: 28652-10.D

Date: 28-OCT-2010 22:16

Client ID: VLF-MW-5 Instrument: ms22.i

Sample Info: 500-28652-C-10 Operator: EA

31 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-6 | Lab Sample ID: 500-28652-11

Matrix: Water | Lab File ID: 28652-11.D

Analysis Method: 8260B | Date Collected: 10/19/2010 13:30

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 22:39

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	8.5	U	50	8.5
156-60-5	trans-1,2-Dichloroethene	200		50	16
100-41-4	Ethylbenzene	9.0	U	50	9.0
79-01-6	Trichloroethene	20	J	50	12
127-18-4	Tetrachloroethene	11	U	50	11
108-88-3	Toluene	9.5	U	50	9.5
75-01-4	Vinyl chloride	4700		50	10
1330-20-7	Xylenes, Total	16	U	100	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-129
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-115
1868-53-7	Dibromofluoromethane	103		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-11.D
Lab Smp Id: 500-28652-E-11 Client Smp ID: VLF-MW-6
Inj Date : 28-OCT-2010 22:39
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-e-11
Misc Info : 500-28652-E-11
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 29
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl chloride	62	1.163	1.163	(0.334)	569144	93.7882	4689.4
13 1,1-Dichloroethene	96	1.886	1.880	(0.542)	4305	1.07089	53.545
24 trans-1,2-Dichloroethene	96	2.371	2.368	(0.681)	26020	3.96034	198.02
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	3255	0.29882	14.941(a)
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	1535526	224.208	11210(A)
$ 41 Dibromofluoromethane	113	3.451	3.449	(0.992)	156799	25.6798	25.680
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	423904	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	130406	26.9455	26.946
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	576502	25.0000	
57 Trichloroethene	130	4.228	4.223	(1.046)	3149	0.39214	19.607(a)
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	653556	25.0829	25.083
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	489961	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	213784	23.6467	23.647
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	250647	25.0000	
M 115 1,2-Dichloroethene (total)	96				1561546	232.740	11637(A)

QC Flag Legend

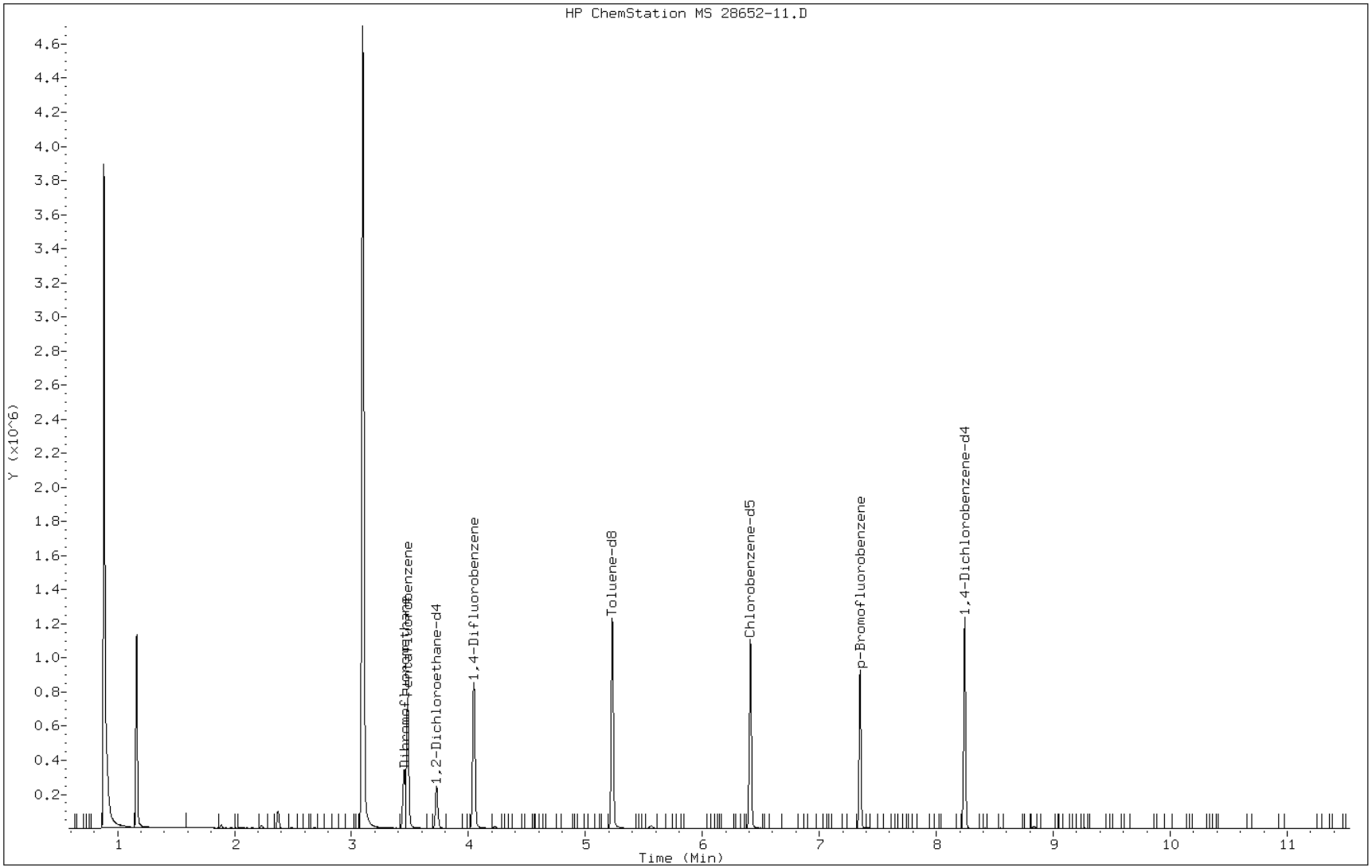
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: 28652-11.D

Date: 28-OCT-2010 22:39

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA



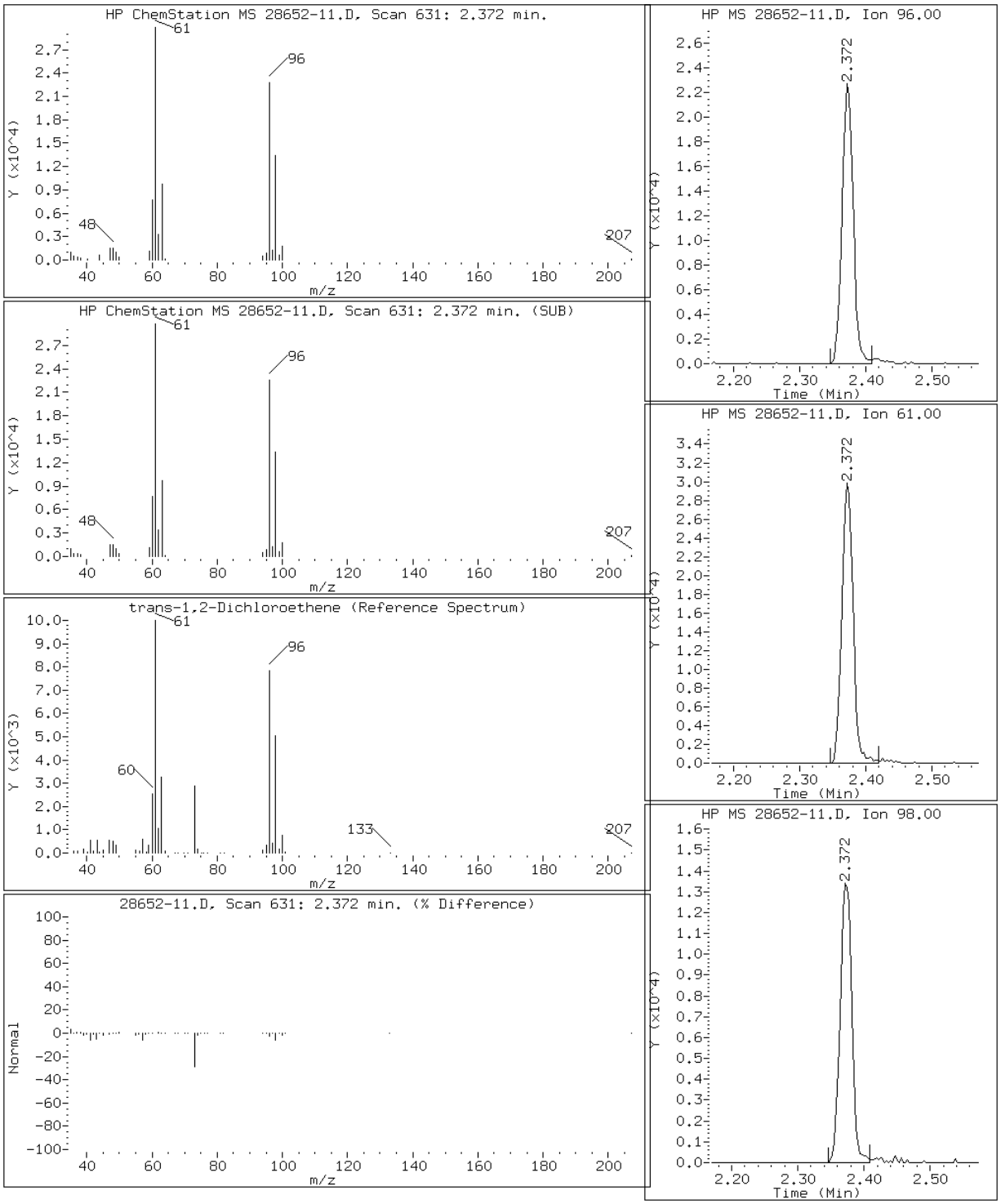
Data File: 28652-11.D

Date: 28-OCT-2010 22:39

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA

24 trans-1,2-Dichloroethene



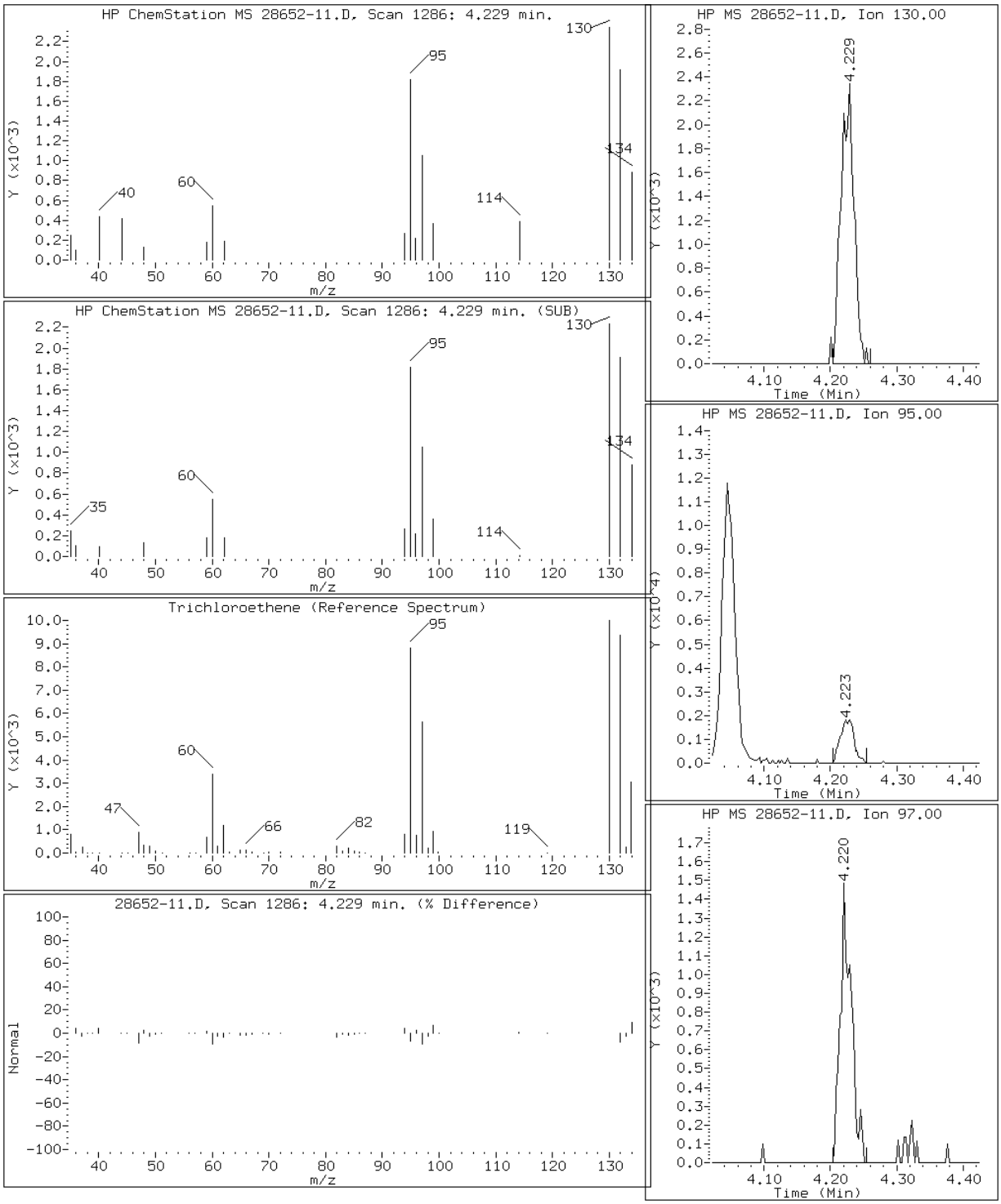
Data File: 28652-11.D

Date: 28-OCT-2010 22:39

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA

57 Trichloroethene



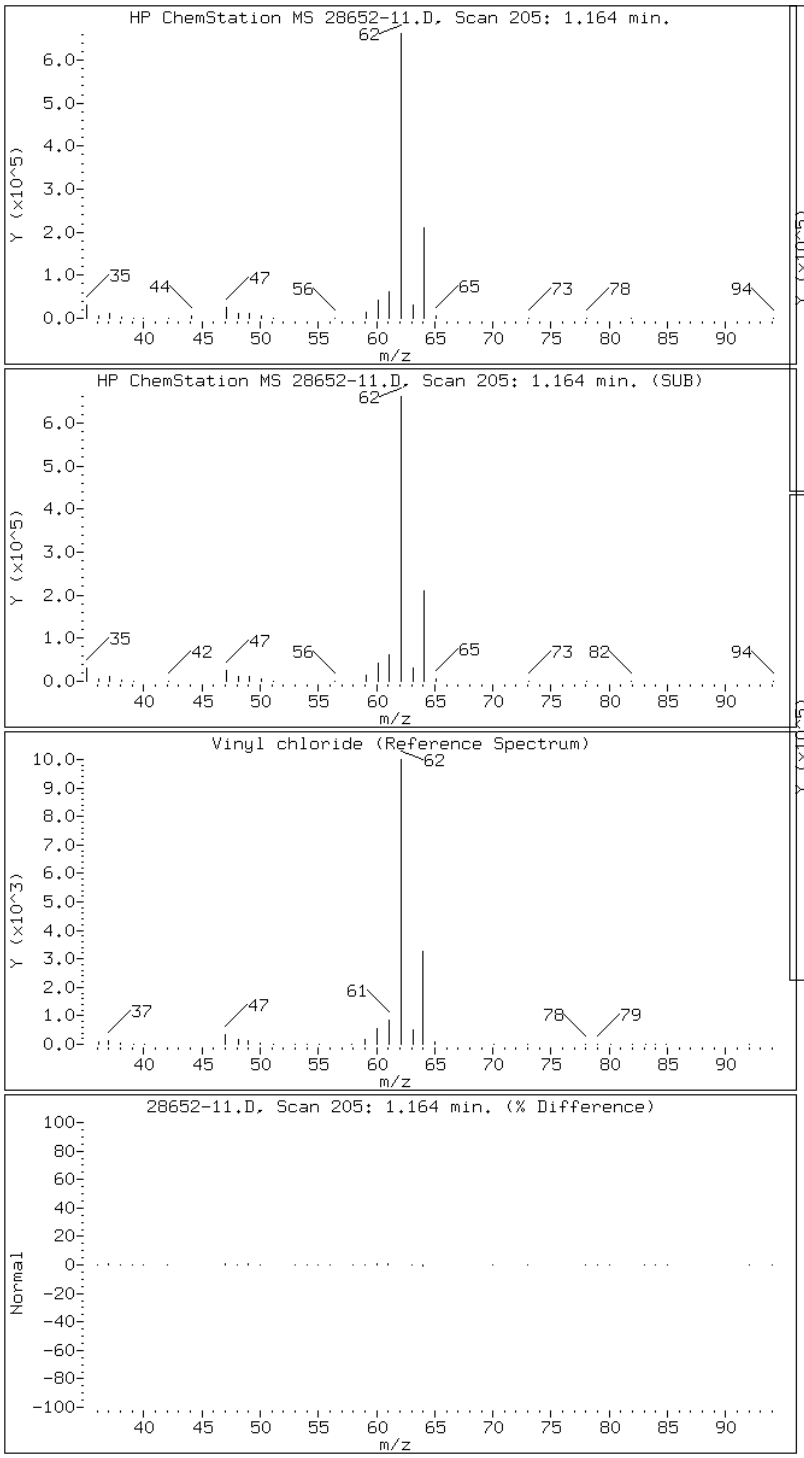
Data File: 28652-11.D

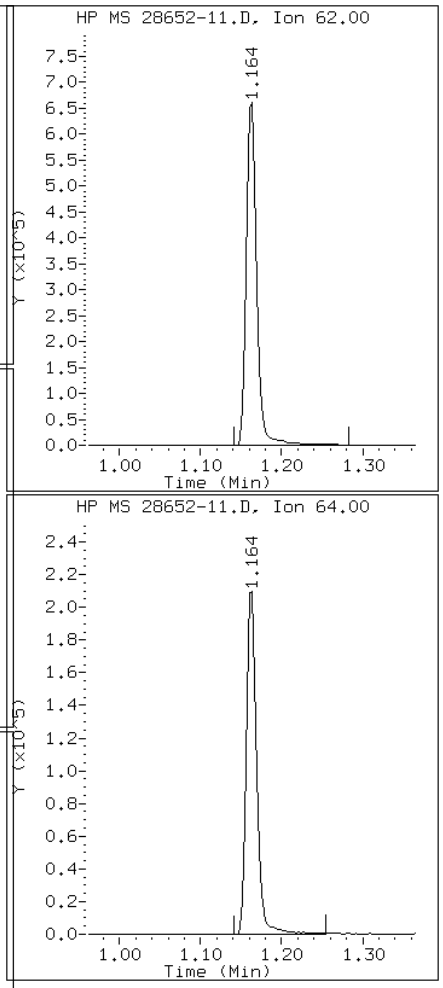
Date: 28-OCT-2010 22:39

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA

3 Vinyl chloride





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-6 DL | Lab Sample ID: 500-28652-11 DL

Matrix: Water | Lab File ID: 28652-11A.D

Analysis Method: 8260B | Date Collected: 10/19/2010 13:30

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 23:02

Soil Aliquot Vol: | Dilution Factor: 500

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	12000		500	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-129
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-115
1868-53-7	Dibromofluoromethane	100		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-11A.D
Lab Smp Id: 500-28652-E-11 Client Smp ID: VLF-MW-6
Inj Date : 28-OCT-2010 23:02
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-e-11
Misc Info : 500-28652-E-11
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 30
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	500.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

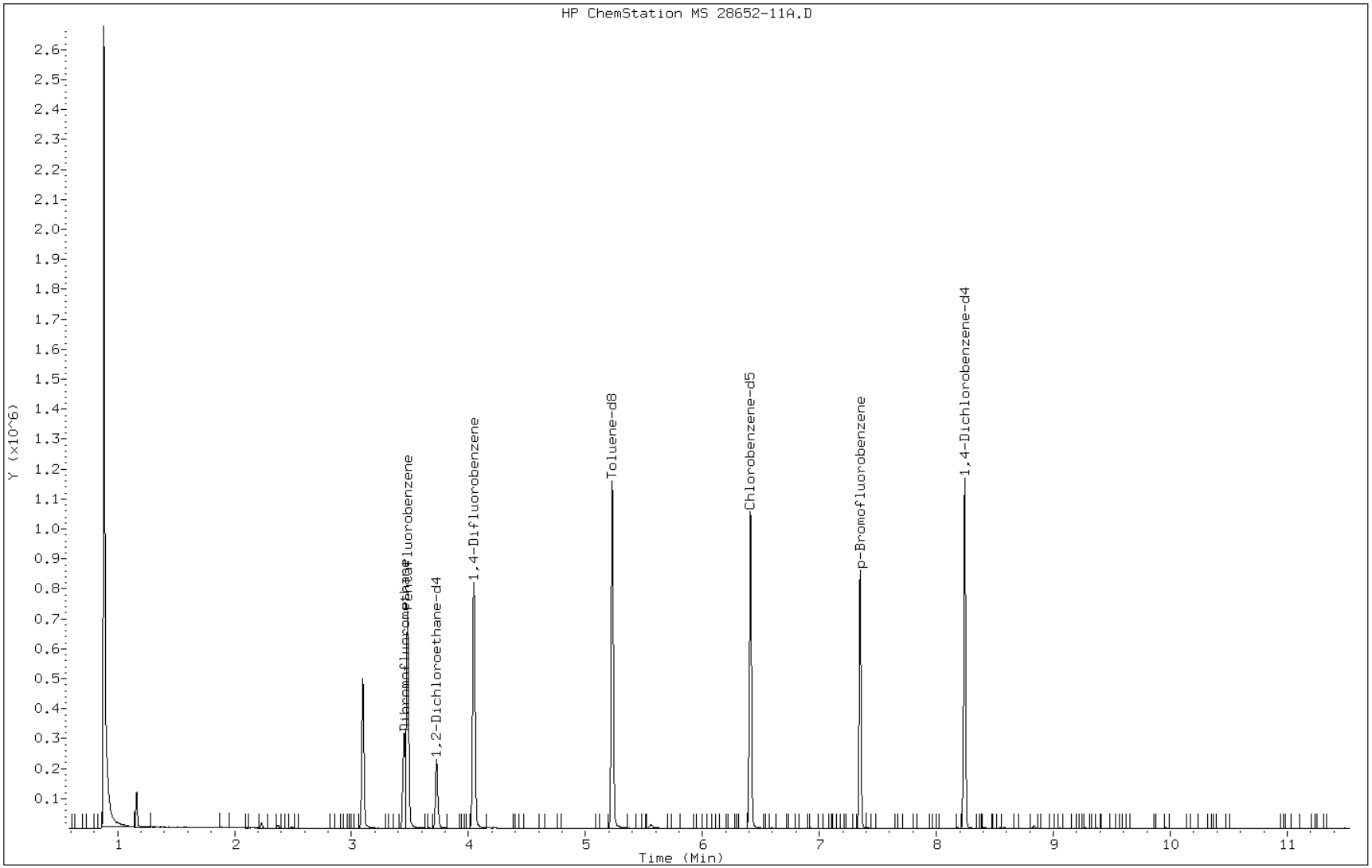
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	157417	24.4094	12205
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	143981	25.0417	25.042
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	399169	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	121425	26.2063	26.206
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	551941	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	602218	24.1411	24.141
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	473362	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	196181	22.4606	22.460
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	241984	25.0000	
M 115 1,2-Dichloroethene (total)	96				157417	24.9160	12458

Data File: 28652-11A.D

Date: 28-OCT-2010 23:02

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA



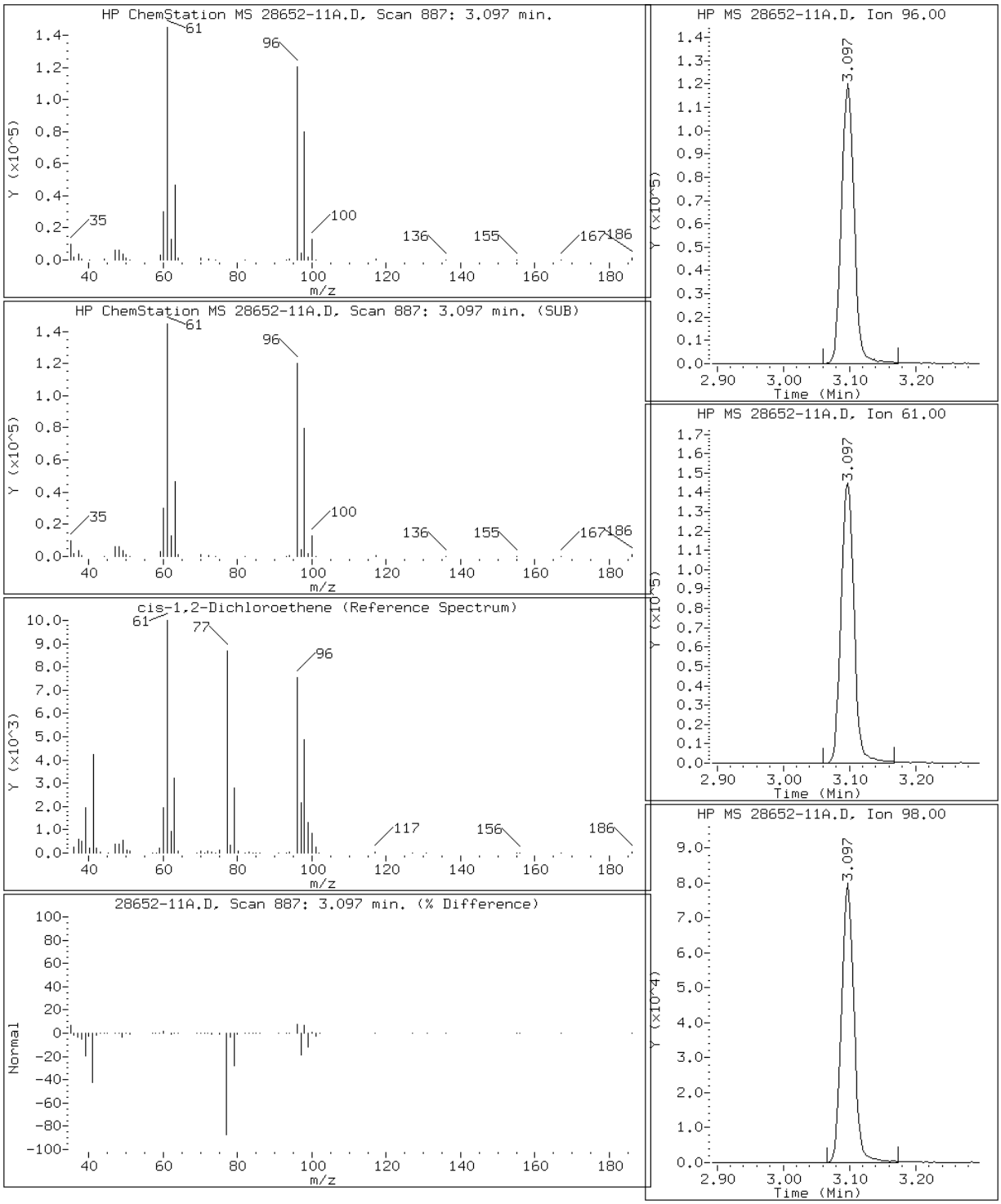
Data File: 28652-11A.D

Date: 28-OCT-2010 23:02

Client ID: VLF-MW-6 Instrument: ms22.i

Sample Info: 500-28652-e-11 Operator: EA

31 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: TRIP BLANK-2 | Lab Sample ID: 500-28652-12

Matrix: Water | Lab File ID: 28652-12A.D

Analysis Method: 8260B | Date Collected: 10/19/2010 13:30

Sample wt/vol: 10(mL) | Date Analyzed: 10/29/2010 14:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98526 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.24	U	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-129
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-115
1868-53-7	Dibromofluoromethane	100		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102910.b\28652-12A.D
Lab Smp Id: 500-28652-D-12 Client Smp ID: TRIP BLANK-2
Inj Date : 29-OCT-2010 14:33
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-d-12
Misc Info : 500-28652-D-12
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102910.b\water22.m
Meth Date : 29-Oct-2010 14:33 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

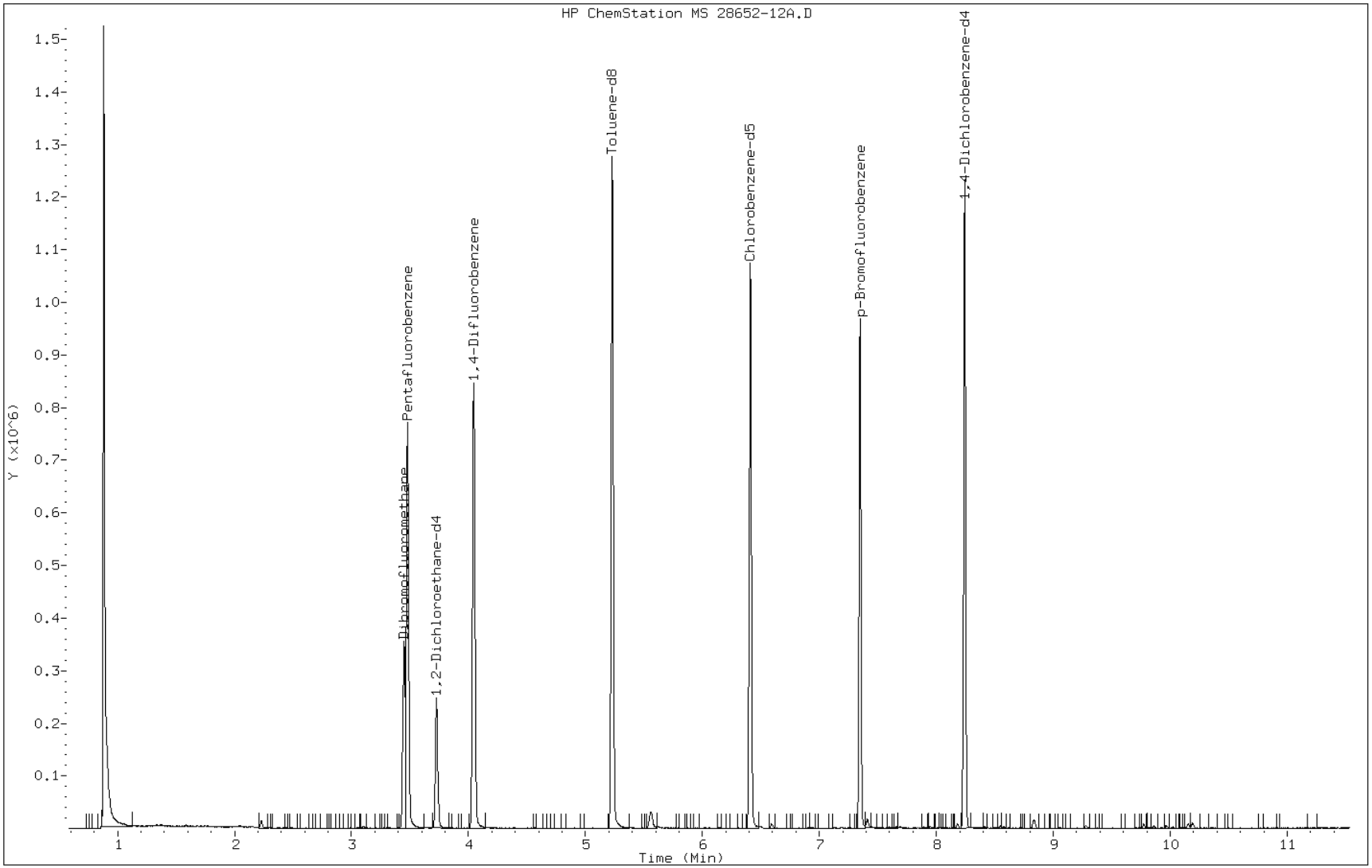
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	156092	24.8911	24.891
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	435364	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.726	(0.921)	126650	26.2864	26.286
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	573938	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	680711	26.2418	26.242
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	490700	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	223493	24.6834	24.683
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	259058	25.0000	

Data File: 28652-12A.D

Date: 29-OCT-2010 14:33

Client ID: TRIP BLANK-2 Instrument: ms22.i

Sample Info: 500-28652-d-12 Operator: EA



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-98283/2	22I1027B.D
Level 2	IC 500-98283/3	22I1027C.D
Level 3	IC 500-98283/4	22I1027D.D
Level 4	IC 500-98283/5	22I1027E1.D
Level 5	IC 500-98283/6	22I1027F.D
Level 6	IC 500-98283/7	22I1027G.D
Level 7	IC 500-98283/8	22I1027H.D
Level 8	IC 500-98283/9	22I1027I.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 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.4004	0.3410 0.4497	0.3057 0.4252	0.2758	0.4118	Lin1	0.0228	0.4278							0.9938		
Chloromethane	+++++ 0.4062	0.4083 0.4675	0.3789 0.4498	0.3809	0.4146	Ave		0.4152				8.0					
Vinyl chloride	0.3327 0.3600	0.3365 0.4245	0.3151 0.3988	0.3359	0.3596	Ave		0.3579				10.3					
Bromomethane	+++++ 0.0761	0.0755 0.0813	0.0663 0.0822	0.0805	0.0778	Ave		0.0771				7.0					
Chloroethane	+++++ 0.1322	0.1537 0.0477	0.1329 0.0472	0.0451	0.1468	Ave		0.1008				50.8					
Trichlorofluoromethane	+++++ 0.4955	0.4991 0.4832	0.4774 0.4705	0.4567	0.5136	Ave		0.4851				3.9					
Acetone	+++++ 0.0202	+++++ 0.0249	0.0428 0.0239	0.0296	0.0206	Qua	-0.125	54.067	-125.5		0.0100				0.9924		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2958	0.2958 0.3210	0.2925 0.2975	0.2967	0.2827	Ave		0.2974				3.9					
Acrolein	+++++ 0.0104	0.0088 0.0128	0.0094 0.0123	0.0135	0.0094	Qua	0.3304	97.347	-9.266		0.0010				0.9938		0.9900
Carbon disulfide	+++++ 0.7481	0.6548 0.8924	0.6486 0.8016	0.7171	0.6944	Ave		0.7367				11.8					
1,1-Dichloroethene	0.2556 0.2370	0.2501 0.2446	0.2349 0.2209	0.2317	0.2220	Ave		0.2371				5.3					
Acetonitrile	+++++ 0.0144	0.0139 0.0179	0.0110 0.0174	0.0183	0.0132	Qua	0.1008	70.554	-26.07		0.0010				0.9939		0.9900
Methylene Chloride	+++++ 0.3090	0.3997 0.3548	0.3767 0.3309	0.3623	0.2906	Ave		0.3463				11.1					
Methyl tert-butyl ether	+++++ 0.4826	0.4586 0.5677	0.4512 0.5568	0.5416	0.4416	Ave		0.5000				10.8					

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

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 5		B	M1	M2								
Acrylonitrile	+++++ 0.0442	0.0418 0.0532	0.0431 0.0532	0.0554	0.0417	Ave		0.0475				12.9					
2-Butanone (MEK)	+++++ 0.0432	+++++ 0.0571	0.0642 0.0583	0.0642	0.0412	Qua	-0.057	24.586	-32.39		0.0100				0.9904		0.9900
trans-1,2-Dichloroethene	0.3942 0.3806	0.3625 0.4244	0.3706 0.3927	0.4114	0.3634	Ave		0.3875				5.8					
Vinyl acetate	+++++ 0.2359	0.1867 0.2656	0.1973 0.2832	0.2589	0.2218	Lin1	0.0205	0.2666							0.9931		
Tetrahydrofuran	+++++ 0.0287	+++++ 0.0353	0.0322 0.0344	0.0372	0.0277	Ave		0.0326				11.5					
1,1-Dichloroethane	0.6498 0.6365	0.6119 0.7140	0.6201 0.6651	0.6588	0.5830	Ave		0.6424				6.2					
Propionitrile	+++++ 0.0119	0.0119 0.0147	0.0112 0.0142	0.0151	0.0111	Ave		0.0129				13.4					
Bromochloromethane	+++++ 0.1567	0.1446 0.1775	0.1482 0.1678	0.1643	0.1450	Ave		0.1577				8.0					
2,2-Dichloropropane	0.4374 0.5007	0.4059 0.6022	0.4158 0.5432	0.5104	0.4493	Ave		0.4831				14.1					
cis-1,2-Dichloroethene	0.3975 0.3998	0.3912 0.4445	0.3866 0.4180	0.4246	0.3690	Ave		0.4039				5.9					
Chloroform	0.6130 0.6164	0.5837 0.6961	0.5998 0.6479	0.6452	0.5826	Ave		0.6231				6.2					
1,1,1-Trichloroethane	0.5712 0.5912	0.5267 0.6874	0.5082 0.6326	0.5995	0.5414	Ave		0.5823				10.1					
Carbon tetrachloride	0.3478 0.4143	0.2702 0.4820	0.3054 0.4304	0.3953	0.3394	Lin1	0.0133	0.4384							0.9907		
1,1-Dichloropropene	0.6216 0.5296	0.5131 0.5869	0.5163 0.5395	0.5490	0.4923	Ave		0.5435				7.8					
Benzene	1.1147 1.0391	1.0637 1.1871	1.0355 1.0793	1.1329	0.9612	Ave		1.0767				6.4					
2-Chloroethyl vinyl ether	+++++ 0.0801	+++++ 0.0849	0.0637 0.0879	0.0834	0.0751	Ave		0.0792				11.0					
1,2-Dichloroethane	0.2390 0.2272	0.2257 0.2621	0.2196 0.2452	0.2529	0.2141	Ave		0.2357				7.2					
4-Methyl-2-pentanone (MIBK)	+++++ 0.0670	+++++ 0.0910	0.0657 0.0919	0.0908	0.0637	Qua	0.0037	15.181	-12.43		0.0100				0.9900		0.9900
1,2-Dichloropropane	+++++ 0.2343	0.2254 0.2660	0.2280 0.2468	0.2514	0.2155	Ave		0.2382				7.3					
Dibromomethane	+++++ 0.0984	0.0917 0.1122	0.0906 0.1051	0.1071	0.0923	Ave		0.0996				8.6					

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

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 5		B	M1	M2								
Bromodichloromethane	+++++ 0.2796	0.2222 0.3360	0.2237 0.3115	0.2843	0.2580	Lin1	0.0215	0.3115							0.9930		
Trichloroethene	0.3487 0.3434	0.3356 0.3877	0.3314 0.3508	0.3687	0.3196	Ave		0.3482				6.2					
2-Hexanone	+++++ 0.0534	+++++ 0.0742	0.0463 0.0751	0.0647	0.0496	Ave		0.0606				20.7					
cis-1,3-Dichloropropene	0.2395 0.3153	0.2228 0.3754	0.2262 0.3481	0.3200	0.2856	Lin1	0.0142	0.3469							0.9927		
Dibromochloromethane	+++++ 0.2258	0.1541 0.2764	0.1511 0.2613	0.2154	0.2045	Lin1	0.0309	0.2576							0.9907		
Toluene	0.7104 0.7104	0.6650 0.8240	0.6894 0.7387	0.7884	0.6799	Ave		0.7258				7.6					
trans-1,3-Dichloropropene	0.1762 0.2342	0.1677 0.2869	0.1574 0.2667	0.2369	0.2129	Lin1	0.0158	0.2639							0.9907		
1-Chlorohexane	+++++ 0.5961	0.5931 0.6735	0.5488 0.6160	0.6344	0.5704	Ave		0.6046				6.8					
1,1,2-Trichloroethane	0.2220 0.2003	0.2006 0.2236	0.1864 0.2155	0.2189	0.1988	Ave		0.2083				6.5					
1,1,1,2-Tetrachloroethane	+++++ 0.3030	0.2323 0.3535	0.2374 0.3234	0.3046	0.2881	Lin1	0.0198	0.3285							0.9953		
Tetrachloroethene	0.4897 0.4674	0.4583 0.5253	0.4460 0.4693	0.4974	0.4312	Ave		0.4731				6.4					
1,3-Dichloropropane	0.2961 0.2859	0.2732 0.3271	0.2674 0.3099	0.3035	0.2738	Ave		0.2921				7.1					
1,2-Dibromoethane	0.1365 0.1438	0.1193 0.1667	0.1261 0.1586	0.1551	0.1358	Ave		0.1427				11.5					
Bromoform	+++++ 0.1130	0.0749 0.1446	0.0712 0.1386	0.1029	0.0992	Qua	0.0633	8.8560	-3.561		0.1000				0.9933		0.9900
Isopropylbenzene	+++++ 3.4087	3.0831 3.6329	3.0431 3.3149	3.5875	3.3359	Ave		3.3437				6.8					
Chlorobenzene	1.0458 0.9679	0.9312 1.0750	0.9299 0.9922	1.0289	0.9227	Ave		0.9867				5.9					
Ethylbenzene	0.5621 0.5454	0.5170 0.6216	0.5109 0.5533	0.5969	0.5235	Ave		0.5538				7.1					
Bromobenzene	+++++ 0.7489	0.7271 0.7947	0.6736 0.7456	0.7869	0.7413	Ave		0.7454				5.4					
1,2,3-Trichloropropane	+++++ 0.0951	0.0968 0.1034	0.0943 0.1009	0.0998	0.0953	Ave		0.0979				3.5					
m&p-Xylene	1.3071 1.2984	1.2351 1.4736	1.2363 1.3103	1.4240	1.2423	Ave		1.3159				6.8					

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

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 5		B	M1	M2								
o-Xylene	1.2202 1.2984	1.1400 1.4927	1.1179 1.3530	1.3719	1.2340	Ave		1.2785				9.8					
Styrene	0.9192 1.0374	0.8889 1.1927	0.9056 1.0793	1.1091	0.9894	Ave		1.0152				10.7					
1,3-Dichlorobenzene	+++++ 1.5209	1.6285 1.6036	1.5261 1.4503	1.7322	1.5404	Ave		1.5717				5.8					
1,4-Dichlorobenzene	+++++ 1.5204	1.6285 1.6065	1.5247 1.4503	1.7322	1.5408	Ave		1.5719				5.8					
p-Isopropyltoluene	+++++ 3.3077	2.9819 3.5392	3.0331 3.1587	3.6030	3.2464	Ave		3.2672				7.3					
1,2-Dichlorobenzene	+++++ 1.3277	1.3397 1.4237	1.2884 1.3328	1.4366	1.3060	Ave		1.3507				4.2					
1,1,2,2-Tetrachloroethane	0.3191 0.2968	0.2946 0.3262	0.2843 0.3180	0.3308	0.3056	Ave		0.3094				5.4					
N-Propylbenzene	3.7522 3.8461	3.5749 4.1525	3.4774 3.7357	4.1079	3.8032	Ave		3.8062				6.1					
2-Chlorotoluene	2.3078 2.1346	2.0450 2.2956	1.9886 2.1182	2.2695	2.0953	Ave		2.1568				5.6					
1,3,5-Trimethylbenzene	2.5655 2.8055	2.5055 3.0075	2.5228 2.7514	2.9441	2.7228	Ave		2.7281				6.9					
4-Chlorotoluene	2.2565 2.2161	2.0861 2.3954	2.0583 2.1704	2.3607	2.1751	Ave		2.2148				5.4					
tert-Butylbenzene	2.5167 2.5993	2.3480 2.7774	2.2868 2.5606	2.7432	2.5169	Ave		2.5436				6.7					
1,2,4-Trimethylbenzene	2.5376 2.7378	2.4406 2.9510	2.4911 2.6964	2.8984	2.6858	Ave		2.6798				6.9					
sec-Butylbenzene	3.7315 3.8480	3.5031 4.1409	3.5068 3.7630	4.0954	3.7309	Ave		3.7900				6.2					
n-Butylbenzene	2.8151 2.9106	2.5990 3.1982	2.5493 2.8347	3.1697	2.8079	Ave		2.8606				8.2					
1,2,4-Trichlorobenzene	+++++ 0.9772	0.8830 1.0998	0.8377 0.9873	1.0888	0.9286	Ave		0.9718				10.1					
Hexachlorobutadiene	+++++ 0.6721	0.6580 0.7458	0.6276 0.6538	0.7591	0.6239	Ave		0.6772				8.0					
Naphthalene	+++++ 1.2669	0.9289 1.4258	0.9055 1.3733	1.3974	1.2047	Lin1	0.0199	1.3690							0.9967		
1,2,3-Trichlorobenzene	+++++ 0.7519	0.6862 0.8386	0.6528 0.7780	0.8872	0.7288	Ave		0.7605				10.8					
1,2-Dibromo-3-Chloropropane	0.0193 0.0399	0.0239 0.0504	0.0292 0.0488	0.0424	0.0383	Qua	0.0270	25.231	-27.63		0.0100				0.9953		0.9900

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

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 5		B	M1	M2								
1,2-Dichloroethene, Total	0.3958 0.3902	0.3769 0.4345	0.3786 0.4054	0.4180	0.3662	Ave		0.3957				5.8					
Dibromofluoromethane	+++++ 0.3418	+++++ 0.3673	+++++ 0.3663	0.3779	0.3472	Ave		0.3601				4.2					
1,2-Dichloroethane-d4 (Surr)	+++++ 0.1930	+++++ 0.2196	+++++ 0.2136	0.2235	0.1997	Ave		0.2099				6.2					
Toluene-d8 (Surr)	+++++ 1.0645	+++++ 1.1752	+++++ 1.1179	1.2045	1.0874	Ave		1.1299				5.2					
4-Bromofluorobenzene (Surr)	+++++ 0.4302	+++++ 0.4837	+++++ 0.4619	0.5081	0.4226	Ave		0.4613				7.8					

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-98283/2	22I1027B.D
Level 2	IC 500-98283/3	22I1027C.D
Level 3	IC 500-98283/4	22I1027D.D
Level 4	IC 500-98283/5	22I1027E1.D
Level 5	IC 500-98283/6	22I1027F.D
Level 6	IC 500-98283/7	22I1027G.D
Level 7	IC 500-98283/8	22I1027H.D
Level 8	IC 500-98283/9	22I1027I.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	PFB	Lin1	+++++ 427865	7151 704384	15120 941187	58665	215315	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Chloromethane	PFB	Ave	+++++ 434040	8563 732402	18737 995703	81024	216788	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Vinyl chloride	PFB	Ave	3568 384679	7057 664978	15585 882728	71451	188030	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Bromomethane	PFB	Ave	+++++ 81296	1583 127303	3281 181974	17123	40696	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Chloroethane	PFB	Ave	+++++ 141306	3223 74727	6572 104495	9585	76780	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Trichlorofluoromethane	PFB	Ave	+++++ 529505	10467 756896	23609 1041576	97126	268567	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Acetone	PFB	Qua	+++++ 21564	+++++ 38944	2117 52967	6288	10762	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	PFB	Ave	+++++ 316142	6204 502775	14463 658538	63100	147825	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Acrolein	PFB	Qua	+++++ 445945	7398 801372	18586 1090475	114860	197592	+++++ 2000	40.0 3000	100 4000	400	1000
Carbon disulfide	PFB	Ave	+++++ 799423	13732 1397916	32076 1774461	152513	363115	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1-Dichloroethene	PFB	Ave	2741 253235	5244 383108	11616 488983	49277	116102	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Acetonitrile	PFB	Qua	+++++ 123080	2325 224167	4364 307372	31135	55057	+++++ 400	8.00 600	20.0 800	80.0	200
Methylene Chloride	PFB	Ave	+++++ 330152	8383 555791	18631 732444	77067	151966	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Methyl tert-butyl ether	PFB	Ave	+++++ 515692	9618 889289	22314 1232508	115188	230925	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Acrylonitrile	PFB	Ave	+++++ 377744	7006 666997	17054 942454	94304	174438	+++++ 400	8.00 600	20.0 800	80.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Butanone (MEK)	PFB	Qua	+++++ 46149	+++++ 89493	3175 128979	13662	21562	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
trans-1,2-Dichloroethene	PFB	Ave	4228 406708	7603 664794	18328 869224	87509	190014	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Vinyl acetate	PFB	Lin1	+++++ 252127	3915 416042	9757 626939	55075	116003	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Tetrahydrofuran	PFB	Ave	+++++ 30662	+++++ 55334	1592 76081	7905	14505	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
1,1-Dichloroethane	PFB	Ave	6969 680214	12832 1118501	30668 1472332	140114	304844	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Propionitrile	DFB	Ave	+++++ 139731	2741 249305	6110 350405	34830	64769	+++++ 400	8.00 600	20.0 800	80.0	200
Bromochloromethane	PFB	Ave	+++++ 167447	3032 278075	7327 371487	34939	75833	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
2,2-Dichloropropane	PFB	Ave	4691 535078	8513 943369	20564 1202413	108556	234941	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
cis-1,2-Dichloroethene	PFB	Ave	4263 427222	8204 696345	19121 925331	90308	192946	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Chloroform	PFB	Ave	6575 658672	12241 1090461	29663 1434254	137233	304649	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1,1-Trichloroethane	PFB	Ave	6126 631793	11046 1076808	25130 1400419	127502	283106	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Carbon tetrachloride	DFB	Lin1	5114 608741	7766 1023521	20903 1323335	113834	246501	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1-Dichloropropene	PFB	Ave	6667 565956	10760 919335	25531 1194182	116778	257443	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Benzene	DFB	Ave	16389 1526732	30572 2520660	70883 3318351	326230	698185	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
2-Chloroethyl vinyl ether	DFB	Ave	+++++ 117661	+++++ 180240	4362 270291	24004	54579	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
1,2-Dichloroethane	DFB	Ave	3514 333856	6486 556646	15034 753740	72839	155508	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
4-Methyl-2-pentanone (MIBK)	DFB	Qua	+++++ 98410	+++++ 193146	4497 282635	26146	46241	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
1,2-Dichloropropane	DFB	Ave	+++++ 344293	6479 564771	15606 758893	72408	156549	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Dibromomethane	DFB	Ave	+++++ 144626	2635 238299	6203 323049	30844	67028	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Bromodichloromethane	DFB	Lin1	+++++ 410783	6387 713432	15310 957601	81874	187412	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Trichloroethene	DFB	Ave	5127 504513	9647 823261	22688 1078427	106164	232109	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Hexanone	CBZ	Ave	+++++ 65128	+++++ 131514	2707 191634	15762	30499	+++++ 50.0	+++++ 75.0	2.50 100	10.0	25.0
cis-1,3-Dichloropropene	DFB	Lin1	3522 463316	6403 797080	15486 1070322	92144	207428	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Dibromochloromethane	CBZ	Lin1	+++++ 275171	3734 490097	8841 666490	52482	125750	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Toluene	DFB	Ave	10445 1043789	19113 1749607	47191 2271003	227044	493803	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
trans-1,3-Dichloropropene	DFB	Lin1	2590 344104	4820 609229	10776 819950	68224	154654	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1-Chlorohexane	PFB	Ave	+++++ 637026	12437 1055039	27142 1363636	134923	298267	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1,2-Trichloroethane	PFB	Ave	2381 214075	4206 350296	9216 477061	46558	103936	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	+++++ 369329	5627 626909	13887 824848	74200	177123	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Tetrachloroethene	CBZ	Ave	6040 569626	11104 931674	26089 1197142	121164	265088	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	3652 348438	6620 580020	15644 790426	73937	168357	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2-Dibromoethane	DFB	Ave	2007 211226	3430 353913	8632 487542	44670	98640	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Bromoform	CBZ	Qua	+++++ 137699	1815 256502	4162 353533	25064	60962	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 2252076	39174 3776452	95314 4862770	475861	1083348	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Chlorobenzene	CBZ	Ave	12898 1179655	22561 1906432	54398 2530981	250631	567291	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Ethylbenzene	CBZ	Ave	6932 664689	12526 1102437	29886 1411427	145409	321888	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 494758	9239 826129	21099 1093760	104376	240735	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 62805	1230 107515	2955 147954	13239	30946	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
m&p-Xylene	CBZ	Ave	32242 3164944	59846 5226672	144640 6684784	693747	1527627	1.00 100	2.00 150	5.00 200	20.0	50.0
o-Xylene	CBZ	Ave	15049 1582537	27619 2647178	65393 3451348	334204	758678	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
Styrene	CBZ	Ave	11337 1264333	21535 2115270	52976 2753272	270177	608310	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1004863	20692 1666999	47801 2127518	229773	500243	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 1004532	20691 1669979	47757 2127518	229773	500363	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
p-Isopropyltoluene	DCB	Ave	+++++ 2185394	37888 3679101	95000 4633680	477921	1054281	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 877180	17022 1479932	40353 1955157	190551	424124	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	2034 196069	3743 339060	8906 466435	43876	99239	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
N-Propylbenzene	DCB	Ave	23920 2541077	45422 4316541	108917 5480034	544885	1235102	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
2-Chlorotoluene	DCB	Ave	14712 1410301	25984 2386336	62287 3107275	301035	680455	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	16355 1853569	31835 3126313	79018 4036099	390513	884214	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
4-Chlorotoluene	DCB	Ave	14385 1464146	26506 2490074	64470 3183819	313130	706364	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
tert-Butylbenzene	DCB	Ave	16044 1717339	29833 2887100	71627 3756220	363870	817361	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	16177 1808816	31010 3067589	78026 3955539	384458	872222	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
sec-Butylbenzene	DCB	Ave	23788 2542323	44510 4304543	109839 5520104	543232	1211621	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
n-Butylbenzene	DCB	Ave	17946 1923013	33023 3324613	79849 4158336	420441	911874	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 645653	11219 1143223	26239 1448309	144423	301565	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Hexachlorobutadiene	DCB	Ave	+++++ 444052	8361 775271	19656 959030	100695	202605	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
Naphthalene	DCB	Lin1	+++++ 837026	11802 1482182	28361 2014615	185358	391234	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 496757	8719 871706	20446 1141215	117688	236677	+++++ 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	123 26355	304 52358	916 71578	5627	12434	0.500 50.0	1.00 75.0	2.50 100	10.0	25.0
1,2-Dichloroethene, Total	PFB	Ave	8491 833930	15807 1361139	37449 1794555	177817	382960	1.00 100	2.00 150	5.00 200	20.0	50.0
Dibromofluoromethane	PFB	Ave	+++++ 365238	+++++ 575337	+++++ 810894	80374	181566	+++++ 50.0	+++++ 75.0	+++++ 100	10.0	25.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	+++++ 283491	+++++ 466273	+++++ 656594	64373	145049	+++++ 50.0	+++++ 75.0	+++++ 100	10.0	25.0
Toluene-d8 (Surr)	DFB	Ave	+++++ 1564035	+++++ 2495405	+++++ 3436993	346862	789807	+++++ 50.0	+++++ 75.0	+++++ 100	10.0	25.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-28652-1 Analy Batch No.: 98283

SDG No.:

Instrument ID: MS22 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2010 14:06 Calibration End Date: 10/27/2010 18:37 Calibration ID: 3512

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Bromofluorobenzene (Surr)	CBZ	Ave	+++++ 524276	+++++ 857815	+++++ 1178222	123784	259832	+++++ 50.0	+++++ 75.0	+++++ 100	10.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027B.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 14:06
Operator : EA Inst ID: ms22.i
Smp Info : STD2
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 21:12 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:06 Cal File: 22I1027B.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
3 Vinyl chloride	62	1.163	1.163	(0.334)	3568	0.50000	0.4648(a)
13 1,1-Dichloroethene	96	1.886	1.886	(0.542)	2741	0.50000	0.5390
24 trans-1,2-Dichloroethene	96	2.374	2.374	(0.682)	4228	0.50000	0.5087
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	6969	0.50000	0.5057
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	4263	0.50000	0.4920(a)
32 2,2-Dichloropropane	77	3.068	3.068	(0.882)	4691	0.50000	0.4526(a)
40 Chloroform	83	3.324	3.324	(0.955)	6575	0.50000	0.4919(a)
42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	6126	0.50000	0.4904(a)
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	536278	25.0000	
46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	6667	0.50000	0.5718
47 Carbon tetrachloride	117	3.508	3.508	(0.867)	5114	0.50000	0.7291(M)
50 Benzene	78	3.701	3.701	(0.915)	16389	0.50000	0.5176
51 1,2-Dichloroethane	62	3.792	3.792	(0.937)	3514	0.50000	0.5069
* 55 1,4-Difluorobenzene	114	4.047	4.047	(1.000)	735143	25.0000	
57 Trichloroethene	130	4.228	4.228	(1.045)	5127	0.50000	0.5007
65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	3522	0.50000	0.7011
68 Toluene	92	5.283	5.283	(1.305)	10445	0.50000	0.4894(a)
69 trans-1,3-Dichloropropene	75	5.544	5.544	(1.370)	2590	0.50000	0.7276
71 1,1,2-Trichloroethane	97	5.686	5.686	(1.634)	2381	0.50000	0.5330
72 Tetrachloroethene	166	5.694	5.694	(0.889)	6040	0.50000	0.5176(M)
73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	3652	0.50000	0.5068
76 1,2-Dibromoethane	107	6.063	6.063	(1.498)	2007	0.50000	0.4782(aM)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	616659	25.0000	
80 Chlorobenzene	112	6.431	6.431	(1.004)	12898	0.50000	0.5299
82 Ethylbenzene	106	6.499	6.499	(1.014)	6932	0.50000	0.5074
83 p,m-Xylene	91	6.593	6.593	(1.029)	32242	1.00000	0.9933
84 o-Xylene	91	6.905	6.905	(1.077)	15049	0.50000	0.4772(a)
85 Styrene	104	6.933	6.933	(1.082)	11337	0.50000	0.4527(a)
90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	2034	0.50000	0.5156
94 n-Propylbenzene	91	7.512	7.512	(0.911)	23920	0.50000	0.4929(a)
95 2-Chlorotoluene	91	7.597	7.597	(0.922)	14712	0.50000	0.5350
96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	16355	0.50000	0.4702(a)
97 4-Chlorotoluene	91	7.688	7.688	(0.933)	14385	0.50000	0.5094
98 tert-Butylbenzene	119	7.897	7.897	(0.958)	16044	0.50000	0.4947(a)
100 1,2,4-Trimethylbenzene	105	7.948	7.948	(0.964)	16177	0.50000	0.4734(a)
101 sec-Butylbenzene	105	8.068	8.068	(0.979)	23788	0.50000	0.4923(a)
* 104 1,4-Dichlorobenzene-d4	152	8.243	8.243	(1.000)	318749	25.0000	
107 n-Butylbenzene	91	8.504	8.504	(1.032)	17946	0.50000	0.4920(a)
108 1,2-Dibromo-3-Chloropropane	75	9.173	9.173	(1.113)	123	0.50000	0.9181(aM)
M 115 1,2-Dichloroethene (total)	96				8491	1.00000	1.000
M 116 Xylene (total)	100				47291	0.50000	1.500

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 22I1027B.D

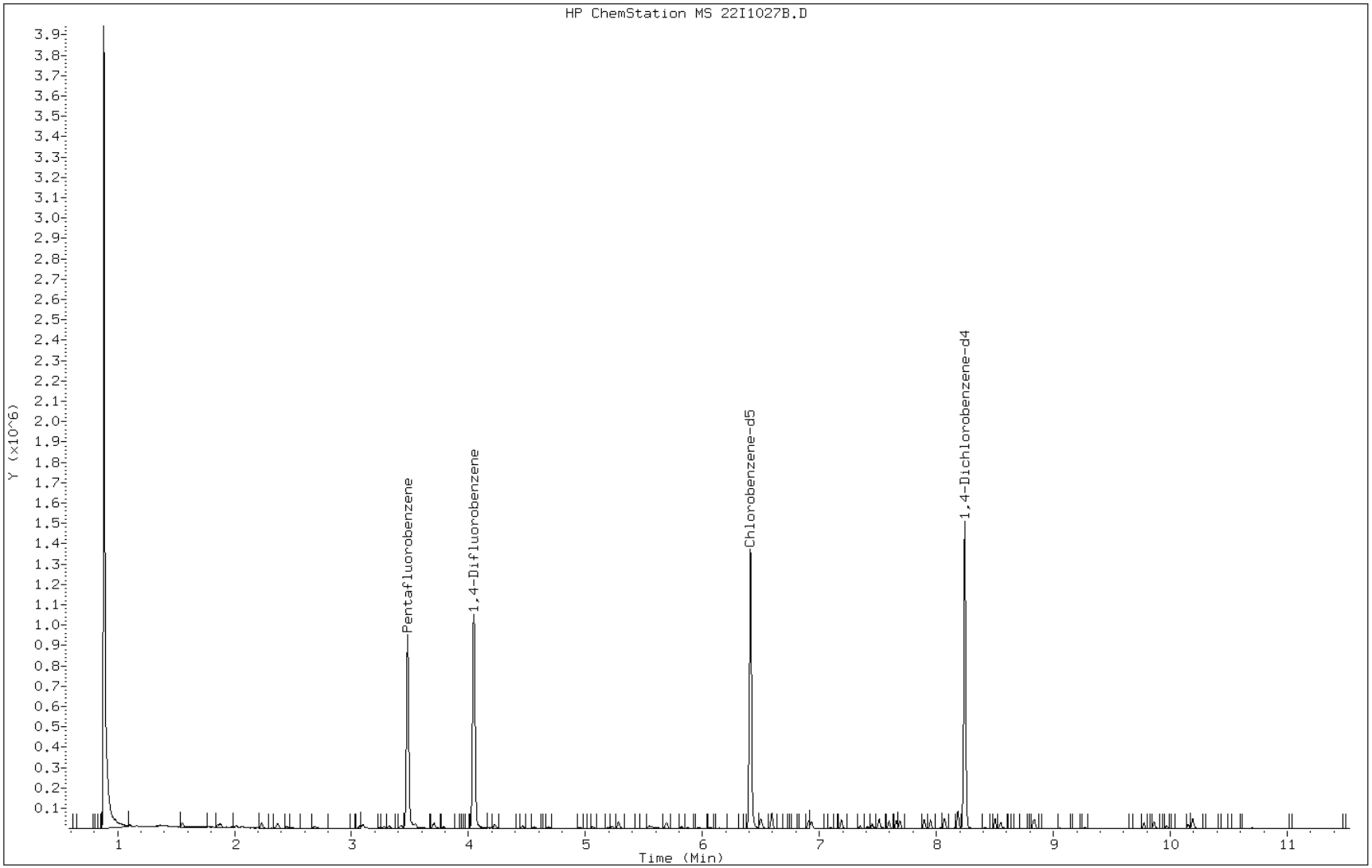
Date: 27-OCT-2010 14:06

Client ID: IC

Instrument: ms22.i

Sample Info: STD2

Operator: EA



Manual Integration Report

Data File: 22I1027B.D
Inj. Date and Time: 27-OCT-2010 14:06
Instrument ID: ms22.i
Client ID: IC
Compound: 72 Tetrachloroethene
CAS #: 127-18-4
Report Date: 10/27/2010

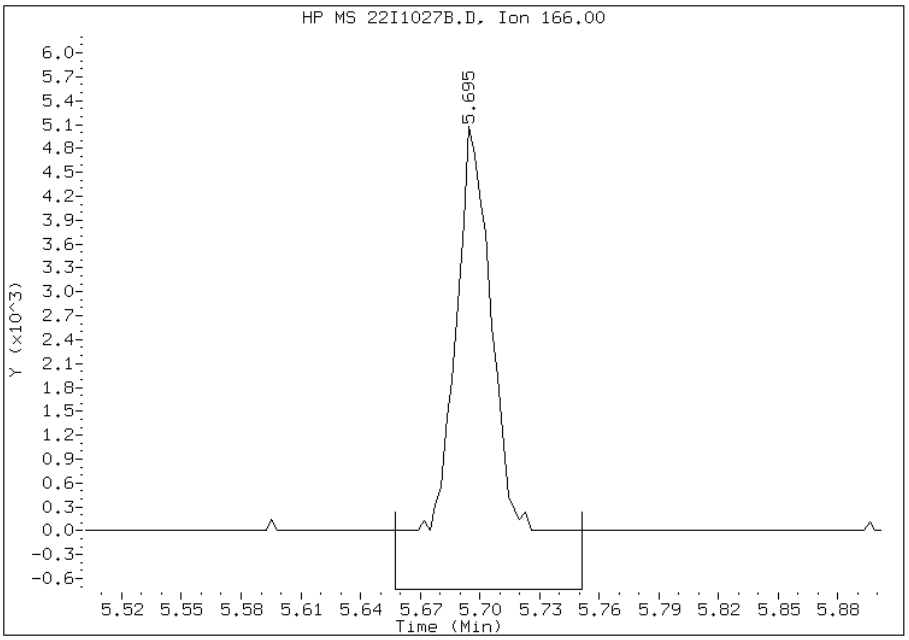
Processing Integration Results

RT: 5.69

Response: 10291

Amount: 1

Conc: 1



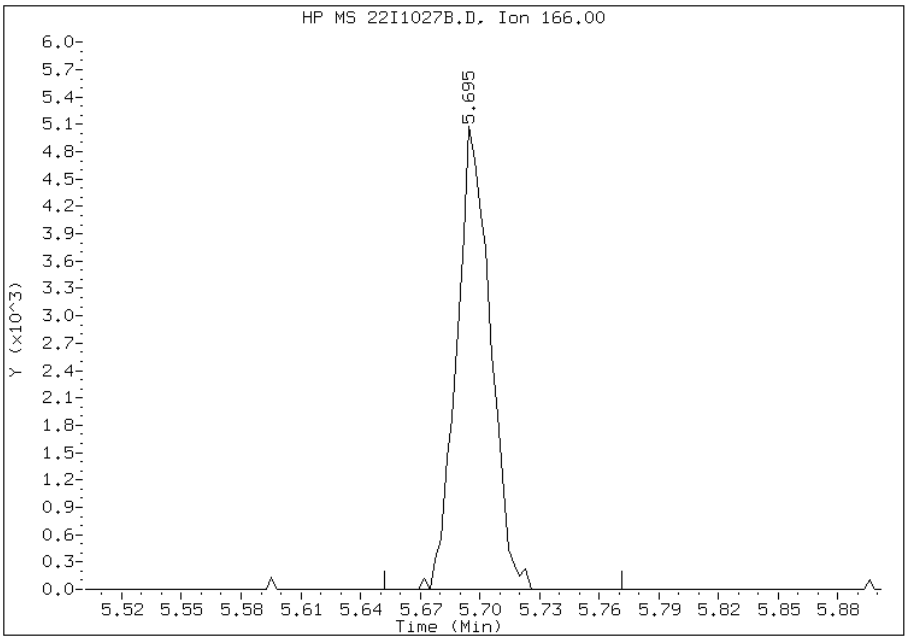
Manual Integration Results

RT: 5.69

Response: 6040

Amount: 1

Conc: 1



Manually Integrated By:
Manual Integration Reason:

Manual Integration Report

Data File: 22I1027B.D
Inj. Date and Time: 27-OCT-2010 14:06
Instrument ID: ms22.i
Client ID: IC
Compound: 47 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 10/27/2010

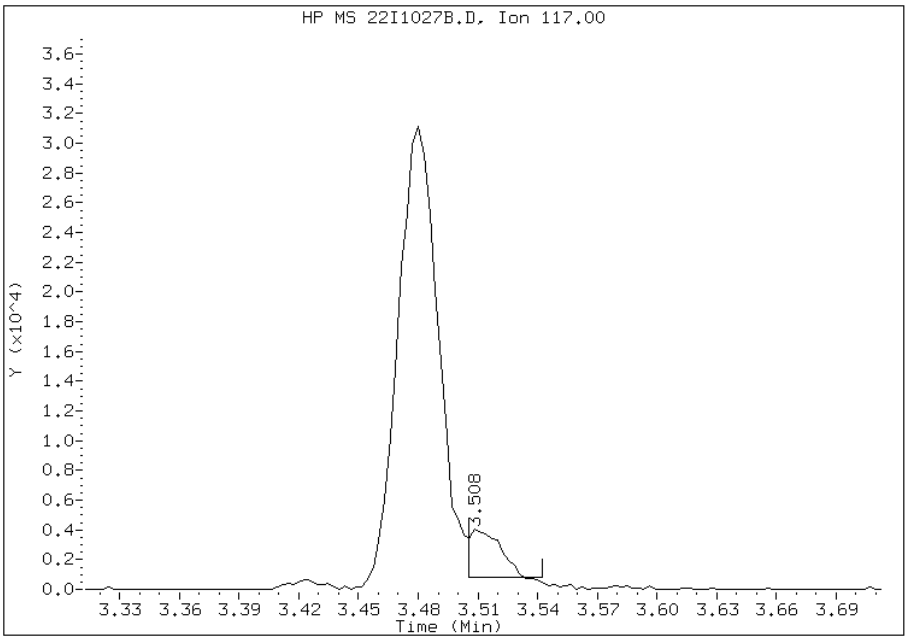
Processing Integration Results

RT: 3.51

Response: 3385

Amount: 0

Conc: 0



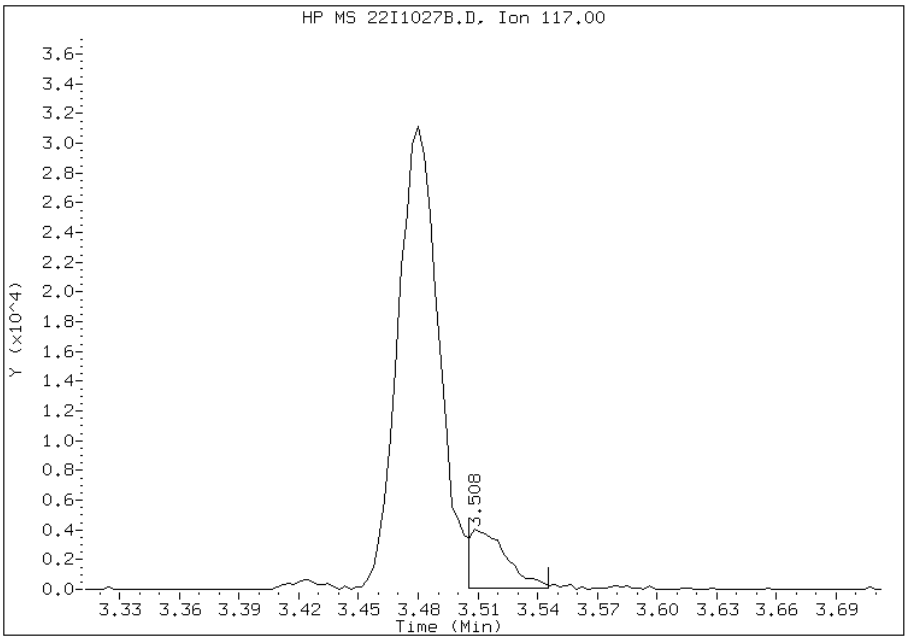
Manual Integration Results

RT: 3.51

Response: 5114

Amount: 1

Conc: 1



Manually Integrated By:
Manual Integration Reason: Incorrect peak identification

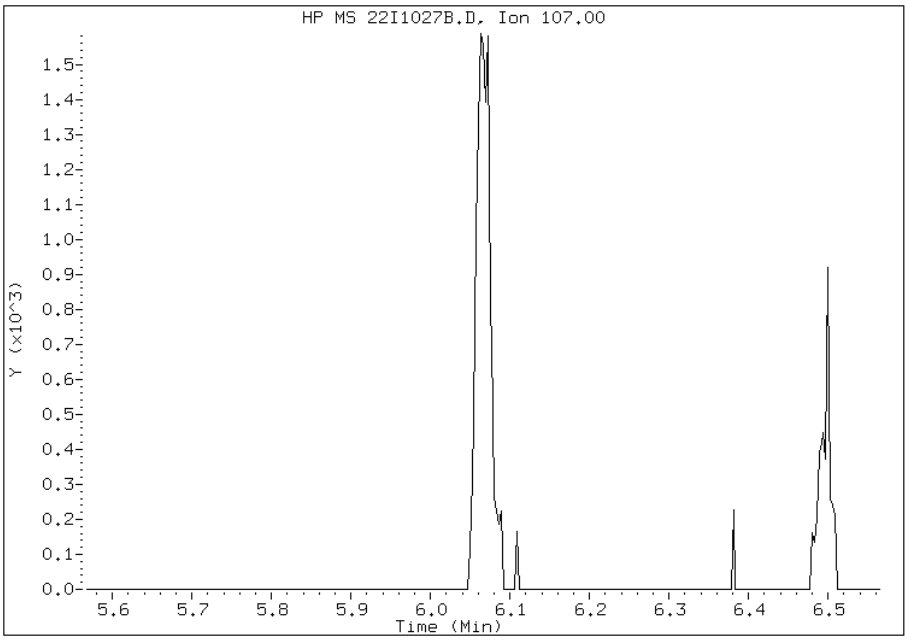
Manual Integration Report

Data File: 22I1027B.D
Inj. Date and Time: 27-OCT-2010 14:06
Instrument ID: ms22.i
Client ID: IC
Compound: 76 1,2-Dibromoethane
CAS #: 106-93-4
Report Date: 10/27/2010

Processing Integration Results

Not Detected

Expected RT: 6.07



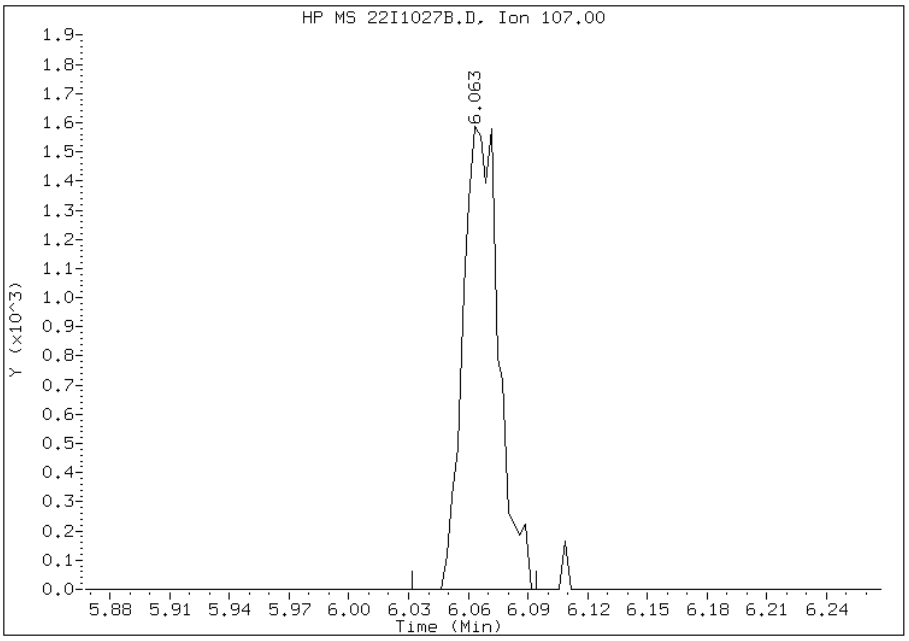
Manual Integration Results

RT: 6.06

Response: 2007

Amount: 0

Conc: 0



Manually Integrated By:
Manual Integration Reason:

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027C.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 14:52
Operator : EA Inst ID: ms22.i
Smp Info : STD3
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 21:12 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	7151	1.00000	1.366
2 Chloromethane	50	1.106	1.106	(0.318)	8563	1.00000	0.9835
3 Vinyl chloride	62	1.163	1.163	(0.334)	7057	1.00000	0.9403
5 Bromomethane	94	1.364	1.364	(0.392)	1583	1.00000	0.9790(H)
6 Chloroethane	64	1.418	1.418	(0.408)	3223	1.00000	1.525
7 Trichlorofluoromethane	101	1.552	1.552	(0.446)	10467	1.00000	1.029
12 Acrolein	56	1.872	1.872	(0.538)	7398	40.0000	42.554
13 1,1-Dichloroethene	96	1.881	1.881	(0.540)	5244	1.00000	1.055
14 Trichlorotrifluoroethane	101	1.852	1.852	(0.532)	6204	1.00000	0.9946
17 Carbon Disulfide	76	2.014	2.014	(0.579)	13732	1.00000	0.8888(H)
18 Acetonitrile	41	2.201	2.201	(0.633)	2325	8.00000	10.330(H)
22 Methylene chloride	84	2.229	2.229	(0.641)	8383	1.00000	1.154
23 Acrylonitrile	53	2.445	2.445	(0.703)	7006	8.00000	7.031
24 trans-1,2-Dichloroethene	96	2.371	2.371	(0.681)	7603	1.00000	0.9356
25 Methyl-tert-Butyl Ether	73	2.360	2.360	(0.678)	9618	1.00000	0.9172
27 1,1-Dichloroethane	63	2.689	2.689	(0.773)	12832	1.00000	0.9525
28 Vinyl Acetate	43	2.708	2.708	(0.778)	3915	1.00000	1.213
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	8204	1.00000	0.9686
32 2,2-Dichloropropane	77	3.071	3.071	(0.883)	8513	1.00000	0.8402
34 Propionitrile	54	3.233	3.233	(0.799)	2741	8.00000	7.405
37 Bromochloromethane	128	3.278	3.278	(0.942)	3032	1.00000	0.9167

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	40 Chloroform	83	3.324	3.324	(0.955)	12241	1.00000	0.9368
	42 1,1,1-Trichloroethane	97	3.420	3.420	(0.983)	11046	1.00000	0.9046
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	524281	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	10760	1.00000	0.9440
	47 Carbon tetrachloride	117	3.511	3.511	(0.868)	7766	1.00000	0.9488(M)
	50 Benzene	78	3.704	3.704	(0.916)	30572	1.00000	0.9879
	51 1,2-Dichloroethane	62	3.786	3.786	(0.936)	6486	1.00000	0.9573
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	718537	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.044)	9647	1.00000	0.9638
	59 1,2-Dichloropropane	63	4.461	4.461	(1.103)	6479	1.00000	0.9463
	60 Dibromomethane	93	4.563	4.563	(1.128)	2635	1.00000	0.9202
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	6387	1.00000	1.251
	65 cis-1,3-Dichloropropene	75	5.059	5.059	(1.251)	6403	1.00000	0.9980
	68 Toluene	92	5.283	5.283	(1.306)	19113	1.00000	0.9163
	69 trans-1,3-Dichloropropene	75	5.538	5.538	(1.369)	4820	1.00000	1.029
	71 1,1,2-Trichloroethane	97	5.686	5.686	(1.634)	4206	1.00000	0.9630
	72 Tetrachloroethene	166	5.700	5.700	(0.889)	11104	1.00000	0.9688
	73 1,3-Dichloropropane	76	5.819	5.819	(0.908)	6620	1.00000	0.9354
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	3734	1.00000	1.370
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	3430	1.00000	0.8361
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	605685	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	12437	1.00000	0.9809
	80 Chlorobenzene	112	6.432	6.432	(1.004)	22561	1.00000	0.9438
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	5627	1.00000	1.202
	82 Ethylbenzene	106	6.497	6.497	(1.014)	12526	1.00000	0.9335
	83 p,m-Xylene	91	6.593	6.593	(1.029)	59846	2.00000	1.877
	84 o-Xylene	91	6.911	6.911	(1.078)	27619	1.00000	0.8916
	85 Styrene	104	6.931	6.931	(1.081)	21535	1.00000	0.8756
	86 Bromoform	173	7.098	7.098	(1.108)	1815	1.00000	2.244
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	39174	1.00000	0.9221
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	3743	1.00000	0.9521
	91 Bromobenzene	156	7.452	7.452	(0.904)	9239	1.00000	0.9754
	92 1,2,3-Trichloropropane	110	7.532	7.532	(0.914)	1230	1.00000	0.9884
	94 n-Propylbenzene	91	7.512	7.512	(0.912)	45422	1.00000	0.9392
	95 2-Chlorotoluene	91	7.594	7.594	(0.922)	25984	1.00000	0.9482
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	31835	1.00000	0.9184
	97 4-Chlorotoluene	91	7.688	7.688	(0.933)	26506	1.00000	0.9419
	98 tert-Butylbenzene	119	7.900	7.900	(0.959)	29833	1.00000	0.9231
	100 1,2,4-Trimethylbenzene	105	7.951	7.951	(0.965)	31010	1.00000	0.9107
	101 sec-Butylbenzene	105	8.071	8.071	(0.979)	44510	1.00000	0.9243
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	20692	1.00000	1.036
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	37888	1.00000	0.9127
*	104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	317648	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	20691	1.00000	1.036
	106 1,2-Dichlorobenzene	146	8.547	8.547	(1.037)	17022	1.00000	0.9919
	107 n-Butylbenzene	91	8.502	8.502	(1.032)	33023	1.00000	0.9086
	108 1,2-Dibromo-3-Chloropropane	75	9.174	9.174	(1.113)	304	1.00000	1.278
	110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	11219	1.00000	0.9086
	111 Hexachlorobutadiene	225	9.860	9.860	(1.196)	8361	1.00000	0.9717
	112 Naphthalene	128	9.968	9.968	(1.210)	11802	1.00000	1.177
	113 1,2,3-Trichlorobenzene	180	10.152	10.152	(1.232)	8719	1.00000	0.9023
M	115 1,2-Dichloroethene (total)	96				15807	2.00000	1.905
M	116 Xylene (total)	100				87465	1.00000	2.824

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 22I1027C.D

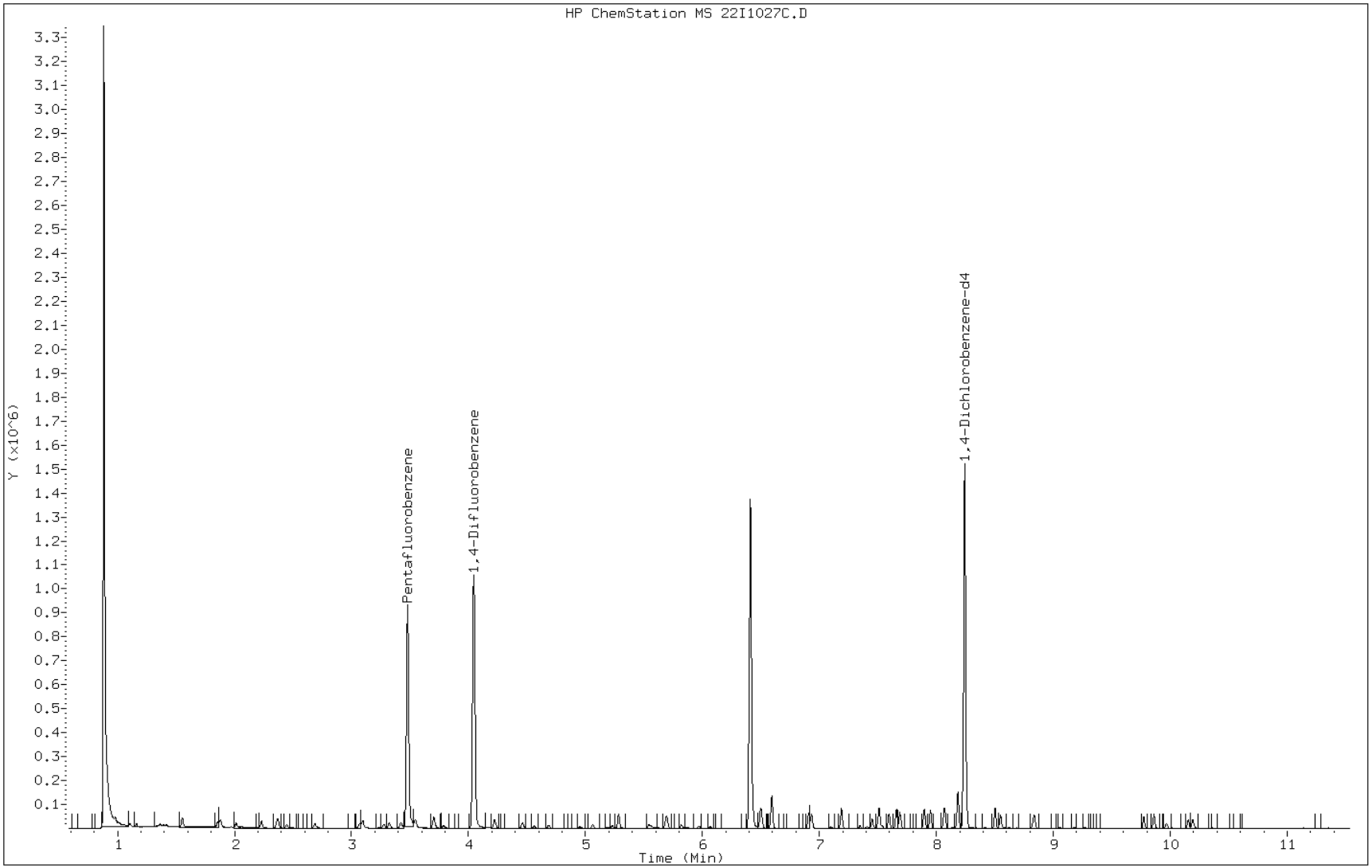
Date: 27-OCT-2010 14:52

Client ID: IC

Instrument: ms22.i

Sample Info: STD3

Operator: EA



Manual Integration Report

Data File: 22I1027C.D
Inj. Date and Time: 27-OCT-2010 14:52
Instrument ID: ms22.i
Client ID: IC
Compound: 47 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 10/27/2010

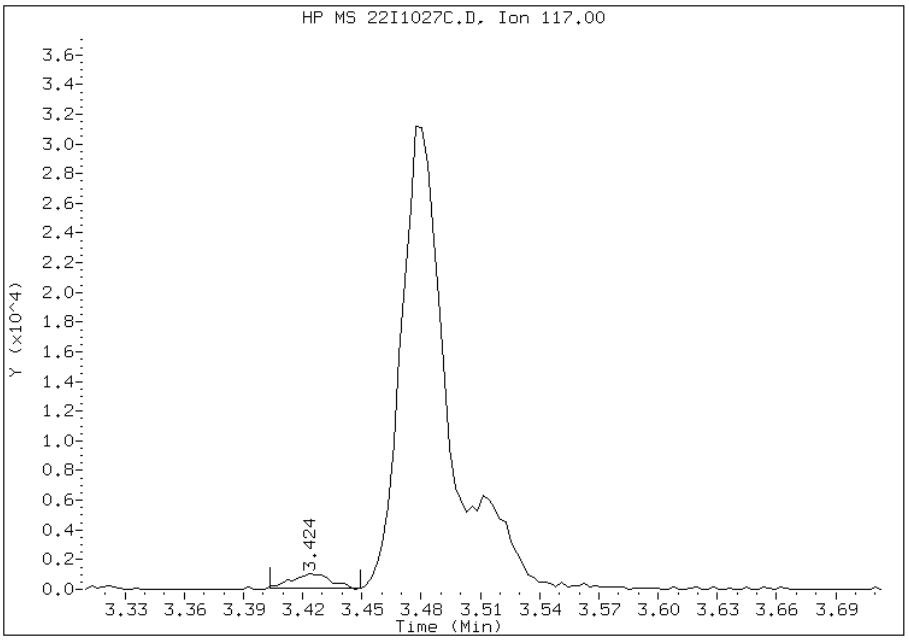
Processing Integration Results

RT: 3.42

Response: 1282

Amount: 0

Conc: 0



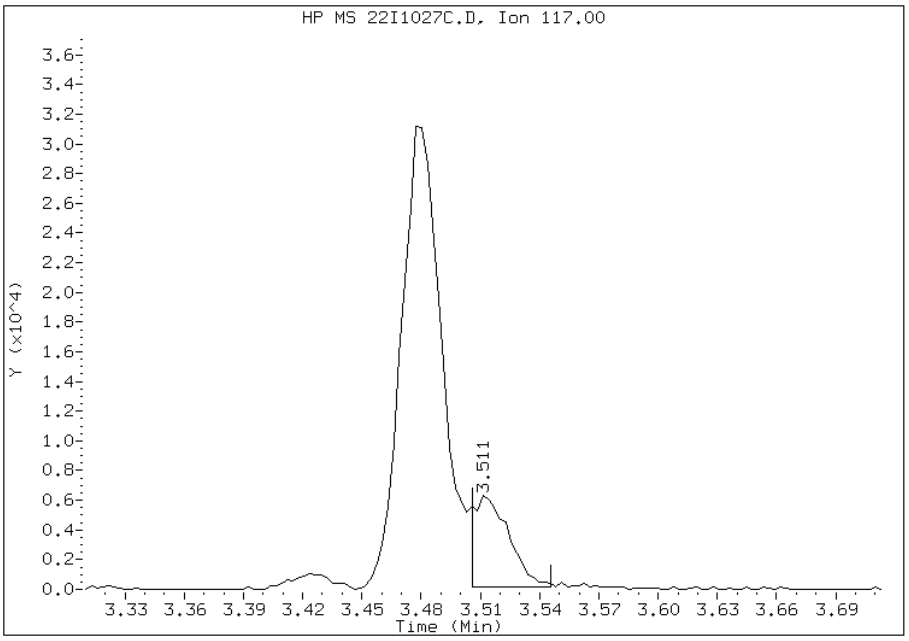
Manual Integration Results

RT: 3.51

Response: 7766

Amount: 1

Conc: 1



Manually Integrated By:
Manual Integration Reason:

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027D.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 15:38
Operator : EA Inst ID: ms22.i
Smp Info : STD4
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 19:02 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 15:38 Cal File: 22I1027D.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	15120	2.50000	2.364
2 Chloromethane	50	1.103	1.103	(0.317)	18737	2.50000	2.406
3 Vinyl chloride	62	1.163	1.163	(0.334)	15585	2.50000	2.401
5 Bromomethane	94	1.361	1.361	(0.391)	3281	2.50000	2.339
6 Chloroethane	64	1.418	1.418	(0.408)	6572	2.50000	2.318
7 Trichlorofluoromethane	101	1.549	1.549	(0.445)	23609	2.50000	2.444
12 Acrolein	56	1.875	1.875	(0.539)	18586	100.000	103.16
13 1,1-Dichloroethene	96	1.883	1.883	(0.541)	11616	2.50000	2.379
14 Trichlorotrifluoroethane	101	1.852	1.852	(0.532)	14463	2.50000	2.486
15 Acetone	43	1.974	1.974	(0.567)	2117	2.50000	2.500(a)
17 Carbon Disulfide	76	2.014	2.014	(0.579)	32076	2.50000	2.488(a)
18 Acetonitrile	41	2.198	2.198	(0.632)	4364	20.0000	17.728
22 Methylene chloride	84	2.229	2.229	(0.641)	18631	2.50000	2.426
23 Acrylonitrile	53	2.448	2.448	(0.703)	17054	20.0000	20.317
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	18328	2.50000	2.466
25 Methyl-tert-Butyl Ether	73	2.360	2.360	(0.678)	22314	2.50000	2.480
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	30668	2.50000	2.472
28 Vinyl Acetate	43	2.708	2.708	(0.778)	9757	2.50000	2.569
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	19121	2.50000	2.467
32 2,2-Dichloropropane	77	3.071	3.071	(0.883)	20564	2.50000	2.477
33 2-Butanone	43	3.128	3.128	(0.899)	3175	2.50000	2.500(aM)
34 Propionitrile	54	3.233	3.233	(0.799)	6110	20.0000	19.338

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.275	3.275	(0.941)	7327	2.50000	2.530
	39 Tetrahydrofuran	42	3.284	3.284	(0.944)	1592	2.50000	2.500
	40 Chloroform	83	3.321	3.321	(0.954)	29663	2.50000	2.504
	42 1,1,1-Trichloroethane	97	3.426	3.426	(0.985)	25130	2.50000	2.373
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	494537	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	25531	2.50000	2.345
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	20903	2.50000	2.480
	50 Benzene	78	3.707	3.707	(0.917)	70883	2.50000	2.416
	51 1,2-Dichloroethane	62	3.786	3.786	(0.936)	15034	2.50000	2.407
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	684520	25.0000	
	57 Trichloroethene	130	4.225	4.225	(1.045)	22688	2.50000	2.447
	59 1,2-Dichloropropane	63	4.461	4.461	(1.103)	15606	2.50000	2.514
	60 Dibromomethane	93	4.563	4.563	(1.128)	6203	2.50000	2.485
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	15310	2.50000	2.508
	64 2-Chloroethylvinylether	63	4.951	4.951	(1.224)	4362	2.50000	2.500
	65 cis-1,3-Dichloropropene	75	5.059	5.059	(1.251)	15486	2.50000	2.464
	66 4-Methyl-2-pentanone	43	5.190	5.190	(1.283)	4497	2.50000	2.500(a)
	68 Toluene	92	5.283	5.283	(1.306)	47191	2.50000	2.504
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.370)	10776	2.50000	2.355
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	9216	2.50000	2.295
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	26089	2.50000	2.399
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	15644	2.50000	2.397
	74 2-Hexanone	43	5.873	5.873	(0.916)	2707	2.50000	2.500(a)
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	8841	2.50000	2.476
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	8632	2.50000	2.476
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	584960	25.0000	
	79 1-Chlorohexane	91	6.406	6.406	(1.841)	27142	2.50000	2.403
	80 Chlorobenzene	112	6.431	6.431	(1.004)	54398	2.50000	2.399
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	13887	2.50000	2.527
	82 Ethylbenzene	106	6.497	6.497	(1.014)	29886	2.50000	2.410
	83 p,m-Xylene	91	6.593	6.593	(1.029)	144640	5.00000	4.908
	84 o-Xylene	91	6.911	6.911	(1.078)	65393	2.50000	2.410
	85 Styrene	104	6.931	6.931	(1.081)	52976	2.50000	2.503
	86 Bromoform	173	7.098	7.098	(1.108)	4162	2.50000	2.436
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	95314	2.50000	2.484
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	8906	2.50000	2.375
	91 Bromobenzene	156	7.452	7.452	(0.904)	21099	2.50000	2.404
	92 1,2,3-Trichloropropane	110	7.532	7.532	(0.914)	2955	2.50000	2.468
	94 n-Propylbenzene	91	7.512	7.512	(0.912)	108917	2.50000	2.414
	95 2-Chlorotoluene	91	7.594	7.594	(0.922)	62287	2.50000	2.352
	96 1,3,5-Trimethylbenzene	105	7.656	7.656	(0.929)	79018	2.50000	2.492
	97 4-Chlorotoluene	91	7.690	7.690	(0.933)	64470	2.50000	2.412
	98 tert-Butylbenzene	119	7.897	7.897	(0.958)	71627	2.50000	2.398
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.965)	78026	2.50000	2.501
	101 sec-Butylbenzene	105	8.070	8.070	(0.979)	109839	2.50000	2.448
	102 1,3-Dichlorobenzene	146	8.181	8.181	(0.993)	47801	2.50000	2.419
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	95000	2.50000	2.521
*	104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	313214	25.0000	
	105 1,4-Dichlorobenzene	146	8.181	8.181	(0.993)	47757	2.50000	2.418
	106 1,2-Dichlorobenzene	146	8.547	8.547	(1.037)	40353	2.50000	2.451
	107 n-Butylbenzene	91	8.504	8.504	(1.032)	79849	2.50000	2.401
	108 1,2-Dibromo-3-Chloropropane	75	9.173	9.173	(1.113)	916	2.50000	3.027
	110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	26239	2.50000	2.434
	111 Hexachlorobutadiene	225	9.863	9.863	(1.197)	19656	2.50000	2.441

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
112 Naphthalene	128	9.970	9.970	(1.210)	28361	2.50000	2.468
113 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.232)	20446	2.50000	2.438
M 115 1,2-Dichloroethene (total)	96				37449	5.00000	4.933
M 116 Xylene (total)	100				210033	2.50000	7.742

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: 22I1027D.D

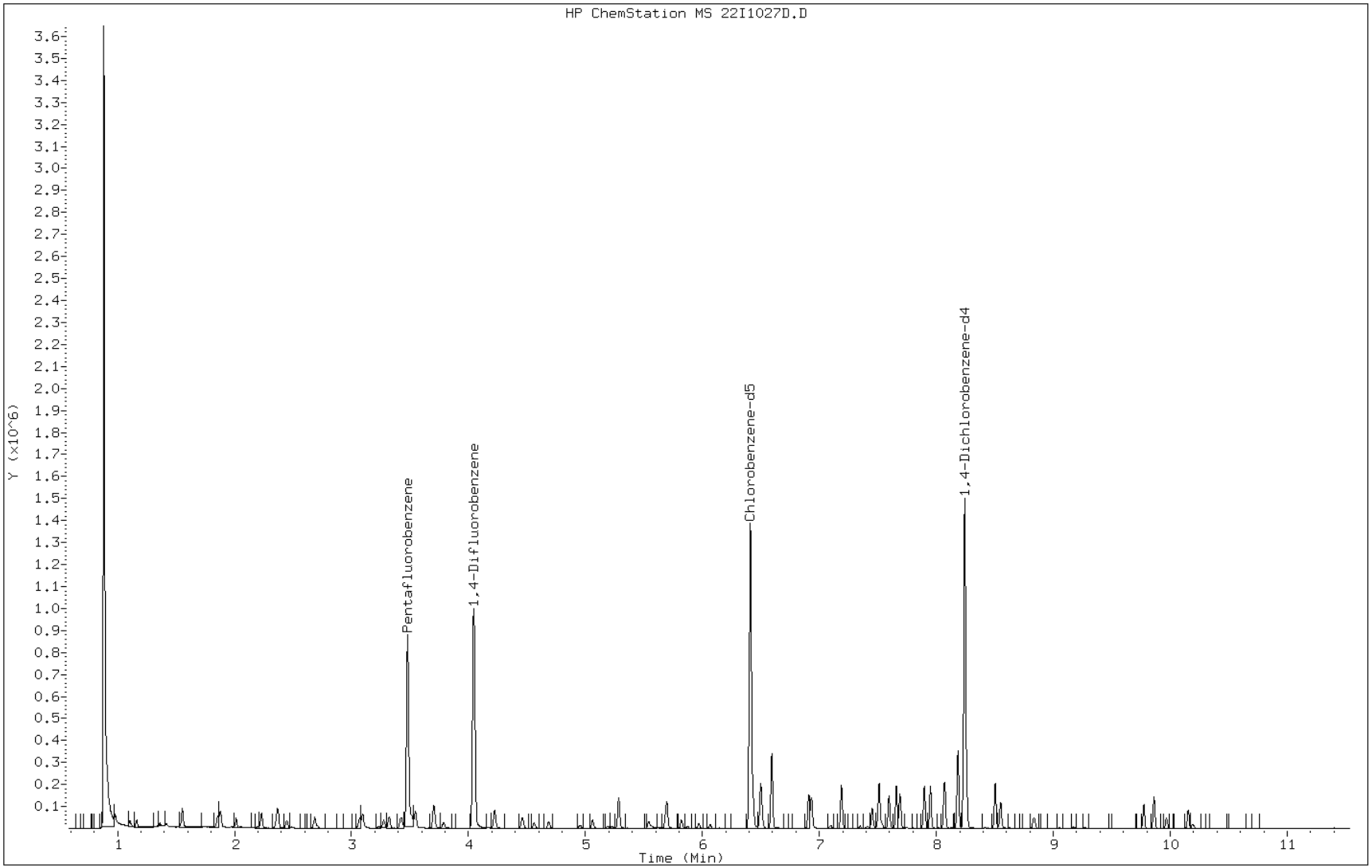
Date: 27-OCT-2010 15:38

Client ID: IC

Instrument: ms22.i

Sample Info: STD4

Operator: EA



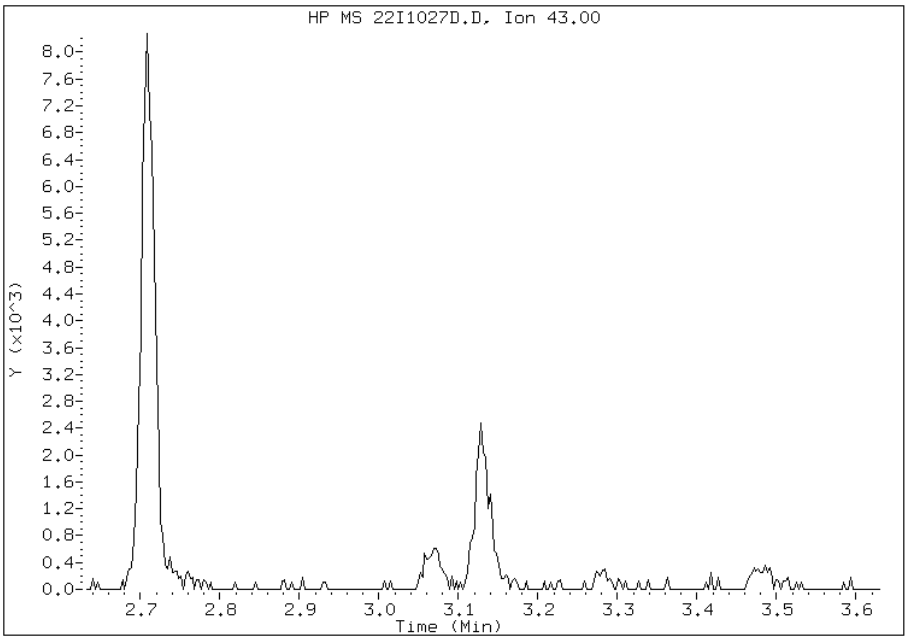
Manual Integration Report

Data File: 22I1027D.D
Inj. Date and Time: 27-OCT-2010 15:38
Instrument ID: ms22.i
Client ID: IC
Compound: 33 2-Butanone
CAS #: 78-93-3
Report Date: 10/27/2010

Processing Integration Results

Not Detected

Expected RT: 3.13



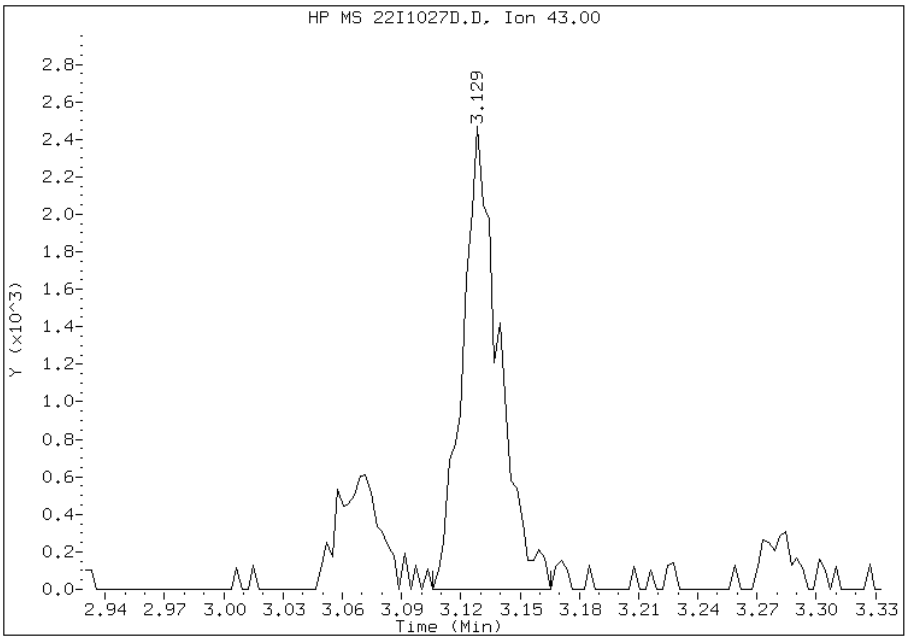
Manual Integration Results

RT: 3.13

Response: 3175

Amount: 3

Conc: 3



Manually Integrated By:
Manual Integration Reason: Incorrect peak identification

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027E1.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 18:37
Operator : EA Inst ID: ms22.i
Smp Info : STD5
Misc Info : IC,1,1,water22.m,102710.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 20:09 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 18:37 Cal File: 22I1027E1.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	58665	10.0000	7.399
2 Chloromethane	50	1.104	1.104	(0.317)	81024	10.0000	9.175
3 Vinyl chloride	62	1.160	1.160	(0.334)	71451	10.0000	9.387
5 Bromomethane	94	1.359	1.359	(0.391)	17123	10.0000	10.442
6 Chloroethane	64	1.413	1.413	(0.406)	9585	10.0000	4.471
7 Trichlorofluoromethane	101	1.543	1.543	(0.444)	97126	10.0000	9.413
12 Acrolein	56	1.878	1.878	(0.540)	114860	400.000	492.85
13 1,1-Dichloroethene	96	1.878	1.878	(0.540)	49277	10.0000	9.772
14 Trichlorotrifluoroethane	101	1.852	1.852	(0.532)	63100	10.0000	9.975
15 Acetone	43	1.977	1.977	(0.568)	6288	10.0000	10.955
17 Carbon Disulfide	76	2.011	2.011	(0.578)	152513	10.0000	9.733
18 Acetonitrile	41	2.207	2.207	(0.634)	31135	80.0000	96.678
22 Methylene chloride	84	2.229	2.229	(0.641)	77067	10.0000	10.463
23 Acrylonitrile	53	2.448	2.448	(0.703)	94304	80.0000	93.310
24 trans-1,2-Dichloroethene	96	2.371	2.371	(0.681)	87509	10.0000	10.618
25 Methyl-tert-Butyl Ether	73	2.363	2.363	(0.679)	115188	10.0000	10.831
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	140114	10.0000	10.255
28 Vinyl Acetate	43	2.711	2.711	(0.779)	55075	10.0000	10.989
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	90308	10.0000	10.512
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	108556	10.0000	10.564
33 2-Butanone	43	3.128	3.128	(0.899)	13662	10.0000	11.741
34 Propionitrile	54	3.239	3.239	(0.801)	34830	80.0000	93.912

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.276	3.276	(0.941)	34939	10.0000	10.415
	39 Tetrahydrofuran	42	3.281	3.281	(0.943)	7905	10.0000	11.407
	40 Chloroform	83	3.324	3.324	(0.955)	137233	10.0000	10.355
$	41 Dibromofluoromethane	113	3.451	3.451	(0.992)	80374	10.0000	10.494
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	127502	10.0000	10.295
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	531731	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	116778	10.0000	10.101
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	113834	10.0000	10.595
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	64373	10.0000	10.651
	50 Benzene	78	3.704	3.704	(0.916)	326230	10.0000	10.522
	51 1,2-Dichloroethane	62	3.789	3.789	(0.937)	72839	10.0000	10.730
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	719919	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.044)	106164	10.0000	10.587
	59 1,2-Dichloropropane	63	4.461	4.461	(1.103)	72408	10.0000	10.555
	60 Dibromomethane	93	4.563	4.563	(1.128)	30844	10.0000	10.750
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	81874	10.0000	10.391
	64 2-Chloroethylvinylether	63	4.957	4.957	(1.226)	24004	10.0000	10.527
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.252)	92144	10.0000	10.972
	66 4-Methyl-2-pentanone	43	5.190	5.190	(1.283)	26146	10.0000	11.590
$	67 Toluene-d8	98	5.229	5.229	(1.293)	346862	10.0000	10.660
	68 Toluene	92	5.283	5.283	(1.306)	227044	10.0000	10.863
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.370)	68224	10.0000	10.899
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	46558	10.0000	10.511
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	121164	10.0000	10.514
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	73937	10.0000	10.390
	74 2-Hexanone	43	5.873	5.873	(0.916)	15762	10.0000	10.686
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	52482	10.0000	10.131
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	44670	10.0000	10.868
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	608997	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	134923	10.0000	10.492
	80 Chlorobenzene	112	6.432	6.432	(1.004)	250631	10.0000	10.427
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	74200	10.0000	10.440
	82 Ethylbenzene	106	6.497	6.497	(1.014)	145409	10.0000	10.778
	83 p,m-Xylene	91	6.593	6.593	(1.029)	693747	20.0000	21.642
	84 o-Xylene	91	6.908	6.908	(1.078)	334204	10.0000	10.731
	85 Styrene	104	6.934	6.934	(1.082)	270177	10.0000	10.925
	86 Bromoform	173	7.098	7.098	(1.108)	25064	10.0000	9.676
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	475861	10.0000	10.729
$	89 p-Bromofluorobenzene	95	7.348	7.348	(1.146)	123784	10.0000	11.016
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	43876	10.0000	10.691
	91 Bromobenzene	156	7.452	7.452	(0.904)	104376	10.0000	10.556
	92 1,2,3-Trichloropropane	110	7.535	7.535	(0.914)	13239	10.0000	10.190
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	544885	10.0000	10.792
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	301035	10.0000	10.522
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	390513	10.0000	10.792
	97 4-Chlorotoluene	91	7.691	7.691	(0.933)	313130	10.0000	10.658
	98 tert-Butylbenzene	119	7.898	7.898	(0.958)	363870	10.0000	10.785
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.964)	384458	10.0000	10.816
	101 sec-Butylbenzene	105	8.071	8.071	(0.979)	543232	10.0000	10.806
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	229773	10.0000	11.021
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	477921	10.0000	11.028
*	104 1,4-Dichlorobenzene-d4	152	8.244	8.244	(1.000)	331611	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	229773	10.0000	11.020
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	190551	10.0000	10.636

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	420441	10.0000	11.080
108 1,2-Dibromo-3-Chloropropane	75	9.176	9.176	(1.113)	5627	10.0000	11.613
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	144423	10.0000	11.204
111 Hexachlorobutadiene	225	9.863	9.863	(1.196)	100695	10.0000	11.210
112 Naphthalene	128	9.968	9.968	(1.209)	185358	10.0000	11.504
113 1,2,3-Trichlorobenzene	180	10.152	10.152	(1.231)	117688	10.0000	11.667
M 115 1,2-Dichloroethene (total)	96				177817	20.0000	21.128
M 116 Xylene (total)	100				1027951	10.0000	33.006

Data File: 22I1027E1.D

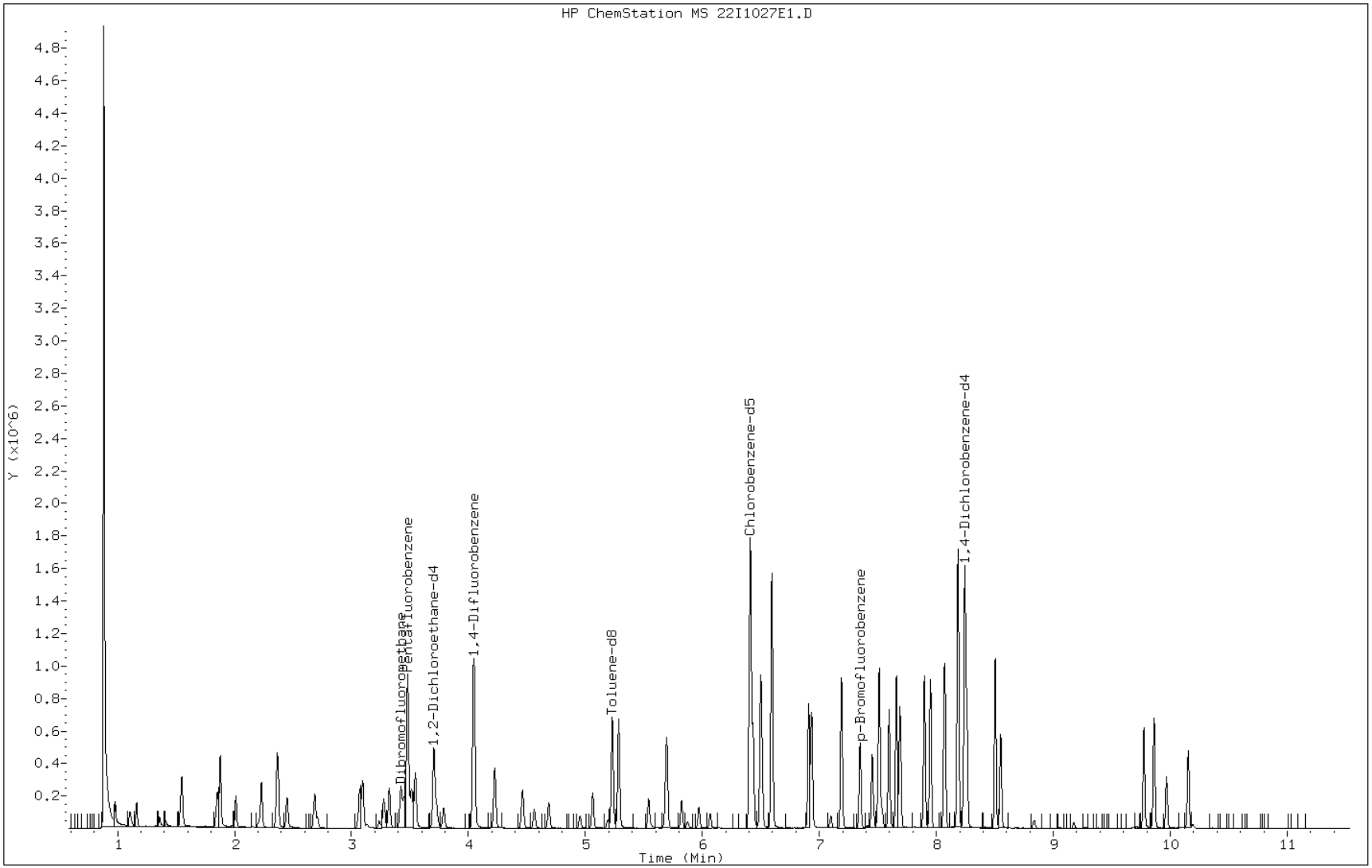
Date: 27-OCT-2010 18:37

Client ID: IC

Instrument: ms22.i

Sample Info: STD5

Operator: EA



TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027F.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 16:24
Operator : EA Inst ID: ms22.i
Smp Info : STD6
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 20:21 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 16:24 Cal File: 22I1027F.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.981	0.981	(0.282)	215315	25.0000	24.629
2 Chloromethane	50	1.106	1.106	(0.318)	216788	25.0000	24.964
3 Vinyl chloride	62	1.163	1.163	(0.334)	188030	25.0000	25.119
5 Bromomethane	94	1.361	1.361	(0.391)	40696	25.0000	25.235
6 Chloroethane	64	1.424	1.424	(0.409)	76780	25.0000	36.416
7 Trichlorofluoromethane	101	1.554	1.554	(0.447)	268567	25.0000	26.467
12 Acrolein	56	1.875	1.875	(0.539)	197592	1000.00	894.80
13 1,1-Dichloroethene	96	1.883	1.883	(0.541)	116102	25.0000	23.413
14 Trichlorotrifluoroethane	101	1.858	1.858	(0.534)	147825	25.0000	23.762
15 Acetone	43	1.971	1.971	(0.567)	10762	25.0000	23.376
17 Carbon Disulfide	76	2.016	2.016	(0.580)	363115	25.0000	23.565
18 Acetonitrile	41	2.201	2.201	(0.633)	55057	200.000	181.01
22 Methylene chloride	84	2.232	2.232	(0.641)	151966	25.0000	20.980
23 Acrylonitrile	53	2.447	2.447	(0.703)	174438	200.000	175.51
24 trans-1,2-Dichloroethene	96	2.371	2.371	(0.681)	190014	25.0000	23.445
25 Methyl-tert-Butyl Ether	73	2.360	2.360	(0.678)	230925	25.0000	22.080
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	304844	25.0000	22.688
28 Vinyl Acetate	43	2.711	2.711	(0.779)	116003	25.0000	21.319
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	192946	25.0000	22.839
32 2,2-Dichloropropane	77	3.071	3.071	(0.883)	234941	25.0000	23.250
33 2-Butanone	43	3.131	3.131	(0.900)	21562	25.0000	22.549
34 Propionitrile	54	3.233	3.233	(0.799)	64769	200.000	173.09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.278	3.278	(0.942)	75833	25.0000	22.987
	39 Tetrahydrofuran	42	3.281	3.281	(0.943)	14505	25.0000	21.285
	40 Chloroform	83	3.324	3.324	(0.955)	304649	25.0000	23.375
$	41 Dibromofluoromethane	113	3.451	3.451	(0.992)	181566	25.0000	24.106
	42 1,1,1-Trichloroethane	97	3.426	3.426	(0.985)	283106	25.0000	23.246
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	522905	25.0000	
	46 1,1-Dichloropropene	75	3.548	3.548	(1.020)	257443	25.0000	22.645
	47 Carbon tetrachloride	117	3.514	3.514	(0.868)	246501	25.0000	19.687
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	145049	25.0000	23.789
	50 Benzene	78	3.706	3.706	(0.916)	698185	25.0000	22.319
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	155508	25.0000	22.706
*	55 1,4-Difluorobenzene	114	4.047	4.047	(1.000)	726332	25.0000	
	57 Trichloroethene	130	4.225	4.225	(1.044)	232109	25.0000	22.942
	59 1,2-Dichloropropane	63	4.464	4.464	(1.103)	156549	25.0000	22.619
	60 Dibromomethane	93	4.563	4.563	(1.127)	67028	25.0000	23.156
	62 Bromodichloromethane	83	4.688	4.688	(1.158)	187412	25.0000	21.246
	64 2-Chloroethylvinylether	63	4.954	4.954	(1.224)	54579	25.0000	23.724
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	207428	25.0000	20.935
	66 4-Methyl-2-pentanone	43	5.192	5.192	(1.283)	46241	25.0000	22.993
$	67 Toluene-d8	98	5.229	5.229	(1.292)	789807	25.0000	24.059
	68 Toluene	92	5.283	5.283	(1.305)	493803	25.0000	23.418
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.369)	154654	25.0000	20.563
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	103936	25.0000	23.861
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	265088	25.0000	22.785
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	168357	25.0000	23.435
	74 2-Hexanone	43	5.870	5.870	(0.916)	30499	25.0000	20.481
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	125750	25.0000	20.618
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	98640	25.0000	23.786
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	614823	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	298267	25.0000	23.585
	80 Chlorobenzene	112	6.434	6.434	(1.004)	567291	25.0000	23.378
	81 1,1,1,2-Tetrachloroethane	131	6.511	6.511	(1.016)	177123	25.0000	22.418
	82 Ethylbenzene	106	6.497	6.497	(1.014)	321888	25.0000	23.632
	83 p,m-Xylene	91	6.596	6.596	(1.029)	1527627	50.0000	47.205
	84 o-Xylene	91	6.908	6.908	(1.078)	758678	25.0000	24.129
	85 Styrene	104	6.933	6.933	(1.082)	608310	25.0000	24.365
	86 Bromoform	173	7.098	7.098	(1.108)	60962	25.0000	22.659
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	1083348	25.0000	24.942
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	259832	25.0000	22.903
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	99239	25.0000	24.691
	91 Bromobenzene	156	7.452	7.452	(0.904)	240735	25.0000	24.861
	92 1,2,3-Trichloropropane	110	7.534	7.534	(0.914)	30946	25.0000	24.323
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	1235102	25.0000	24.980
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	680455	25.0000	24.287
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	884214	25.0000	24.951
	97 4-Chlorotoluene	91	7.690	7.690	(0.933)	706364	25.0000	24.552
	98 tert-Butylbenzene	119	7.897	7.897	(0.958)	817361	25.0000	24.737
	100 1,2,4-Trimethylbenzene	105	7.951	7.951	(0.965)	872222	25.0000	25.056
	101 sec-Butylbenzene	105	8.070	8.070	(0.979)	1211621	25.0000	24.611
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	500243	25.0000	24.501
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	1054281	25.0000	24.841
*	104 1,4-Dichlorobenzene-d4	152	8.243	8.243	(1.000)	324750	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	500363	25.0000	24.504
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	424124	25.0000	24.173

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	911874	25.0000	24.540
108 1,2-Dibromo-3-Chloropropane	75	9.173	9.173	(1.113)	12434	25.0000	23.814
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	301565	25.0000	23.889
111 Hexachlorobutadiene	225	9.862	9.862	(1.196)	202605	25.0000	23.032
112 Naphthalene	128	9.967	9.967	(1.209)	391234	25.0000	22.498
113 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.232)	236677	25.0000	23.958
M 115 1,2-Dichloroethene (total)	96				382960	50.0000	46.272
M 116 Xylene (total)	100				2286305	25.0000	72.714

Data File: 22I1027F.D

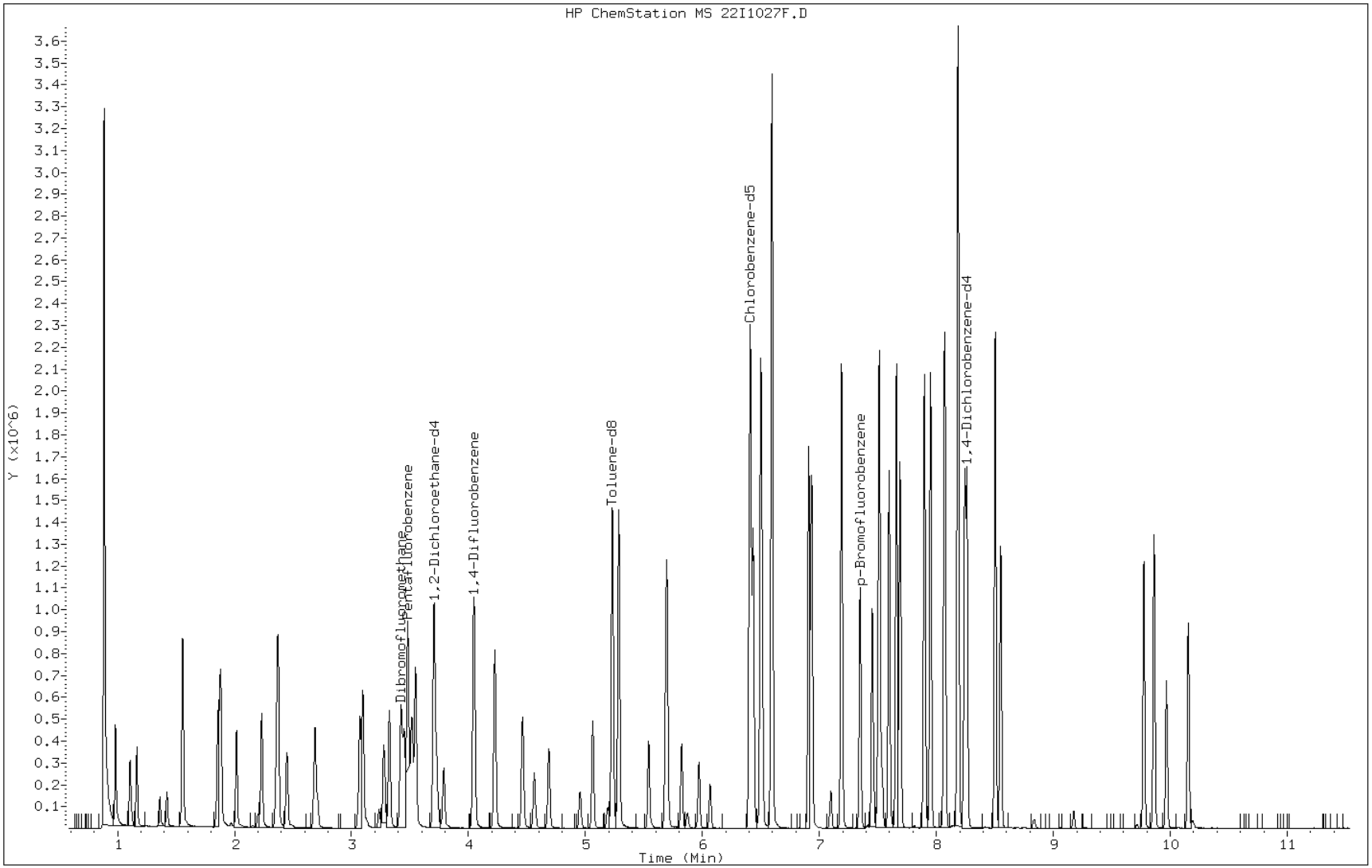
Date: 27-OCT-2010 16:24

Client ID: IC

Instrument: ms22.i

Sample Info: STD6

Operator: EA



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VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027G.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 16:47
Operator : EA Inst ID: ms22.i
Smp Info : STD7
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 19:02 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 16:47 Cal File: 22I1027G.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.981	0.981	(0.282)	427865	50.0000	54.890
2 Chloromethane	50	1.106	1.106	(0.318)	434040	50.0000	50.520
3 Vinyl chloride	62	1.163	1.163	(0.334)	384679	50.0000	52.817
5 Bromomethane	94	1.361	1.361	(0.391)	81296	50.0000	51.449
6 Chloroethane	64	1.418	1.418	(0.408)	141306	50.0000	46.754
7 Trichlorofluoromethane	101	1.551	1.551	(0.446)	529505	50.0000	49.909
12 Acrolein	56	1.875	1.875	(0.539)	445945	2000.00	2190.9
13 1,1-Dichloroethene	96	1.883	1.883	(0.541)	253235	50.0000	49.390
14 Trichlorotrifluoroethane	101	1.855	1.855	(0.533)	316142	50.0000	50.708
15 Acetone	43	1.974	1.974	(0.567)	21564	50.0000	36.221
17 Carbon Disulfide	76	2.014	2.014	(0.579)	799423	50.0000	54.487
18 Acetonitrile	41	2.201	2.201	(0.633)	123080	400.000	439.21
22 Methylene chloride	84	2.232	2.232	(0.641)	330152	50.0000	44.904
23 Acrylonitrile	53	2.447	2.447	(0.703)	377744	400.000	414.04
24 trans-1,2-Dichloroethene	96	2.371	2.371	(0.681)	406708	50.0000	50.845
25 Methyl-tert-Butyl Ether	73	2.359	2.359	(0.678)	515692	50.0000	52.625
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	680214	50.0000	51.312
28 Vinyl Acetate	43	2.711	2.711	(0.779)	252127	50.0000	56.058
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	427222	50.0000	51.411
32 2,2-Dichloropropane	77	3.071	3.071	(0.883)	535078	50.0000	56.664
33 2-Butanone	43	3.131	3.131	(0.900)	46149	50.0000	43.586
34 Propionitrile	54	3.236	3.236	(0.800)	139731	400.000	412.49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.275	3.275	(0.941)	167447	50.0000	52.719
	39 Tetrahydrofuran	42	3.281	3.281	(0.943)	30662	50.0000	48.564
	40 Chloroform	83	3.324	3.324	(0.955)	658672	50.0000	51.441
$	41 Dibromofluoromethane	113	3.448	3.448	(0.991)	365238	50.0000	49.605
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	631793	50.0000	53.970
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	534310	25.0000	
	46 1,1-Dichloropropene	75	3.548	3.548	(1.020)	565956	50.0000	49.536
	47 Carbon tetrachloride	117	3.516	3.516	(0.869)	608741	50.0000	61.763
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	283491	50.0000	49.141
	50 Benzene	78	3.706	3.706	(0.916)	1526732	50.0000	49.822
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	333856	50.0000	50.468
*	55 1,4-Difluorobenzene	114	4.047	4.047	(1.000)	734611	25.0000	
	57 Trichloroethene	130	4.225	4.225	(1.044)	504513	50.0000	51.137
	59 1,2-Dichloropropane	63	4.461	4.461	(1.102)	344293	50.0000	51.886
	60 Dibromomethane	93	4.563	4.563	(1.128)	144626	50.0000	52.779
	62 Bromodichloromethane	83	4.687	4.687	(1.158)	410783	50.0000	56.856
	64 2-Chloroethylvinylether	63	4.954	4.954	(1.224)	117661	50.0000	54.864
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	463316	50.0000	61.138
	66 4-Methyl-2-pentanone	43	5.189	5.189	(1.282)	98410	50.0000	51.172
$	67 Toluene-d8	98	5.229	5.229	(1.292)	1564035	50.0000	49.469
	68 Toluene	92	5.286	5.286	(1.306)	1043789	50.0000	51.405
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.369)	344104	50.0000	61.737
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	214075	50.0000	49.684
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	569626	50.0000	50.965
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	348438	50.0000	51.179
	74 2-Hexanone	43	5.873	5.873	(0.916)	65128	50.0000	53.680
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	275171	50.0000	61.388
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	211226	50.0000	54.332
*	78 Chlorobenzene-d5	117	6.411	6.411	(1.000)	609399	25.0000	
	79 1-Chlorohexane	91	6.406	6.406	(1.841)	637026	50.0000	51.648
	80 Chlorobenzene	112	6.434	6.434	(1.004)	1179655	50.0000	50.436
	81 1,1,1,2-Tetrachloroethane	131	6.511	6.511	(1.015)	369329	50.0000	57.133
	82 Ethylbenzene	106	6.497	6.497	(1.013)	664689	50.0000	51.277
	83 p,m-Xylene	91	6.596	6.596	(1.029)	3164944	100.000	102.73
	84 o-Xylene	91	6.911	6.911	(1.078)	1582537	50.0000	54.007
	85 Styrene	104	6.933	6.933	(1.081)	1264333	50.0000	54.707
	86 Bromoform	173	7.098	7.098	(1.107)	137699	50.0000	63.082
	87 Isopropylbenzene	105	7.191	7.191	(0.872)	2252076	50.0000	52.967
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	524276	50.0000	50.442
	90 1,1,2,2-Tetrachloroethane	83	7.500	7.500	(0.910)	196069	50.0000	49.449
	91 Bromobenzene	156	7.452	7.452	(0.904)	494758	50.0000	51.807
	92 1,2,3-Trichloropropane	110	7.537	7.537	(0.914)	62805	50.0000	49.834
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	2541077	50.0000	52.104
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	1410301	50.0000	50.480
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	1853569	50.0000	53.450
	97 4-Chlorotoluene	91	7.690	7.690	(0.933)	1464146	50.0000	51.336
	98 tert-Butylbenzene	119	7.897	7.897	(0.958)	1717339	50.0000	52.970
	100 1,2,4-Trimethylbenzene	105	7.951	7.951	(0.965)	1808816	50.0000	53.087
	101 sec-Butylbenzene	105	8.070	8.070	(0.979)	2542323	50.0000	52.510
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	1004863	50.0000	48.936
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	2185394	50.0000	52.633
*	104 1,4-Dichlorobenzene-d4	152	8.243	8.243	(1.000)	330345	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	1004532	50.0000	48.932
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	877180	50.0000	50.465

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	1923013	50.0000	53.183
108 1,2-Dibromo-3-Chloropropane	75	9.173	9.173	(1.113)	26355	50.0000	66.200
110 1,2,4-Trichlorobenzene	180	9.774	9.774	(1.186)	645653	50.0000	53.894
111 Hexachlorobutadiene	225	9.862	9.862	(1.196)	444052	50.0000	52.069
112 Naphthalene	128	9.967	9.967	(1.209)	837026	50.0000	58.844
113 1,2,3-Trichlorobenzene	180	10.154	10.154	(1.232)	496757	50.0000	53.331
M 115 1,2-Dichloroethene (total)	96				833930	100.000	102.27
M 116 Xylene (total)	100				4747481	50.0000	162.02

Data File: 22I1027G.D

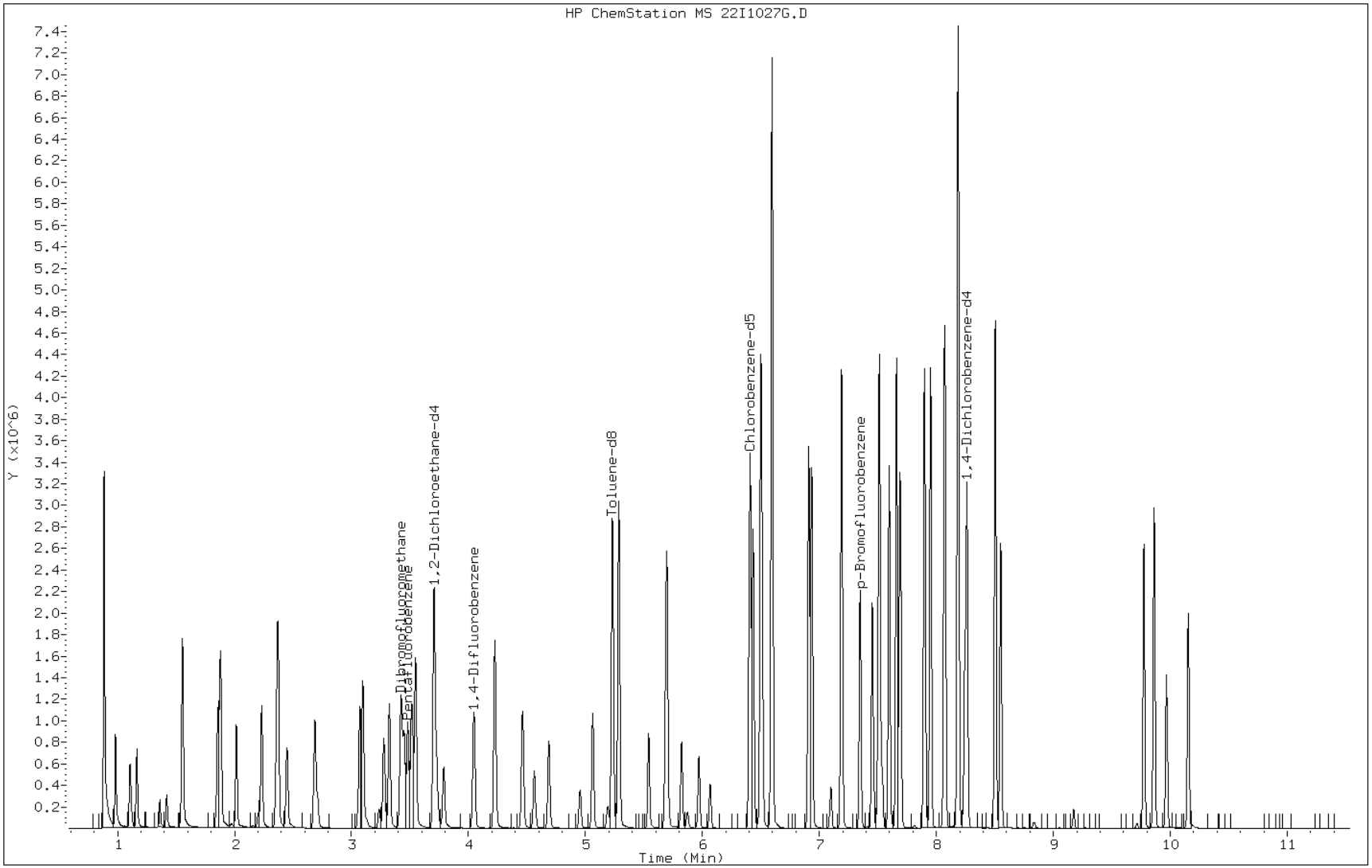
Date: 27-OCT-2010 16:47

Client ID: IC

Instrument: ms22.i

Sample Info: STD7

Operator: EA



TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027H.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 17:45
Operator : EA Inst ID: ms22.i
Smp Info : STD8
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 20:07 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 17:45 Cal File: 22I1027H.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	704384	75.0000	88.869
2 Chloromethane	50	1.106	1.106	(0.318)	732402	75.0000	84.128
3 Vinyl chloride	62	1.163	1.163	(0.334)	664978	75.0000	88.281
5 Bromomethane	94	1.359	1.359	(0.391)	127303	75.0000	79.668
6 Chloroethane	64	1.413	1.413	(0.406)	74727	75.0000	34.774
7 Trichlorofluoromethane	101	1.537	1.537	(0.442)	756896	75.0000	74.155
12 Acrolein	56	1.878	1.878	(0.540)	801372	3000.00	3662.4
13 1,1-Dichloroethene	96	1.878	1.878	(0.540)	383108	75.0000	76.733
14 Trichlorotrifluoroethane	101	1.849	1.849	(0.531)	502775	75.0000	80.200
15 Acetone	43	1.980	1.980	(0.569)	38944	75.0000	70.602
17 Carbon Disulfide	76	2.008	2.008	(0.577)	1397916	75.0000	90.403
18 Acetonitrile	41	2.207	2.207	(0.634)	224167	600.000	742.05
22 Methylene chloride	84	2.229	2.229	(0.641)	555791	75.0000	77.815
23 Acrylonitrile	53	2.450	2.450	(0.704)	666997	600.000	688.48
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	664794	75.0000	82.551
25 Methyl-tert-Butyl Ether	73	2.362	2.362	(0.679)	889289	75.0000	86.586
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	1118501	75.0000	83.282
28 Vinyl Acetate	43	2.711	2.711	(0.779)	416042	75.0000	86.375
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	696345	75.0000	82.646
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	943369	75.0000	94.491
33 2-Butanone	43	3.131	3.131	(0.900)	89493	75.0000	81.986
34 Propionitrile	54	3.239	3.239	(0.800)	249305	600.000	707.94

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	37 Bromochloromethane	128	3.276	3.276	(0.941)	278075	75.0000	84.657
	39 Tetrahydrofuran	42	3.284	3.284	(0.944)	55334	75.0000	84.973
	40 Chloroform	83	3.324	3.324	(0.955)	1090461	75.0000	83.753
$	41 Dibromofluoromethane	113	3.451	3.451	(0.992)	575337	75.0000	75.792
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	1076808	75.0000	88.980
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	522158	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	919335	75.0000	81.014
	47 Carbon tetrachloride	117	3.514	3.514	(0.868)	1023521	75.0000	98.319
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	466273	75.0000	78.055
	50 Benzene	78	3.704	3.704	(0.915)	2520660	75.0000	83.070
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	556646	75.0000	84.018
*	55 1,4-Difluorobenzene	114	4.047	4.047	(1.000)	707802	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.043)	823261	75.0000	83.997
	59 1,2-Dichloropropane	63	4.461	4.461	(1.102)	564771	75.0000	84.280
	60 Dibromomethane	93	4.563	4.563	(1.127)	238299	75.0000	85.651
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	713432	75.0000	93.559
	64 2-Chloroethylvinylether	63	4.954	4.954	(1.224)	180240	75.0000	82.254
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	797080	75.0000	98.082
	66 4-Methyl-2-pentanone	43	5.192	5.192	(1.283)	193146	75.0000	90.117
$	67 Toluene-d8	98	5.229	5.229	(1.292)	2495405	75.0000	77.759
	68 Toluene	92	5.283	5.283	(1.305)	1749607	75.0000	85.716
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.369)	609229	75.0000	101.31(A)
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	350296	75.0000	81.250
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	931674	75.0000	83.817
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	580020	75.0000	84.745
	74 2-Hexanone	43	5.873	5.873	(0.916)	131514	75.0000	94.954
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	490097	75.0000	99.705
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	353913	75.0000	88.706
*	78 Chlorobenzene-d5	117	6.412	6.412	(1.000)	591150	25.0000	
	79 1-Chlorohexane	91	6.406	6.406	(1.841)	1055039	75.0000	84.149
	80 Chlorobenzene	112	6.434	6.434	(1.004)	1906432	75.0000	82.255
	81 1,1,1,2-Tetrachloroethane	131	6.511	6.511	(1.015)	626909	75.0000	92.116
	82 Ethylbenzene	106	6.500	6.500	(1.014)	1102437	75.0000	84.989
	83 p,m-Xylene	91	6.596	6.596	(1.029)	5226672	150.000	169.60
	84 o-Xylene	91	6.911	6.911	(1.078)	2647178	75.0000	88.316
	85 Styrene	104	6.936	6.936	(1.082)	2115270	75.0000	89.091
	86 Bromoform	173	7.098	7.098	(1.107)	256502	75.0000	104.47(A)
	87 Isopropylbenzene	105	7.191	7.191	(0.872)	3776452	75.0000	81.977
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	857815	75.0000	79.243
	90 1,1,2,2-Tetrachloroethane	83	7.501	7.501	(0.910)	339060	75.0000	80.184
	91 Bromobenzene	156	7.455	7.455	(0.904)	826129	75.0000	80.470
	92 1,2,3-Trichloropropane	110	7.537	7.537	(0.914)	107515	75.0000	79.318
	94 n-Propylbenzene	91	7.515	7.515	(0.912)	4316541	75.0000	82.327
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	2386336	75.0000	80.236
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	3126313	75.0000	83.038
	97 4-Chlorotoluene	91	7.691	7.691	(0.933)	2490074	75.0000	81.683
	98 tert-Butylbenzene	119	7.900	7.900	(0.958)	2887100	75.0000	82.314
	100 1,2,4-Trimethylbenzene	105	7.951	7.951	(0.965)	3067589	75.0000	82.961
	101 sec-Butylbenzene	105	8.073	8.073	(0.979)	4304543	75.0000	82.500
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	1666999	75.0000	77.154
	103 p-Isopropyltoluene	119	8.190	8.190	(0.993)	3679101	75.0000	81.916
*	104 1,4-Dichlorobenzene-d4	152	8.243	8.243	(1.000)	346505	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	1669979	75.0000	77.268
	106 1,2-Dichlorobenzene	146	8.553	8.553	(1.037)	1479932	75.0000	79.874

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	3324613	75.0000	84.829
108 1,2-Dibromo-3-Chloropropane	75	9.176	9.176	(1.113)	52358	75.0000	106.54(A)
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	1143223	75.0000	86.699
111 Hexachlorobutadiene	225	9.863	9.863	(1.196)	775271	75.0000	83.887
112 Naphthalene	128	9.967	9.967	(1.209)	1482182	75.0000	90.844
113 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.232)	871706	75.0000	84.910
M 115 1,2-Dichloroethene (total)	96				1361139	150.000	165.20
M 116 Xylene (total)	100				7873850	75.0000	262.69

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 22I1027H.D

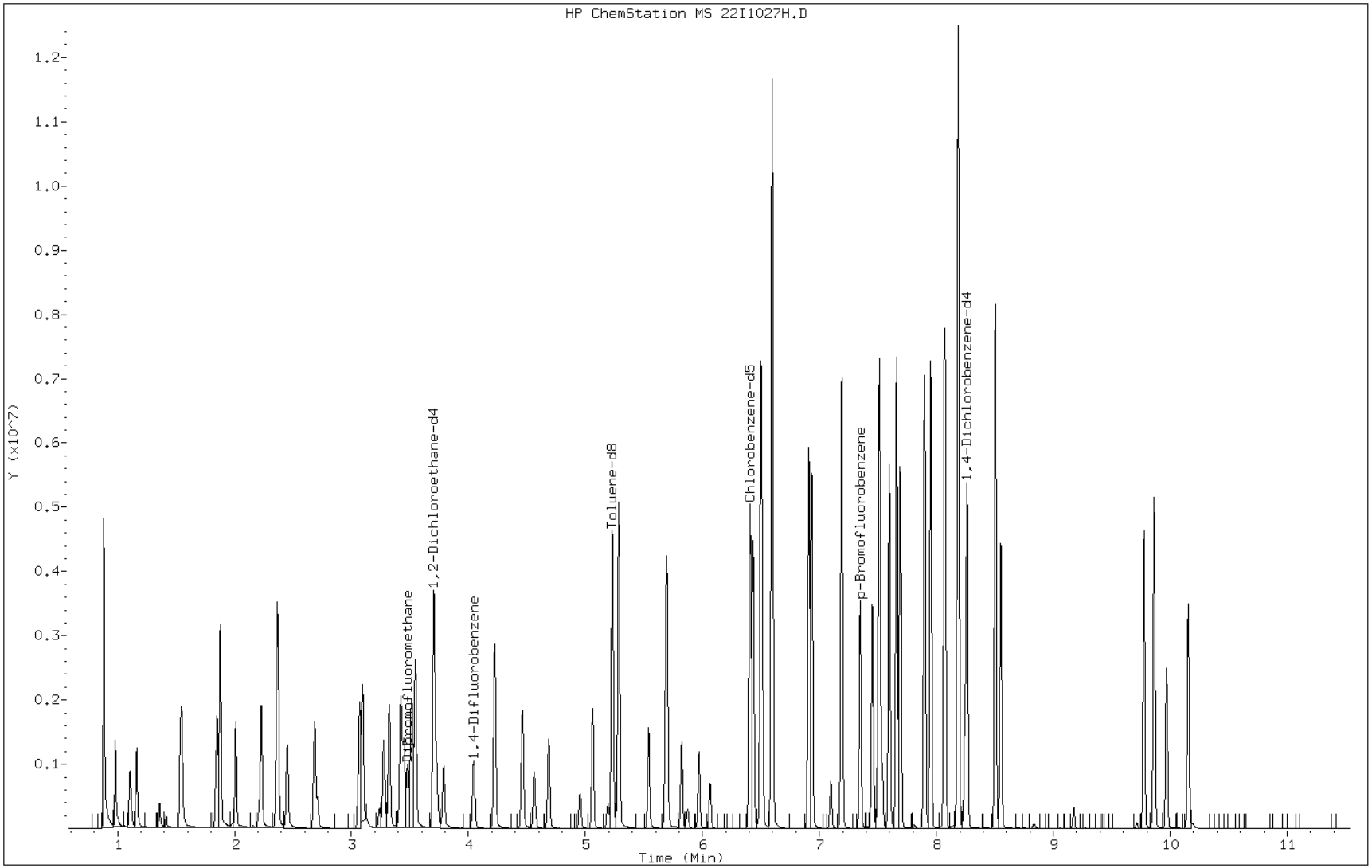
Date: 27-OCT-2010 17:45

Client ID: IC

Instrument: ms22.i

Sample Info: STD8

Operator: EA



TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22I1027I.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 27-OCT-2010 18:08
Operator : EA Inst ID: ms22.i
Smp Info : STD9
Misc Info : IC,1,1,water22.m,102710.b
Comment   : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\water22.m
Meth Date : 27-Oct-2010 19:02 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 18:08 Cal File: 22I1027I.D
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	941187	100.000	109.31(A)
2 Chloromethane	50	1.106	1.106	(0.318)	995703	100.000	106.87(A)
3 Vinyl chloride	62	1.163	1.163	(0.334)	882728	100.000	110.46(A)
5 Bromomethane	94	1.359	1.359	(0.391)	181974	100.000	107.41(A)
6 Chloroethane	64	1.413	1.413	(0.406)	104495	100.000	42.879
7 Trichlorofluoromethane	101	1.540	1.540	(0.443)	1041576	100.000	96.050
12 Acrolein	56	1.878	1.878	(0.540)	1090475	4000.00	4676.9(A)
13 1,1-Dichloroethene	96	1.878	1.878	(0.540)	488983	100.000	92.873
14 Trichlorotrifluoroethane	101	1.849	1.849	(0.531)	658538	100.000	99.983
15 Acetone	43	1.980	1.980	(0.569)	52967	100.000	90.392
17 Carbon Disulfide	76	2.008	2.008	(0.577)	1774461	100.000	108.33(A)
18 Acetonitrile	41	2.207	2.207	(0.634)	307372	800.000	950.08(A)
22 Methylene chloride	84	2.229	2.229	(0.641)	732444	100.000	96.293
23 Acrylonitrile	53	2.450	2.450	(0.704)	942454	800.000	921.57(A)
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	869224	100.000	102.24(A)
25 Methyl-tert-Butyl Ether	73	2.363	2.363	(0.679)	1232508	100.000	112.92(A)
27 1,1-Dichloroethane	63	2.683	2.683	(0.771)	1472332	100.000	103.92(A)
28 Vinyl Acetate	43	2.711	2.711	(0.779)	626939	100.000	122.20(A)
31 cis-1,2-Dichloroethene	96	3.097	3.097	(0.890)	925331	100.000	104.26(A)
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	1202413	100.000	113.35(A)
33 2-Butanone	43	3.134	3.134	(0.901)	128979	100.000	110.35(A)
34 Propionitrile	54	3.239	3.239	(0.800)	350405	800.000	911.35(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.276	3.276	(0.941)	371487	100.000	107.14(A)
	39 Tetrahydrofuran	42	3.281	3.281	(0.943)	76081	100.000	108.55(A)
	40 Chloroform	83	3.324	3.324	(0.955)	1434254	100.000	104.52(A)
$	41 Dibromofluoromethane	113	3.449	3.449	(0.991)	810894	100.000	103.00(A)
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	1400419	100.000	109.11(A)
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	553396	25.0000	
	46 1,1-Dichloropropene	75	3.548	3.548	(1.020)	1194182	100.000	99.397
	47 Carbon tetrachloride	117	3.514	3.514	(0.868)	1323335	100.000	116.35(A)
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	656594	100.000	103.44(A)
	50 Benzene	78	3.704	3.704	(0.915)	3318351	100.000	101.00(A)
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	753740	100.000	105.10(A)
*	55 1,4-Difluorobenzene	114	4.047	4.047	(1.000)	768612	25.0000	
	57 Trichloroethene	130	4.226	4.226	(1.044)	1078427	100.000	101.58(A)
	59 1,2-Dichloropropane	63	4.461	4.461	(1.102)	758893	100.000	104.58(A)
	60 Dibromomethane	93	4.563	4.563	(1.127)	323049	100.000	106.80(A)
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	957601	100.000	114.58(A)
	64 2-Chloroethylvinylether	63	4.954	4.954	(1.224)	270291	100.000	112.21(A)
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	1070322	100.000	121.06(A)
	66 4-Methyl-2-pentanone	43	5.192	5.192	(1.283)	282635	100.000	121.21(A)
$	67 Toluene-d8	98	5.232	5.232	(1.293)	3436993	100.000	100.60(A)
	68 Toluene	92	5.286	5.286	(1.306)	2271003	100.000	103.05(A)
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.369)	819950	100.000	124.29(A)
	71 1,1,2-Trichloroethane	97	5.686	5.686	(1.634)	477061	100.000	104.25(A)
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	1197142	100.000	99.934
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	790426	100.000	106.67(A)
	74 2-Hexanone	43	5.873	5.873	(0.916)	191634	100.000	125.79(A)
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	666490	100.000	123.13(A)
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	487542	100.000	112.49(A)
*	78 Chlorobenzene-d5	117	6.412	6.412	(1.000)	637732	25.0000	
	79 1-Chlorohexane	91	6.406	6.406	(1.841)	1363636	100.000	102.73(A)
	80 Chlorobenzene	112	6.434	6.434	(1.004)	2530981	100.000	101.17(A)
	81 1,1,1,2-Tetrachloroethane	131	6.511	6.511	(1.015)	824848	100.000	111.65(A)
	82 Ethylbenzene	106	6.500	6.500	(1.014)	1411427	100.000	101.02(A)
	83 p,m-Xylene	91	6.596	6.596	(1.029)	6684784	200.000	201.51(A)
	84 o-Xylene	91	6.911	6.911	(1.078)	3451348	100.000	106.94(A)
	85 Styrene	104	6.936	6.936	(1.082)	2753272	100.000	107.74(A)
	86 Bromoform	173	7.098	7.098	(1.107)	353533	100.000	129.64(A)
	87 Isopropylbenzene	105	7.192	7.192	(0.872)	4862770	100.000	100.36(A)
$	89 p-Bromofluorobenzene	95	7.350	7.350	(1.146)	1178222	100.000	102.73(A)
	90 1,1,2,2-Tetrachloroethane	83	7.501	7.501	(0.910)	466435	100.000	103.79(A)
	91 Bromobenzene	156	7.455	7.455	(0.904)	1093760	100.000	100.96(A)
	92 1,2,3-Trichloropropane	110	7.537	7.537	(0.914)	147954	100.000	103.30(A)
	94 n-Propylbenzene	91	7.515	7.515	(0.912)	5480034	100.000	99.270
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	3107275	100.000	98.947
	96 1,3,5-Trimethylbenzene	105	7.662	7.662	(0.929)	4036099	100.000	102.00(A)
	97 4-Chlorotoluene	91	7.693	7.693	(0.933)	3183819	100.000	98.924
	98 tert-Butylbenzene	119	7.900	7.900	(0.958)	3756220	100.000	101.81(A)
	100 1,2,4-Trimethylbenzene	105	7.951	7.951	(0.965)	3955539	100.000	101.80(A)
	101 sec-Butylbenzene	105	8.073	8.073	(0.979)	5520104	100.000	100.44(A)
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	2127518	100.000	93.871
	103 p-Isopropyltoluene	119	8.190	8.190	(0.993)	4633680	100.000	98.366
*	104 1,4-Dichlorobenzene-d4	152	8.244	8.244	(1.000)	366737	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	2127518	100.000	93.859
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	1955157	100.000	99.734

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	4158336	100.000	100.65(A)
108 1,2-Dibromo-3-Chloropropane	75	9.174	9.174	(1.113)	71578	100.000	136.73(A)
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	1448309	100.000	103.68(A)
111 Hexachlorobutadiene	225	9.863	9.863	(1.196)	959030	100.000	98.528
112 Naphthalene	128	9.968	9.968	(1.209)	2014615	100.000	115.97(A)
113 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.232)	1141215	100.000	105.22(A)
M 115 1,2-Dichloroethene (total)	96				1794555	200.000	206.55(A)
M 116 Xylene (total)	100				10136132	100.000	314.07(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 22I1027I.D

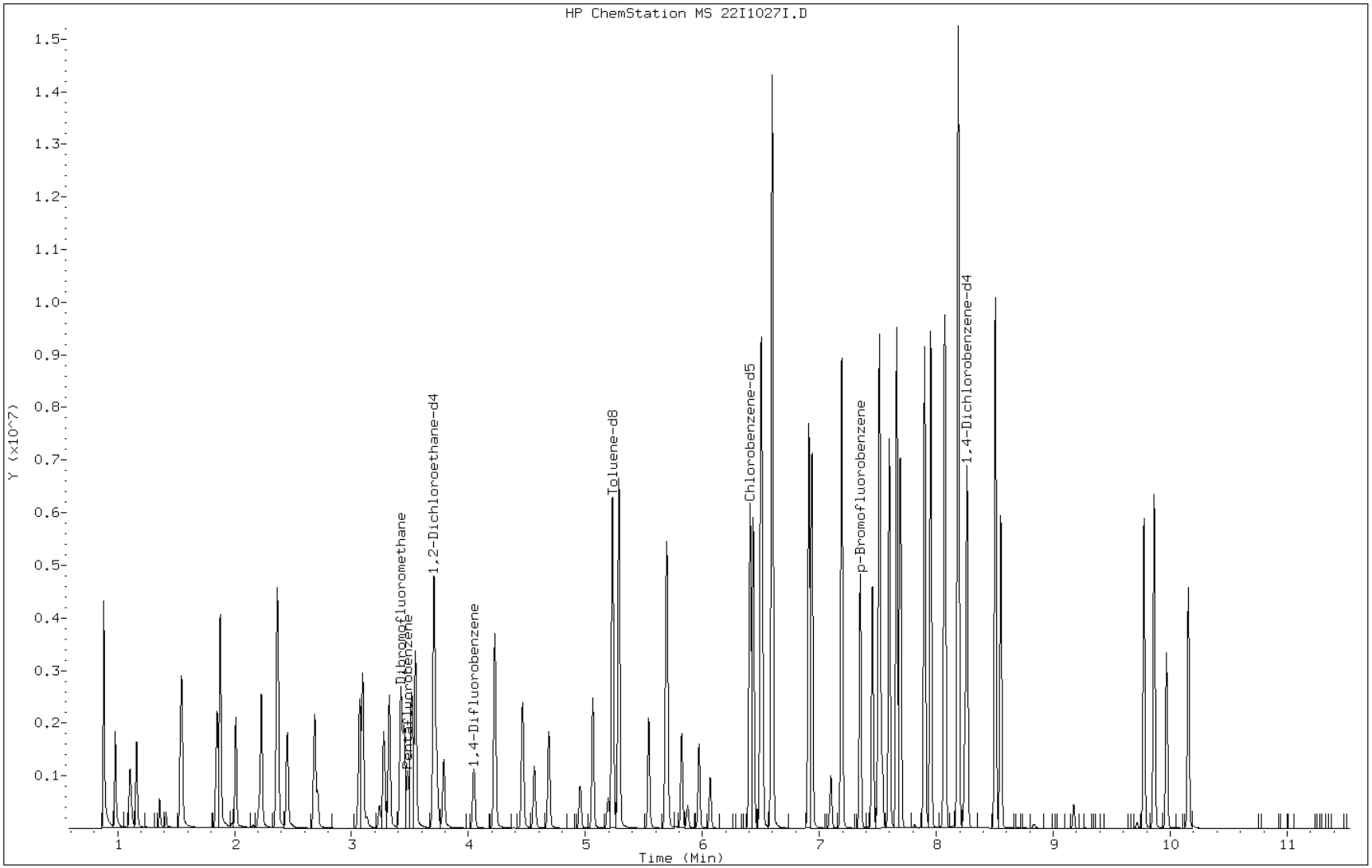
Date: 27-OCT-2010 18:08

Client ID: IC

Instrument: ms22.i

Sample Info: STD9

Operator: EA



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 500-98381/2 Calibration Date: 10/28/2010 12:23

Instrument ID: MS22 Calib Start Date: 10/27/2010 14:06

GC Column: DB624 ID: 0.20(mm) Calib End Date: 10/27/2010 18:37

Lab File ID: 22C1028A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1	0.3728	0.3927	0.0100	23.5	25.0	-5.9	50.0
Chloromethane	Ave	0.4152	0.4064	0.1000	24.5	25.0	-2.1	50.0
Vinyl chloride	Ave	0.3579	0.3622	0.0100	25.3	25.0	1.2	20.0
Bromomethane	Ave	0.0771	0.0774	0.0100	25.1	25.0	0.3	50.0
Chloroethane	Ave	0.1008	0.0574	0.0100	14.2	25.0	-43.1	50.0
Trichlorofluoromethane	Ave	0.4851	0.4832	0.0100	24.9	25.0	-0.4	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2974	0.3180	0.0100	26.7	25.0	6.9	50.0
Acrolein	Qua	0.0110	0.0138	0.0010	1280	1000	28.0	50.0
1,1-Dichloroethene	Ave	0.2371	0.2515	0.0100	26.5	25.0	6.1	20.0
Acetone	Qua	0.0270	0.0240	0.0100	27.5	25.0	10.0	50.0
Carbon disulfide	Ave	0.7367	0.6469	0.0100	22.0	25.0	-12.2	50.0
Acetonitrile	Qua	0.0151	0.0161	0.0010	219	200	9.7	50.0
Methylene Chloride	Ave	0.3463	0.3550	0.0100	25.6	25.0	2.5	50.0
Methyl tert-butyl ether	Ave	0.5000	0.4986	0.0100	24.9	25.0	-0.3	50.0
trans-1,2-Dichloroethene	Ave	0.3875	0.3900	0.0100	25.2	25.0	0.7	50.0
Acrylonitrile	Ave	0.0475	0.0525	0.0100	221	200	10.6	50.0
1,1-Dichloroethane	Ave	0.6424	0.6363	0.1000	24.8	25.0	-1.0	50.0
Vinyl acetate	Lin1	0.2356	0.1890	0.0100	18.2	25.0	-27.1	50.0
2,2-Dichloropropane	Ave	0.4831	0.4836	0.0100	25.0	25.0	0.0	50.0
cis-1,2-Dichloroethene	Ave	0.4039	0.4040	0.0100	25.0	25.0	0.0	50.0
2-Butanone (MEK)	Qua	0.0547	0.0489	0.0100	26.7	25.0	6.8	50.0
Propionitrile	Ave	0.0129	0.0142	0.0010	220	200	10.2	50.0
Bromochloromethane	Ave	0.1577	0.1611	0.0100	25.5	25.0	2.1	50.0
Tetrahydrofuran	Ave	0.0326	0.0316	0.0100	24.2	25.0	-3.0	50.0
Chloroform	Ave	0.6231	0.6278	0.0100	25.2	25.0	0.8	20.0
1,1,1-Trichloroethane	Ave	0.5823	0.5777	0.0100	24.8	25.0	-0.8	50.0
Carbon tetrachloride	Lin1	0.3731	0.3642	0.0100	21.1	25.0	-15.6	50.0
1,1-Dichloropropene	Ave	0.5435	0.5331	0.0100	24.5	25.0	-1.9	50.0
Benzene	Ave	1.077	1.075	0.0100	25.0	25.0	-0.1	50.0
1,2-Dichloroethane	Ave	0.2357	0.2396	0.0100	25.4	25.0	1.7	50.0
Trichloroethene	Ave	0.3482	0.3553	0.0100	25.5	25.0	2.0	50.0
1,2-Dichloropropane	Ave	0.2382	0.2338	0.0100	24.5	25.0	-1.9	20.0
Dibromomethane	Ave	0.0996	0.1022	0.0100	25.6	25.0	2.6	50.0
Bromodichloromethane	Lin1	0.2736	0.2793	0.0100	22.9	25.0	-8.2	50.0
2-Chloroethyl vinyl ether	Ave	0.0792	0.0717	0.0100	22.6	25.0	-9.4	50.0
cis-1,3-Dichloropropene	Lin1	0.2916	0.3133	0.0100	22.9	25.0	-8.3	50.0
4-Methyl-2-pentanone (MIBK)	Qua	0.0783	0.0758	0.0100	27.1	25.0	8.3	50.0
Toluene	Ave	0.7258	0.7490	0.0100	25.8	25.0	3.2	20.0
trans-1,3-Dichloropropene	Lin1	0.2174	0.2229	0.0100	21.5	25.0	-14.0	50.0
1,1,2-Trichloroethane	Ave	0.2083	0.2143	0.0100	25.7	25.0	2.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 500-98381/2 Calibration Date: 10/28/2010 12:23

Instrument ID: MS22 Calib Start Date: 10/27/2010 14:06

GC Column: DB624 ID: 0.20(mm) Calib End Date: 10/27/2010 18:37

Lab File ID: 22C1028A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.4731	0.4731	0.0100	25.0	25.0	0.0	50.0
1,3-Dichloropropane	Ave	0.2921	0.2962	0.0100	25.4	25.0	1.4	50.0
2-Hexanone	Ave	0.0606	0.0529	0.0100	21.8	25.0	-12.6	50.0
Dibromochloromethane	Lin1	0.2127	0.2097	0.0100	21.1	25.0	-15.5	50.0
1,2-Dibromoethane	Ave	0.1427	0.1551	0.0100	27.2	25.0	8.6	50.0
1-Chlorohexane	Ave	0.6046	0.6063	0.0100	25.1	25.0	0.3	50.0
Chlorobenzene	Ave	0.9867	0.9757	0.3000	24.7	25.0	-1.1	50.0
Ethylbenzene	Ave	0.5538	0.5461	0.0100	24.7	25.0	-1.4	20.0
1,1,1,2-Tetrachloroethane	Lin1	0.2917	0.2908	0.0100	22.6	25.0	-9.5	50.0
m&p-Xylene	Ave	1.316	1.323	0.0100	50.3	50.0	0.5	50.0
o-Xylene	Ave	1.279	1.300	0.0100	25.4	25.0	1.7	50.0
Styrene	Ave	1.015	1.046	0.0100	25.7	25.0	3.0	50.0
Bromoform	Qua	0.1063	0.0993*	0.1000	22.7	25.0	-9.3	50.0
Isopropylbenzene	Ave	3.344	3.387	0.0100	25.3	25.0	1.3	50.0
Bromobenzene	Ave	0.7454	0.7619	0.0100	25.6	25.0	2.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.3094	0.3117	0.3000	25.2	25.0	0.8	50.0
N-Propylbenzene	Ave	3.806	3.844	0.0100	25.2	25.0	1.0	50.0
1,2,3-Trichloropropane	Ave	0.0979	0.0981	0.0100	25.0	25.0	0.1	50.0
2-Chlorotoluene	Ave	2.157	2.151	0.0100	24.9	25.0	-0.3	50.0
1,3,5-Trimethylbenzene	Ave	2.728	2.790	0.0100	25.6	25.0	2.3	50.0
4-Chlorotoluene	Ave	2.215	2.196	0.0100	24.8	25.0	-0.8	50.0
tert-Butylbenzene	Ave	2.544	2.574	0.0100	25.3	25.0	1.2	50.0
1,2,4-Trimethylbenzene	Ave	2.680	2.725	0.0100	25.4	25.0	1.7	50.0
sec-Butylbenzene	Ave	3.790	3.784	0.0100	25.0	25.0	-0.2	50.0
1,3-Dichlorobenzene	Ave	1.572	1.589	0.0100	25.3	25.0	1.1	50.0
1,4-Dichlorobenzene	Ave	1.572	1.590	0.0100	25.3	25.0	1.1	50.0
p-Isopropyltoluene	Ave	3.267	3.316	0.0100	25.4	25.0	1.5	50.0
n-Butylbenzene	Ave	2.861	2.886	0.0100	25.2	25.0	0.9	50.0
1,2-Dichlorobenzene	Ave	1.351	1.374	0.0100	25.4	25.0	1.7	50.0
1,2-Dibromo-3-Chloropropane	Qua	0.0365	0.0373	0.0100	23.3	25.0	-6.9	50.0
1,2,4-Trichlorobenzene	Ave	0.9718	1.001	0.0100	25.7	25.0	3.0	50.0
Hexachlorobutadiene	Ave	0.6772	0.6600	0.0100	24.4	25.0	-2.5	50.0
Naphthalene	Lin1	1.215	1.255	0.0100	23.4	25.0	-6.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7605	0.7610	0.0100	25.0	25.0	0.0	50.0
1,2-Dichloroethene, Total	Ave	0.3957	0.3970	0.0100	50.2	50.0	0.3	50.0
Dibromofluoromethane	Ave	0.3601	0.3355	0.0100	23.3	25.0	-6.8	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2099	0.1976	0.0100	23.5	25.0	-5.8	50.0
Toluene-d8 (Surr)	Ave	1.130	1.057	0.0100	23.4	25.0	-6.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4613	0.4080	0.0100	22.1	25.0	-11.6	50.0

STL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\CHEM\ms22.i\102810.b\22C1028A.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 28-OCT-2010 12:23
Operator : EA Inst ID: ms22.i
Smp Info : CCV
Misc Info : CCV,1,1,water22.m,102810.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\CHEM\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-MS02

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.982	0.982	(0.282)	191685	25.0000	23.514
2 Chloromethane	50	1.104	1.104	(0.317)	198382	25.0000	24.471
3 Vinyl chloride	62	1.163	1.163	(0.334)	176782	25.0000	25.298
5 Bromomethane	94	1.362	1.362	(0.391)	37764	25.0000	25.084
6 Chloroethane	64	1.415	1.415	(0.407)	28013	25.0000	14.232
7 Trichlorofluoromethane	101	1.546	1.546	(0.444)	235871	25.0000	24.900
12 Acrolein	56	1.875	1.875	(0.539)	269282	1000.00	1280.3
13 1,1-Dichloroethene	96	1.880	1.880	(0.540)	122765	25.0000	26.519
14 Trichlorotrifluoroethane	101	1.852	1.852	(0.532)	155242	25.0000	26.732
15 Acetone	43	1.974	1.974	(0.567)	11704	25.0000	27.491
17 Carbon Disulfide	76	2.014	2.014	(0.579)	315787	25.0000	21.952
18 Acetonitrile	41	2.204	2.204	(0.633)	63031	200.000	219.41
22 Methylene chloride	84	2.229	2.229	(0.641)	173291	25.0000	25.628
23 Acrylonitrile	53	2.448	2.448	(0.703)	205141	200.000	221.10
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	190389	25.0000	25.164
25 Methyl-tert-Butyl Ether	73	2.360	2.360	(0.678)	243378	25.0000	24.928
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	310592	25.0000	24.761
28 Vinyl Acetate	43	2.708	2.708	(0.778)	92239	25.0000	18.234
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	197224	25.0000	25.008
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	236057	25.0000	25.024
33 2-Butanone	43	3.128	3.128	(0.899)	23862	25.0000	26.692
34 Propionitrile	54	3.236	3.236	(0.800)	75669	200.000	220.45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.273	3.273	(0.941)	78642	25.0000	25.536
	39 Tetrahydrofuran	42	3.281	3.281	(0.943)	15425	25.0000	24.247
	40 Chloroform	83	3.321	3.321	(0.954)	306465	25.0000	25.189
$	41 Dibromofluoromethane	113	3.449	3.449	(0.991)	163766	25.0000	23.291
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	281981	25.0000	24.802
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	488147	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	260226	25.0000	24.519
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	242665	25.0000	21.103
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	131653	25.0000	23.538
	50 Benzene	78	3.704	3.704	(0.916)	716465	25.0000	24.968
	51 1,2-Dichloroethane	62	3.789	3.789	(0.937)	159669	25.0000	25.414
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	666285	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.044)	236705	25.0000	25.504
	59 1,2-Dichloropropane	63	4.458	4.458	(1.102)	155745	25.0000	24.531
	60 Dibromomethane	93	4.560	4.560	(1.128)	68108	25.0000	25.649
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	186062	25.0000	22.950
	64 2-Chloroethylvinylether	63	4.951	4.951	(1.224)	47795	25.0000	22.648
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.252)	208752	25.0000	22.933
	66 4-Methyl-2-pentanone	43	5.190	5.190	(1.283)	50525	25.0000	27.083
$	67 Toluene-d8	98	5.229	5.229	(1.293)	704534	25.0000	23.396
	68 Toluene	92	5.283	5.283	(1.306)	499077	25.0000	25.802
	69 trans-1,3-Dichloropropene	75	5.541	5.541	(1.370)	148484	25.0000	21.503
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	104599	25.0000	25.723
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	273146	25.0000	25.003
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	171010	25.0000	25.351
	74 2-Hexanone	43	5.870	5.870	(0.916)	30552	25.0000	21.850
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	121072	25.0000	21.121
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	103326	25.0000	27.162
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	577312	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	295979	25.0000	25.071
	80 Chlorobenzene	112	6.432	6.432	(1.004)	563282	25.0000	24.721
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	167894	25.0000	22.626
	82 Ethylbenzene	106	6.497	6.497	(1.014)	315296	25.0000	24.652
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1527617	50.0000	50.272
	84 o-Xylene	91	6.908	6.908	(1.078)	750432	25.0000	25.418
	85 Styrene	104	6.933	6.933	(1.082)	603658	25.0000	25.749
	86 Bromoform	173	7.095	7.095	(1.107)	57299	25.0000	22.679
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	1062526	25.0000	25.320
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	235550	25.0000	22.112
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	97808	25.0000	25.189
	91 Bromobenzene	156	7.452	7.452	(0.904)	239055	25.0000	25.553
	92 1,2,3-Trichloropropane	110	7.535	7.535	(0.914)	30768	25.0000	25.032
	94 n-Propylbenzene	91	7.512	7.512	(0.912)	1206094	25.0000	25.249
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	674945	25.0000	24.935
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	875302	25.0000	25.566
	97 4-Chlorotoluene	91	7.691	7.691	(0.933)	689022	25.0000	24.789
	98 tert-Butylbenzene	119	7.898	7.898	(0.958)	807613	25.0000	25.300
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.965)	854971	25.0000	25.422
	101 sec-Butylbenzene	105	8.071	8.071	(0.979)	1187126	25.0000	24.959
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	498506	25.0000	25.273
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	1040228	25.0000	25.370
*	104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	313747	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	498730	25.0000	25.281
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.038)	431034	25.0000	25.428

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	905525	25.0000	25.224
108 1,2-Dibromo-3-Chloropropane	75	9.176	9.176	(1.114)	11716	25.0000	23.266
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	313994	25.0000	25.746
111 Hexachlorobutadiene	225	9.863	9.863	(1.197)	207066	25.0000	24.365
112 Naphthalene	128	9.968	9.968	(1.210)	393907	25.0000	23.426
113 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.232)	238772	25.0000	25.018
M 115 1,2-Dichloroethene (total)	96				387613	50.0000	50.168
M 116 Xylene (total)	100				2278049	25.0000	77.159

Data File: 22C1028A.D

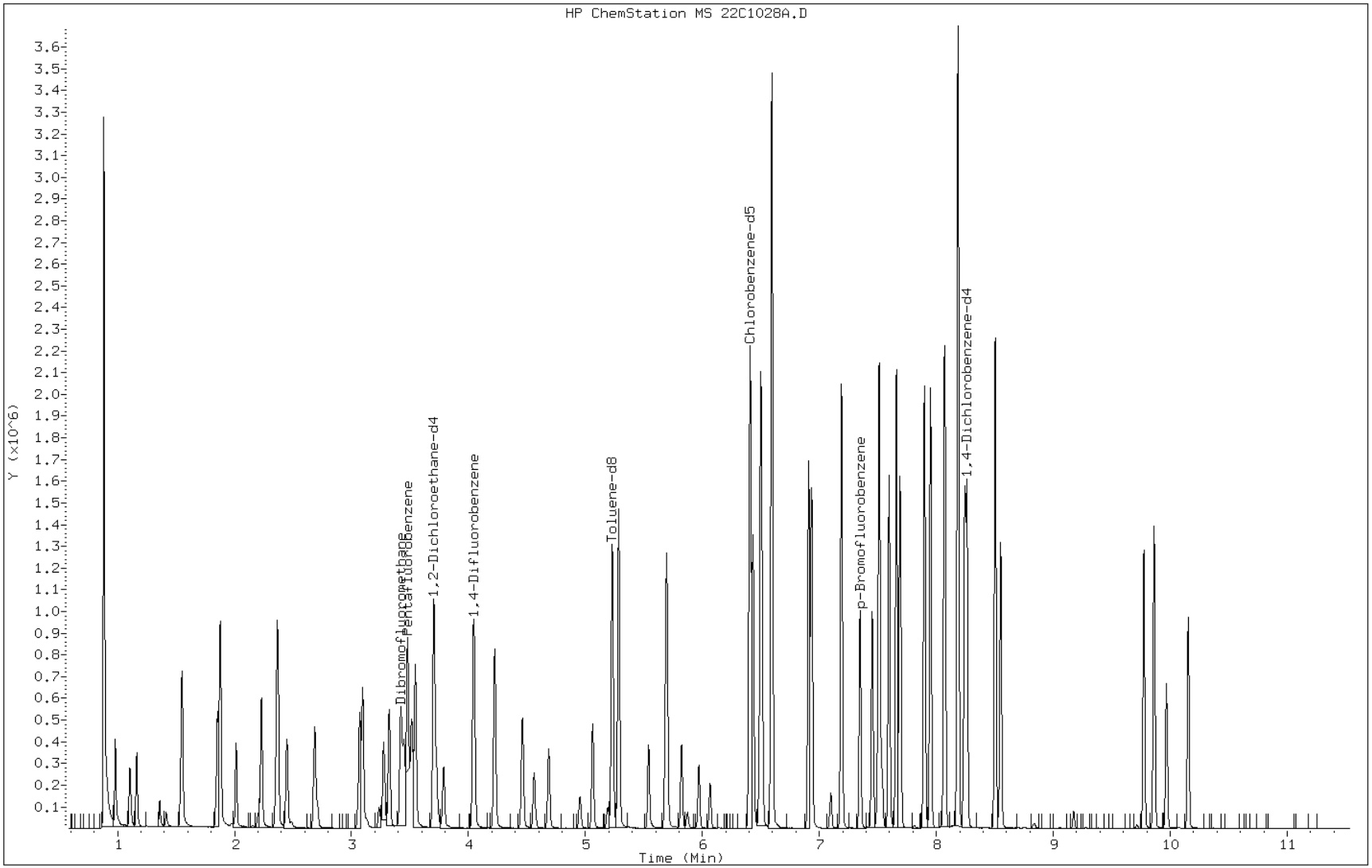
Date: 28-OCT-2010 12:23

Client ID: CCV

Instrument: ms22.i

Sample Info: CCV

Operator: EA



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 500-98526/2 Calibration Date: 10/29/2010 13:01

Instrument ID: MS22 Calib Start Date: 10/27/2010 14:06

GC Column: DB624 ID: 0.20(mm) Calib End Date: 10/27/2010 18:37

Lab File ID: 22C1029.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1	0.3728	0.3417	0.0100	20.5	25.0	-17.9	50.0
Chloromethane	Ave	0.4152	0.3706	0.1000	22.3	25.0	-10.7	50.0
Vinyl chloride	Ave	0.3579	0.3436	0.0100	24.0	25.0	-4.0	20.0
Bromomethane	Ave	0.0771	0.0694	0.0100	22.5	25.0	-10.0	50.0
Chloroethane	Ave	0.1008	0.1483	0.0100	36.8	25.0	47.1	50.0
Trichlorofluoromethane	Ave	0.4851	0.5030	0.0100	25.9	25.0	3.7	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2974	0.3061	0.0100	25.7	25.0	2.9	50.0
Acrolein	Qua	0.0110	0.0111	0.0010	1040	1000	4.1	50.0
1,1-Dichloroethene	Ave	0.2371	0.2476	0.0100	26.1	25.0	4.4	20.0
Acetone	Qua	0.0270	0.0207	0.0100	23.5	25.0	-5.9	50.0
Carbon disulfide	Ave	0.7367	0.6413	0.0100	21.8	25.0	-13.0	50.0
Acetonitrile	Qua	0.0151	0.0112	0.0010	155	200	-22.6	50.0
Methylene Chloride	Ave	0.3463	0.3122	0.0100	22.5	25.0	-9.8	50.0
Methyl tert-butyl ether	Ave	0.5000	0.4758	0.0100	23.8	25.0	-4.8	50.0
trans-1,2-Dichloroethene	Ave	0.3875	0.3744	0.0100	24.2	25.0	-3.4	50.0
Acrylonitrile	Ave	0.0475	0.0430	0.0100	181	200	-9.6	50.0
1,1-Dichloroethane	Ave	0.6424	0.6066	0.1000	23.6	25.0	-5.6	50.0
Vinyl acetate	Lin1	0.2356	0.1886	0.0100	18.2	25.0	-27.2	50.0
2,2-Dichloropropane	Ave	0.4831	0.4730	0.0100	24.5	25.0	-2.1	50.0
cis-1,2-Dichloroethene	Ave	0.4039	0.3985	0.0100	24.7	25.0	-1.3	50.0
2-Butanone (MEK)	Qua	0.0547	0.0448	0.0100	24.5	25.0	-2.1	50.0
Propionitrile	Ave	0.0129	0.0118	0.0010	183	200	-8.3	50.0
Bromochloromethane	Ave	0.1577	0.1654	0.0100	26.2	25.0	4.9	50.0
Tetrahydrofuran	Ave	0.0326	0.0283	0.0100	21.7	25.0	-13.1	50.0
Chloroform	Ave	0.6231	0.6128	0.0100	24.6	25.0	-1.7	20.0
1,1,1-Trichloroethane	Ave	0.5823	0.5711	0.0100	24.5	25.0	-1.9	50.0
Carbon tetrachloride	Lin1	0.3731	0.3778	0.0100	21.9	25.0	-12.5	50.0
1,1-Dichloropropene	Ave	0.5435	0.5258	0.0100	24.2	25.0	-3.3	50.0
Benzene	Ave	1.077	1.044	0.0100	24.2	25.0	-3.1	50.0
1,2-Dichloroethane	Ave	0.2357	0.2311	0.0100	24.5	25.0	-2.0	50.0
Trichloroethene	Ave	0.3482	0.3655	0.0100	26.2	25.0	5.0	50.0
1,2-Dichloropropane	Ave	0.2382	0.2286	0.0100	24.0	25.0	-4.0	20.0
Dibromomethane	Ave	0.0996	0.1024	0.0100	25.7	25.0	2.8	50.0
Bromodichloromethane	Lin1	0.2736	0.2818	0.0100	23.2	25.0	-7.4	50.0
2-Chloroethyl vinyl ether	Ave	0.0792	0.0782	0.0100	24.7	25.0	-1.2	50.0
cis-1,3-Dichloropropene	Lin1	0.2916	0.3118	0.0100	22.8	25.0	-8.7	50.0
4-Methyl-2-pentanone (MIBK)	Qua	0.0783	0.0649	0.0100	23.4	25.0	-6.4	50.0
Toluene	Ave	0.7258	0.7306	0.0100	25.2	25.0	0.7	20.0
trans-1,3-Dichloropropene	Lin1	0.2174	0.2340	0.0100	22.6	25.0	-9.8	50.0
1,1,2-Trichloroethane	Ave	0.2083	0.2130	0.0100	25.6	25.0	2.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 500-98526/2 Calibration Date: 10/29/2010 13:01

Instrument ID: MS22 Calib Start Date: 10/27/2010 14:06

GC Column: DB624 ID: 0.20(mm) Calib End Date: 10/27/2010 18:37

Lab File ID: 22C1029.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.4731	0.4886	0.0100	25.8	25.0	3.3	50.0
1,3-Dichloropropane	Ave	0.2921	0.2982	0.0100	25.5	25.0	2.1	50.0
2-Hexanone	Ave	0.0606	0.0512	0.0100	21.1	25.0	-15.5	50.0
Dibromochloromethane	Lin1	0.2127	0.2293	0.0100	23.0	25.0	-7.9	50.0
1,2-Dibromoethane	Ave	0.1427	0.1552	0.0100	27.2	25.0	8.8	50.0
1-Chlorohexane	Ave	0.6046	0.5975	0.0100	24.7	25.0	-1.2	50.0
Chlorobenzene	Ave	0.9867	1.021	0.3000	25.9	25.0	3.5	50.0
Ethylbenzene	Ave	0.5538	0.5650	0.0100	25.5	25.0	2.0	20.0
1,1,1,2-Tetrachloroethane	Lin1	0.2917	0.3184	0.0100	24.7	25.0	-1.1	50.0
m&p-Xylene	Ave	1.316	1.345	0.0100	51.1	50.0	2.2	50.0
o-Xylene	Ave	1.279	1.332	0.0100	26.0	25.0	4.2	50.0
Styrene	Ave	1.015	1.080	0.0100	26.6	25.0	6.4	50.0
Bromoform	Qua	0.1063	0.1140	0.1000	25.7	25.0	2.6	50.0
Isopropylbenzene	Ave	3.344	3.569	0.0100	26.7	25.0	6.7	50.0
Bromobenzene	Ave	0.7454	0.8202	0.0100	27.5	25.0	10.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.3094	0.3308	0.3000	26.7	25.0	6.9	50.0
N-Propylbenzene	Ave	3.806	3.968	0.0100	26.1	25.0	4.2	50.0
1,2,3-Trichloropropane	Ave	0.0979	0.1075	0.0100	27.4	25.0	9.7	50.0
2-Chlorotoluene	Ave	2.157	2.232	0.0100	25.9	25.0	3.5	50.0
1,3,5-Trimethylbenzene	Ave	2.728	2.947	0.0100	27.0	25.0	8.0	50.0
4-Chlorotoluene	Ave	2.215	2.339	0.0100	26.4	25.0	5.6	50.0
tert-Butylbenzene	Ave	2.544	2.711	0.0100	26.6	25.0	6.6	50.0
1,2,4-Trimethylbenzene	Ave	2.680	2.876	0.0100	26.8	25.0	7.3	50.0
sec-Butylbenzene	Ave	3.790	3.961	0.0100	26.1	25.0	4.5	50.0
1,3-Dichlorobenzene	Ave	1.572	1.695	0.0100	27.0	25.0	7.8	50.0
1,4-Dichlorobenzene	Ave	1.572	1.692	0.0100	26.9	25.0	7.6	50.0
p-Isopropyltoluene	Ave	3.267	3.516	0.0100	26.9	25.0	7.6	50.0
n-Butylbenzene	Ave	2.861	2.972	0.0100	26.0	25.0	3.9	50.0
1,2-Dichlorobenzene	Ave	1.351	1.452	0.0100	26.9	25.0	7.5	50.0
1,2-Dibromo-3-Chloropropane	Qua	0.0365	0.0410	0.0100	25.4	25.0	1.6	50.0
1,2,4-Trichlorobenzene	Ave	0.9718	1.066	0.0100	27.4	25.0	9.7	50.0
Hexachlorobutadiene	Ave	0.6772	0.7092	0.0100	26.2	25.0	4.7	50.0
Naphthalene	Lin1	1.215	1.349	0.0100	25.1	25.0	0.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7605	0.8338	0.0100	27.4	25.0	9.6	50.0
1,2-Dichloroethene, Total	Ave	0.3957	0.3865	0.0100	48.8	50.0	-2.3	50.0
Dibromofluoromethane	Ave	0.3601	0.3455	0.0100	24.0	25.0	-4.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2099	0.1957	0.0100	23.3	25.0	-6.8	50.0
Toluene-d8 (Surr)	Ave	1.130	1.098	0.0100	24.3	25.0	-2.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4613	0.4196	0.0100	22.7	25.0	-9.0	50.0

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102910.b\22C1029.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 29-OCT-2010 13:01
Operator : EA Inst ID: ms22.i
Smp Info : CCV
Misc Info : CCV,1,1,water22.m,102910.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102910.b\water22.m
Meth Date : 29-Oct-2010 13:23 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	0.979	0.979	(0.281)	159225	25.0000	20.533
2 Chloromethane	50	1.101	1.101	(0.316)	172706	25.0000	22.316
3 Vinyl chloride	62	1.160	1.160	(0.334)	160130	25.0000	24.003
5 Bromomethane	94	1.359	1.359	(0.391)	32354	25.0000	22.511
6 Chloroethane	64	1.415	1.415	(0.407)	69085	25.0000	36.766
7 Trichlorofluoromethane	101	1.549	1.549	(0.445)	234396	25.0000	25.919
12 Acrolein	56	1.872	1.872	(0.538)	206473	1000.00	1041.0
13 1,1-Dichloroethene	96	1.880	1.880	(0.540)	115382	25.0000	26.108
14 Trichlorotrifluoroethane	101	1.855	1.855	(0.533)	142627	25.0000	25.726
15 Acetone	43	1.968	1.968	(0.566)	9648	25.0000	23.526
17 Carbon Disulfide	76	2.014	2.014	(0.579)	298853	25.0000	21.762
18 Acetonitrile	41	2.198	2.198	(0.632)	41608	200.000	154.81
22 Methylene chloride	84	2.226	2.226	(0.640)	145504	25.0000	22.541
23 Acrylonitrile	53	2.445	2.445	(0.703)	160151	200.000	180.81
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	174495	25.0000	24.159
25 Methyl-tert-Butyl Ether	73	2.354	2.354	(0.677)	221740	25.0000	23.790
27 1,1-Dichloroethane	63	2.683	2.683	(0.771)	282705	25.0000	23.608
28 Vinyl Acetate	43	2.708	2.708	(0.778)	87883	25.0000	18.200
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	185704	25.0000	24.665
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	220409	25.0000	24.474
33 2-Butanone	43	3.125	3.125	(0.898)	20855	25.0000	24.466
34 Propionitrile	54	3.233	3.233	(0.799)	58936	200.000	183.36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	37 Bromochloromethane	128	3.276	3.276	(0.941)	77077	25.0000	26.216
	39 Tetrahydrofuran	42	3.276	3.276	(0.941)	13200	25.0000	21.735
	40 Chloroform	83	3.321	3.321	(0.954)	285557	25.0000	24.585
$	41 Dibromofluoromethane	113	3.446	3.446	(0.990)	161024	25.0000	23.989
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	266122	25.0000	24.518
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	466015	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	245046	25.0000	24.186
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	235716	25.0000	21.878
$	49 1,2-Dichloroethane-d4	65	3.726	3.726	(0.921)	122094	25.0000	23.310
	50 Benzene	78	3.704	3.704	(0.916)	651224	25.0000	24.235
	51 1,2-Dichloroethane	62	3.786	3.786	(0.936)	144205	25.0000	24.511
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	623930	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.044)	228049	25.0000	26.240
	59 1,2-Dichloropropane	63	4.461	4.461	(1.103)	142627	25.0000	23.990
	60 Dibromomethane	93	4.560	4.560	(1.128)	63882	25.0000	25.691
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	175814	25.0000	23.153
	64 2-Chloroethylvinylether	63	4.951	4.951	(1.224)	48817	25.0000	24.702
	65 cis-1,3-Dichloropropene	75	5.059	5.059	(1.251)	194554	25.0000	22.826
	66 4-Methyl-2-pentanone	43	5.190	5.190	(1.283)	40475	25.0000	23.403
$	67 Toluene-d8	98	5.229	5.229	(1.293)	684995	25.0000	24.291
	68 Toluene	92	5.283	5.283	(1.306)	455819	25.0000	25.165
	69 trans-1,3-Dichloropropene	75	5.538	5.538	(1.369)	146013	25.0000	22.561
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	99274	25.0000	25.573
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	259626	25.0000	25.818
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	158473	25.0000	25.521
	74 2-Hexanone	43	5.870	5.870	(0.916)	27198	25.0000	21.131
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	121858	25.0000	23.022
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	96857	25.0000	27.189
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	531412	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	278446	25.0000	24.706
	80 Chlorobenzene	112	6.432	6.432	(1.004)	542718	25.0000	25.876
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	169220	25.0000	24.727
	82 Ethylbenzene	106	6.497	6.497	(1.014)	300252	25.0000	25.504
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1429665	50.0000	51.112
	84 o-Xylene	91	6.908	6.908	(1.078)	707739	25.0000	26.042
	85 Styrene	104	6.933	6.933	(1.082)	573777	25.0000	26.589
	86 Bromoform	173	7.098	7.098	(1.108)	60560	25.0000	25.656
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	1017107	25.0000	26.686
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	222964	25.0000	22.738
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	94274	25.0000	26.730
	91 Bromobenzene	156	7.452	7.452	(0.904)	233719	25.0000	27.506
	92 1,2,3-Trichloropropane	110	7.535	7.535	(0.914)	30629	25.0000	27.435
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	1130670	25.0000	26.061
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	635996	25.0000	25.869
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	839766	25.0000	27.005
	97 4-Chlorotoluene	91	7.691	7.691	(0.933)	666470	25.0000	26.399
	98 tert-Butylbenzene	119	7.898	7.898	(0.958)	772632	25.0000	26.648
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.964)	819425	25.0000	26.825
	101 sec-Butylbenzene	105	8.071	8.071	(0.979)	1128841	25.0000	26.130
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	482956	25.0000	26.957
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	1001831	25.0000	26.901
*	104 1,4-Dichlorobenzene-d4	152	8.244	8.244	(1.000)	284968	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	482043	25.0000	26.903
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	413866	25.0000	26.881

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
107 n-Butylbenzene	91	8.504	8.504	(1.032)	846799	25.0000	25.970
108 1,2-Dibromo-3-Chloropropane	75	9.174	9.174	(1.113)	11693	25.0000	25.394
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	303721	25.0000	27.419
111 Hexachlorobutadiene	225	9.863	9.863	(1.196)	202101	25.0000	26.182
112 Naphthalene	128	9.968	9.968	(1.209)	384529	25.0000	25.140
113 1,2,3-Trichlorobenzene	180	10.152	10.152	(1.231)	237618	25.0000	27.411
M 115 1,2-Dichloroethene (total)	96				360199	50.0000	48.834
M 116 Xylene (total)	100				2137404	25.0000	78.648

Data File: 22C1029.D

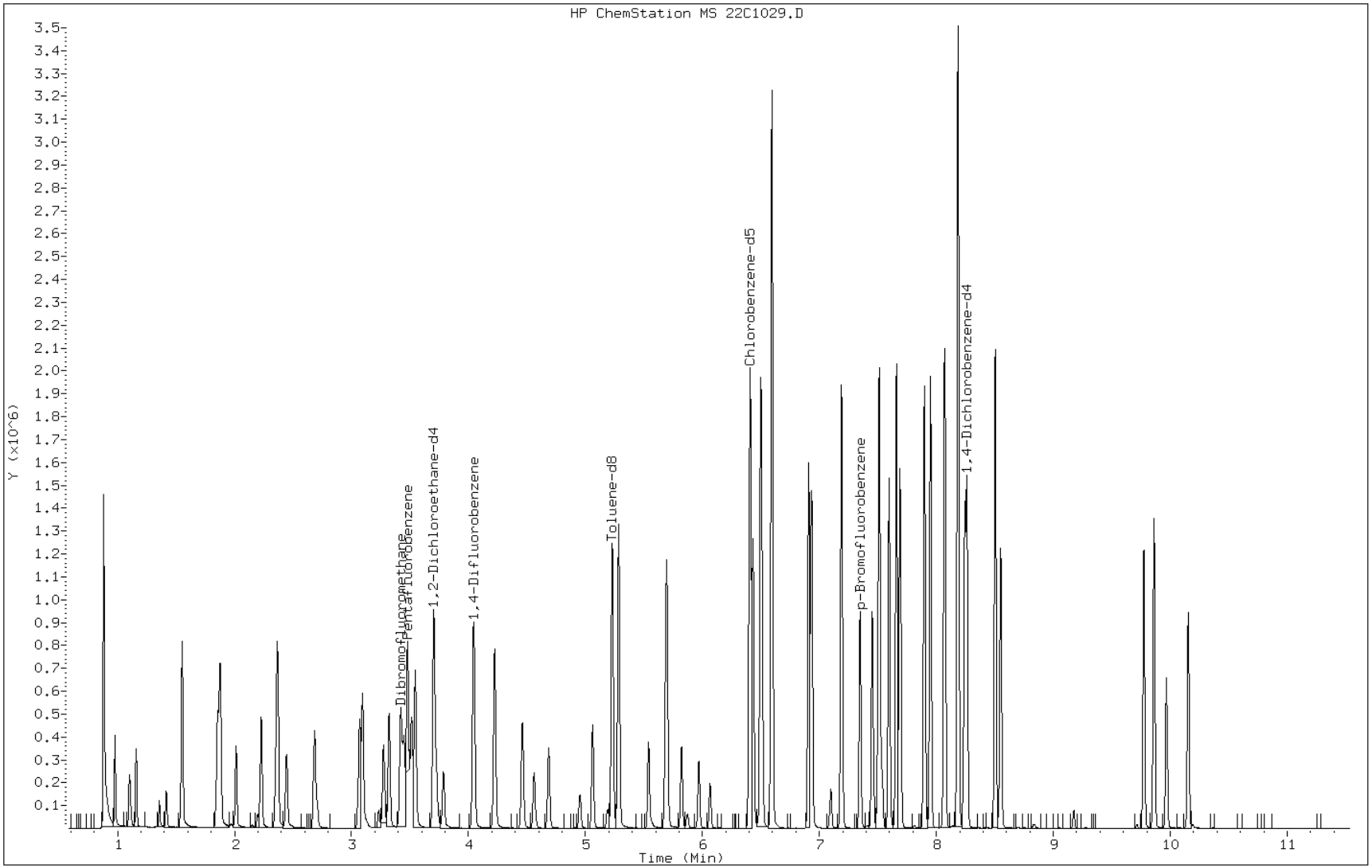
Date: 29-OCT-2010 13:01

Client ID: CCV

Instrument: ms22.i

Sample Info: CCV

Operator: EA



TAL Chicago

6890N GC/ 5973 MSD/ ENCON CONC/ ARCHON

Data file : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22B1027.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-OCT-2010 12:41
Operator : EA Inst ID: ms22.i
Smp Info : BFB
Misc Info : BFB,1,1,bfb22.m,102710.b
Comment   :
Method   : \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\bfb22.m
Meth Date : 01-Apr-2010 18:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

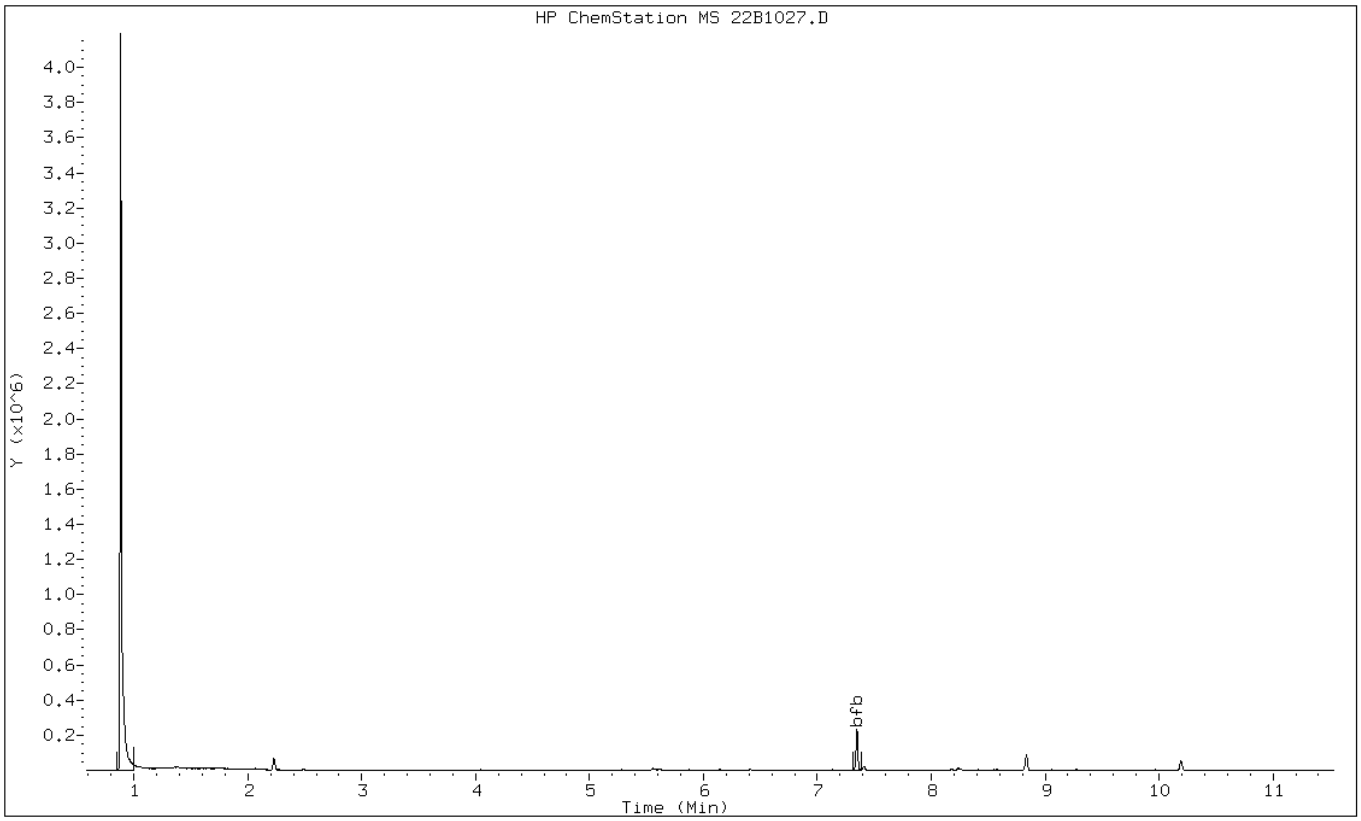
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.347	7.294	0.053	95	45432			100.00- 100.00	100.00
7.347	7.294	0.053	50	7822			15.00- 40.00	17.22
7.347	7.294	0.053	75	20376			30.00- 60.00	44.85
7.347	7.294	0.053	96	3100			5.00- 9.00	6.82
7.347	7.294	0.053	173	0	0.0	0.0	0.00- 2.00	0.00
7.347	7.294	0.053	174	44704			50.00- 99.00	98.40
7.347	7.294	0.053	175	3105			5.00- 9.00	6.95
7.347	7.294	0.053	176	43832			95.00- 101.00	98.05
7.347	7.294	0.053	177	2536			5.00- 9.00	5.79

Data File: 22B1027.D

Date: 27-OCT-2010 12:41

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA



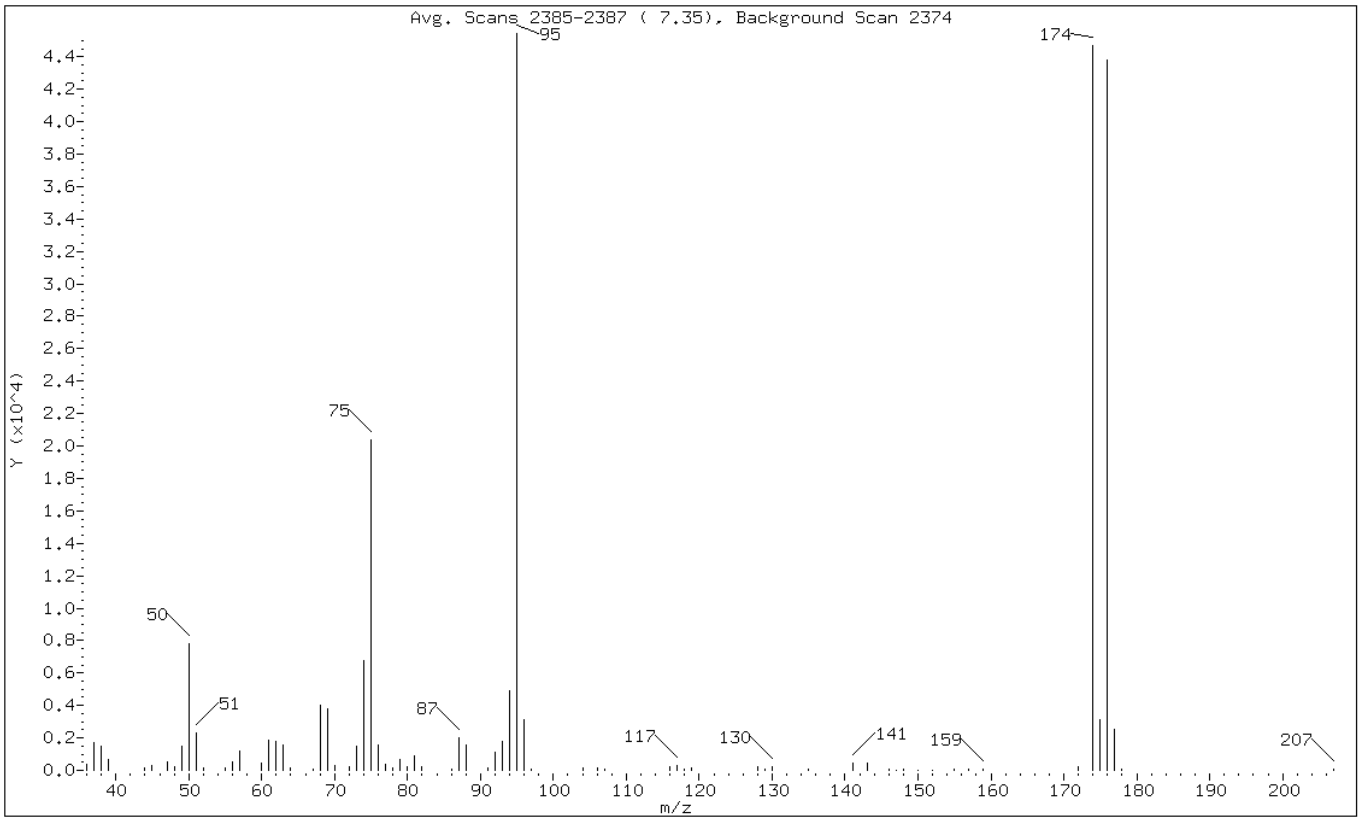
Data File: 22B1027.D

Date: 27-OCT-2010 12:41

Client ID: BFB Instrument: ms22.i

Sample Info: BFB Operator: EA

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.22
75	30.00 - 60.00% of mass 95	44.85
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.00% of mass 95	98.40
175	5.00 - 9.00% of mass 174	6.83 (6.95)
176	95.00 - 101.00% of mass 174	96.48 (98.05)
177	5.00 - 9.00% of mass 176	5.58 (5.79)

Data File: 22B1027.D

Date: 27-OCT-2010 12:41

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA

Data File: \\CHI-MS1\chem\ms22.i\102710_ICALWATER.b\22B1027.D
Spectrum: Avg. Scans 2385-2387 (7.35), Background Scan 2374
Location of Maximum: 95.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	337	64.00	148	91.00	136	143.00	414
37.00	1716	67.00	81	92.00	1121	146.00	43
38.00	1522	68.00	4003	93.00	1807	147.00	33
39.00	645	69.00	3808	94.00	4891	148.00	81
44.00	183	70.00	321	95.00	45432	150.00	33
45.00	326	72.00	228	96.00	3100	152.00	35
47.00	547	73.00	1496	97.00	101	155.00	87
48.00	245	74.00	6763	104.00	180	157.00	55
49.00	1508	75.00	20376	106.00	143	159.00	92
50.00	7822	76.00	1598	107.00	45	172.00	232
51.00	2322	77.00	376	116.00	191	174.00	44704
52.00	174	78.00	135	117.00	285	175.00	3105
55.00	175	79.00	702	118.00	111	176.00	43832
56.00	529	80.00	231	119.00	163	177.00	2536
57.00	1153	81.00	891	128.00	200	178.00	90
60.00	416	82.00	199	129.00	45	207.00	94
61.00	1875	86.00	63	130.00	206		
62.00	1766	87.00	1997	135.00	40		
63.00	1532	88.00	1576	141.00	442		

STL Chicago

6890N GC/ 5973 MSD/ ENCON CONC/ ARCHON

Data file : \\CHI-MS1\CHEM\ms22.i\102810.b\22B1028.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 28-OCT-2010 11:23
Operator : EA Inst ID: ms22.i
Smp Info : BFB
Misc Info : BFB,1,1,bfb22.m,102810.b
Comment :
Method : \\CHI-MS1\CHEM\ms22.i\102810.b\bfb22.m
Meth Date : 01-Apr-2010 18:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CHI-MS-MS02

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

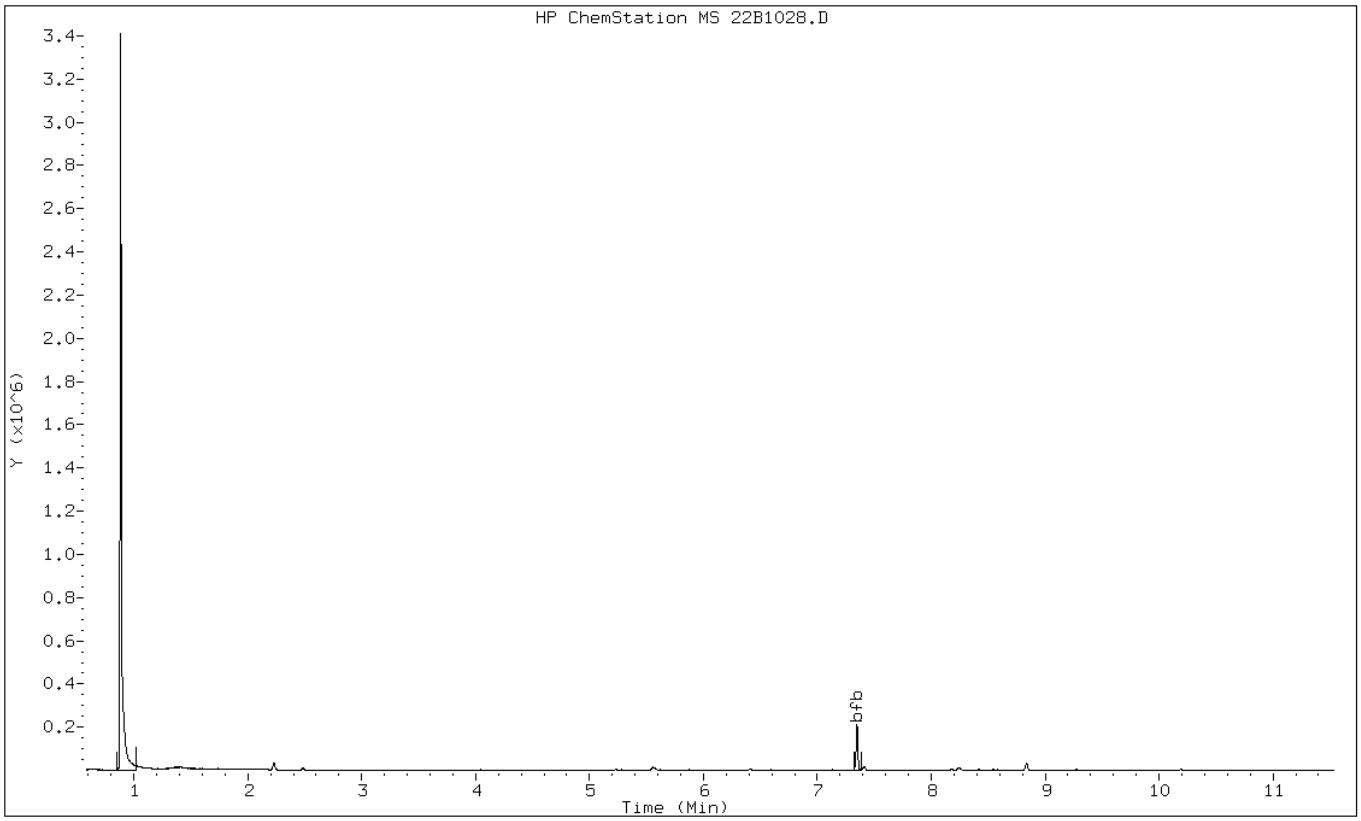
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.347	7.294	0.053	95	46304			100.00- 100.00	100.00
7.347	7.294	0.053	50	7127			15.00- 40.00	15.39
7.347	7.294	0.053	75	18520			30.00- 60.00	40.00
7.347	7.294	0.053	96	3117			5.00- 9.00	6.73
7.347	7.294	0.053	173	0	0.0	0.0	0.00- 2.00	0.00
7.347	7.294	0.053	174	40976			50.00- 99.00	88.49
7.347	7.294	0.053	175	2820			5.00- 9.00	6.88
7.347	7.294	0.053	176	40528			95.00- 101.00	98.91
7.347	7.294	0.053	177	2133			5.00- 9.00	5.26

Data File: 22B1028.D

Date: 28-OCT-2010 11:23

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA



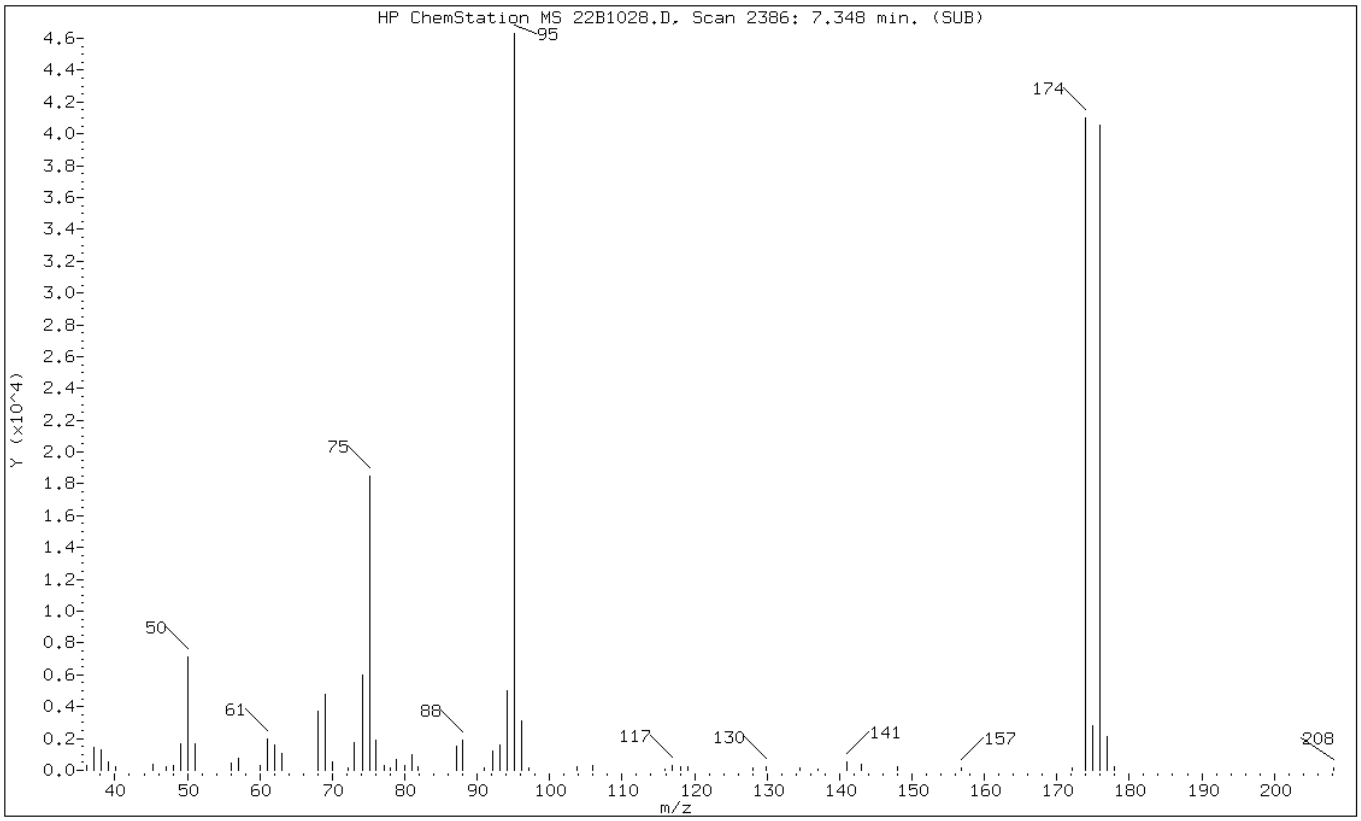
Data File: 22B1028.D

Date: 28-OCT-2010 11:23

Client ID: BFB Instrument: ms22.i

Sample Info: BFB Operator: EA

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.39
75	30.00 - 60.00% of mass 95	40.00
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.00% of mass 95	88.49
175	5.00 - 9.00% of mass 174	6.09 (6.88)
176	95.00 - 101.00% of mass 174	87.53 (98.91)
177	5.00 - 9.00% of mass 176	4.61 (5.26)

Data File: 22B1028.D

Date: 28-OCT-2010 11:23

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA

Data File: \\CHI-MS1\chem\ms22.i\102810.b\22B1028.D
Spectrum: HP ChemStation MS 22B1028.D, Scan 2386: 7.348 min. (SUB)
Location of Maximum: 95.10
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	331	63.10	1067	88.00	1925	134.50	133
37.10	1432	68.10	3717	90.90	155	137.00	100
38.10	1284	69.10	4812	92.20	1202	141.00	527
39.10	522	70.10	546	93.10	1626	143.00	412
40.10	228	72.20	160	94.10	5012	148.00	193
45.20	380	73.00	1772	95.10	46304	156.90	116
47.00	234	74.10	6013	96.10	3117	172.10	158
48.00	340	75.10	18520	97.20	162	174.00	40976
49.10	1657	76.00	1860	103.80	212	175.00	2820
50.10	7127	77.10	311	105.90	273	176.00	40528
51.10	1650	78.00	182	115.90	108	177.00	2133
56.00	436	78.90	689	116.90	274	178.00	195
57.10	780	80.00	319	118.10	239	208.20	115
60.10	335	81.00	971	119.00	251		
61.10	2006	81.80	258	128.00	133		
62.10	1625	87.10	1481	129.90	208		

TAL Chicago

6890N GC/ 5973 MSD/ ENCON CONC/ ARCHON

Data file : \\CHI-MS1\chem\ms22.i\102910.b\22B1029.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 29-OCT-2010 12:37
Operator : EA Inst ID: ms22.i
Smp Info : BFB
Misc Info : BFB,1,1,bfb22.m,102910.b
Comment :
Method : \\CHI-MS1\chem\ms22.i\102910.b\bfb22.m
Meth Date : 01-Apr-2010 18:42 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

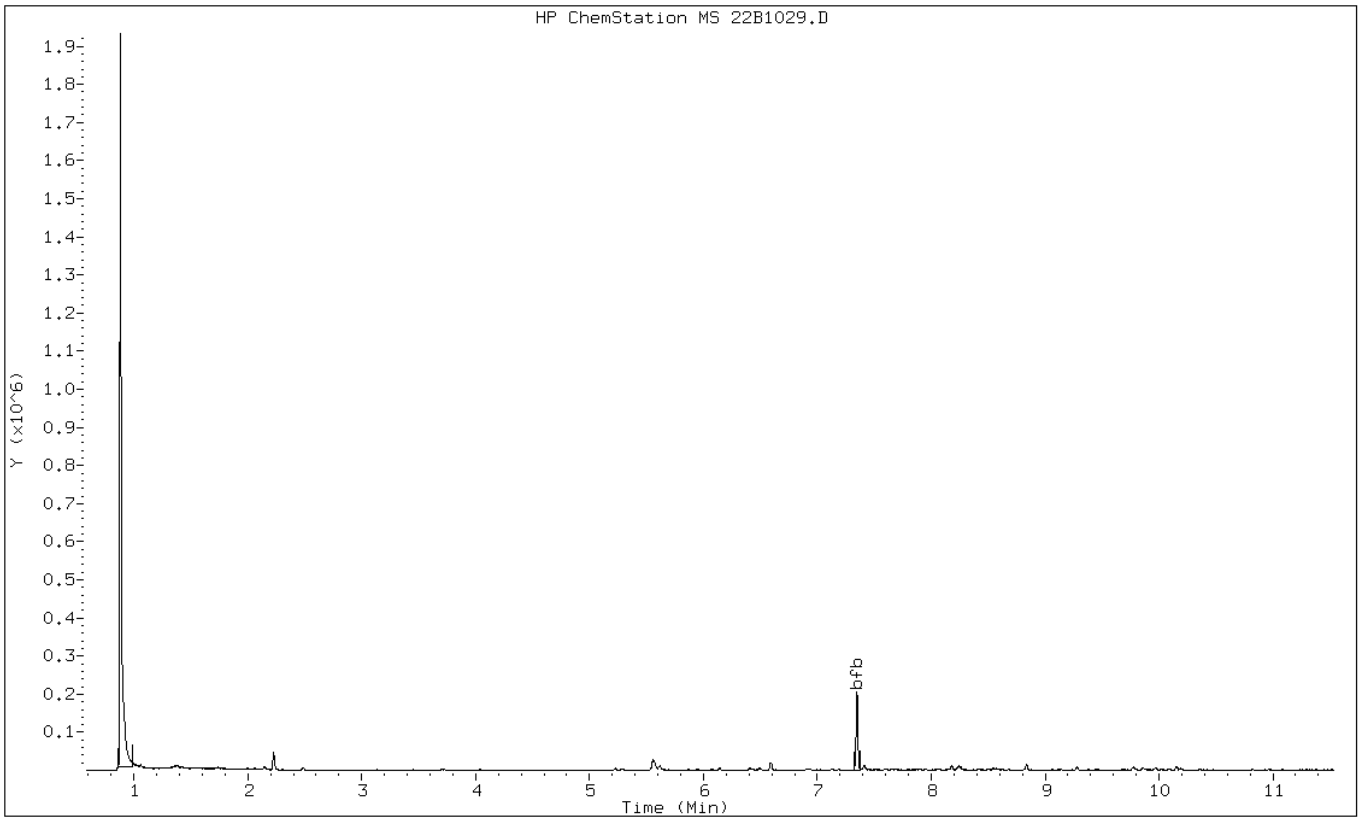
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.348	7.294	0.054	95	40712			100.00- 100.00	100.00
7.348	7.294	0.054	50	6539			15.00- 40.00	16.06
7.348	7.294	0.054	75	17304			30.00- 60.00	42.50
7.348	7.294	0.054	96	2650			5.00- 9.00	6.51
7.348	7.294	0.054	173	0	0.0	0.0	0.00- 2.00	0.00
7.348	7.294	0.054	174	39776			50.00- 99.00	97.70
7.348	7.294	0.054	175	3006			5.00- 9.00	7.56
7.348	7.294	0.054	176	38856			95.00- 101.00	97.69
7.348	7.294	0.054	177	2699			5.00- 9.00	6.95

Data File: 22B1029.D

Date: 29-OCT-2010 12:37

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA



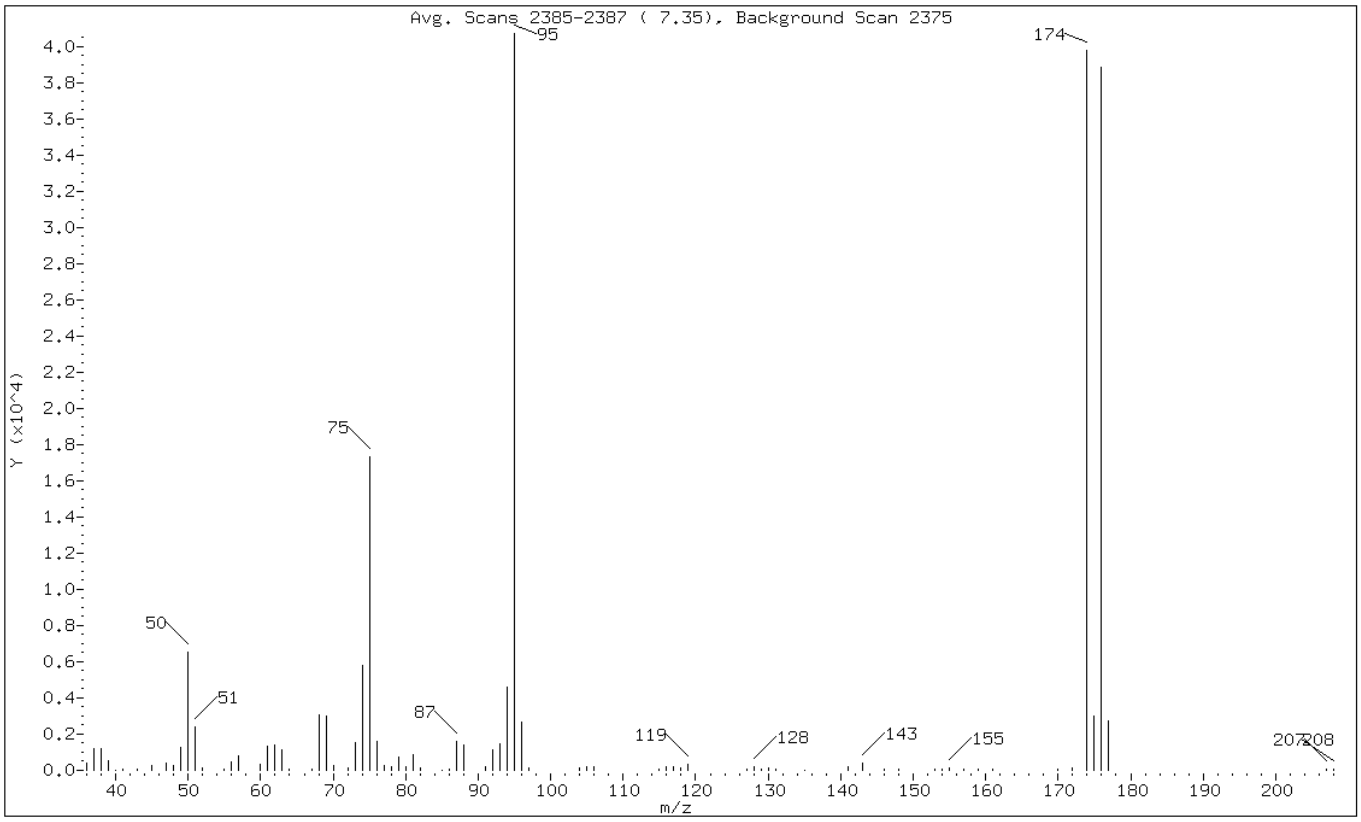
Data File: 22B1029.D

Date: 29-OCT-2010 12:37

Client ID: BFB Instrument: ms22.i

Sample Info: BFB Operator: EA

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.06
75	30.00 - 60.00% of mass 95	42.50
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.00% of mass 95	97.70
175	5.00 - 9.00% of mass 174	7.38 (7.56)
176	95.00 - 101.00% of mass 174	95.44 (97.69)
177	5.00 - 9.00% of mass 176	6.63 (6.95)

Data File: 22B1029.D

Date: 29-OCT-2010 12:37

Client ID: BFB | Instrument: ms22.i

Sample Info: BFB | Operator: EA

Data File: \\CHI-MS1\chem\ms22.i\102910.b\22B1029.D
Spectrum: Avg. Scans 2385-2387 (7.35), Background Scan 2375
Location of Maximum: 95.00
Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	370	64.00	51	92.00	1143	143.00	395
37.00	1198	67.00	93	93.00	1482	146.00	38
38.00	1214	68.00	3088	94.00	4602	148.00	38
39.00	530	69.00	2968	95.00	40712	153.00	34
40.00	12	70.00	237	96.00	2650	154.00	39
41.00	47	72.00	136	97.00	154	155.00	160
43.00	52	73.00	1517	104.00	157	157.00	79
45.00	246	74.00	5792	105.00	207	159.00	90
47.00	376	75.00	17304	106.00	195	161.00	54
48.00	241	76.00	1613	115.00	54	170.00	40
49.00	1260	77.00	267	116.00	180	172.00	111
50.00	6539	78.00	197	117.00	214	174.00	39776
51.00	2388	79.00	710	118.00	129	175.00	3006
52.00	105	80.00	204	119.00	349	176.00	38856
55.00	46	81.00	857	127.00	44	177.00	2699
56.00	468	82.00	128	128.00	172	207.00	76
57.00	780	85.00	33	129.00	38	208.00	36
60.00	311	86.00	34	130.00	113		
61.00	1365	87.00	1600	131.00	89		
62.00	1425	88.00	1414	135.00	33		
63.00	1101	91.00	169	141.00	227		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-98381/3

Matrix: Water | Lab File ID: 22M1028.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 12:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.24	U	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-129
2037-26-5	Toluene-d8 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-115
1868-53-7	Dibromofluoromethane	93		80-124

STL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\CHEM\ms22.i\102810.b\22M1028.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 28-OCT-2010 12:54
Operator : EA Inst ID: ms22.i
Smp Info : MB
Misc Info : MB,1,1,water22.m,102810.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\CHEM\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-MS02

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	157645	23.3630	23.363
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	468453	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	132591	24.7697	24.770
* 55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	637653	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.292)	682992	23.6988	23.699
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	542228	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	227557	22.7439	22.744
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	284258	25.0000	

Data File: 22M1028.D

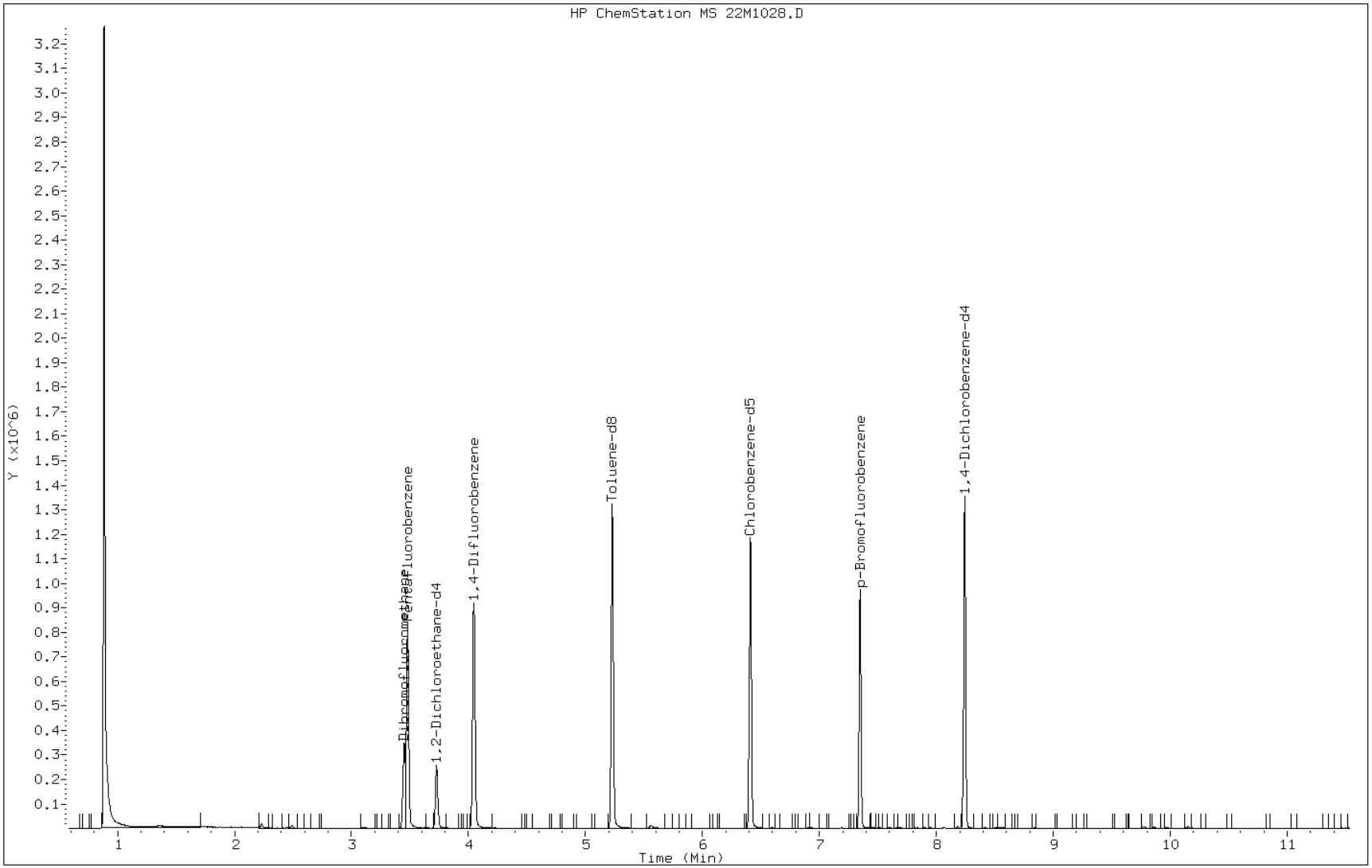
Date: 28-OCT-2010 12:54

Client ID: MB

Instrument: ms22.i

Sample Info: MB

Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 500-98526/3
Matrix: Water
Lab File ID: 22M1029.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 10(mL)
Date Analyzed: 10/29/2010 13:47
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98526
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.17	U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.27	U	1.0	0.27
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
79-01-6	Trichloroethene	0.24	U	1.0	0.24
127-18-4	Tetrachloroethene	0.22	U	1.0	0.22
108-88-3	Toluene	0.19	U	1.0	0.19
75-01-4	Vinyl chloride	0.20	U	1.0	0.20
1330-20-7	Xylenes, Total	0.32	U	2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-129
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-115
1868-53-7	Dibromofluoromethane	100		80-124

STL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\CHEM\ms22.i\102910.b\22M1029.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 29-OCT-2010 13:47
Operator : EA Inst ID: ms22.i
Smp Info : MB
Misc Info : MB,1,1,water22.m,102910.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\CHEM\ms22.i\102910.b\water22.m
Meth Date : 29-Oct-2010 13:23 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-MS02

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 41 Dibromofluoromethane	113	3.449	3.446	(0.991)	149274	24.9346	24.935
* 43 Pentafluorobenzene	168	3.480	3.480	(1.000)	415620	25.0000	
$ 49 1,2-Dichloroethane-d4	65	3.726	3.726	(0.921)	120587	25.3512	25.351
* 55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	566620	25.0000	
$ 67 Toluene-d8	98	5.229	5.229	(1.293)	680521	26.5733	26.573
* 78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	494241	25.0000	
$ 89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	222847	24.4357	24.436
* 104 1,4-Dichlorobenzene-d4	152	8.241	8.244	(1.000)	261822	25.0000	

Data File: 22M1029.D

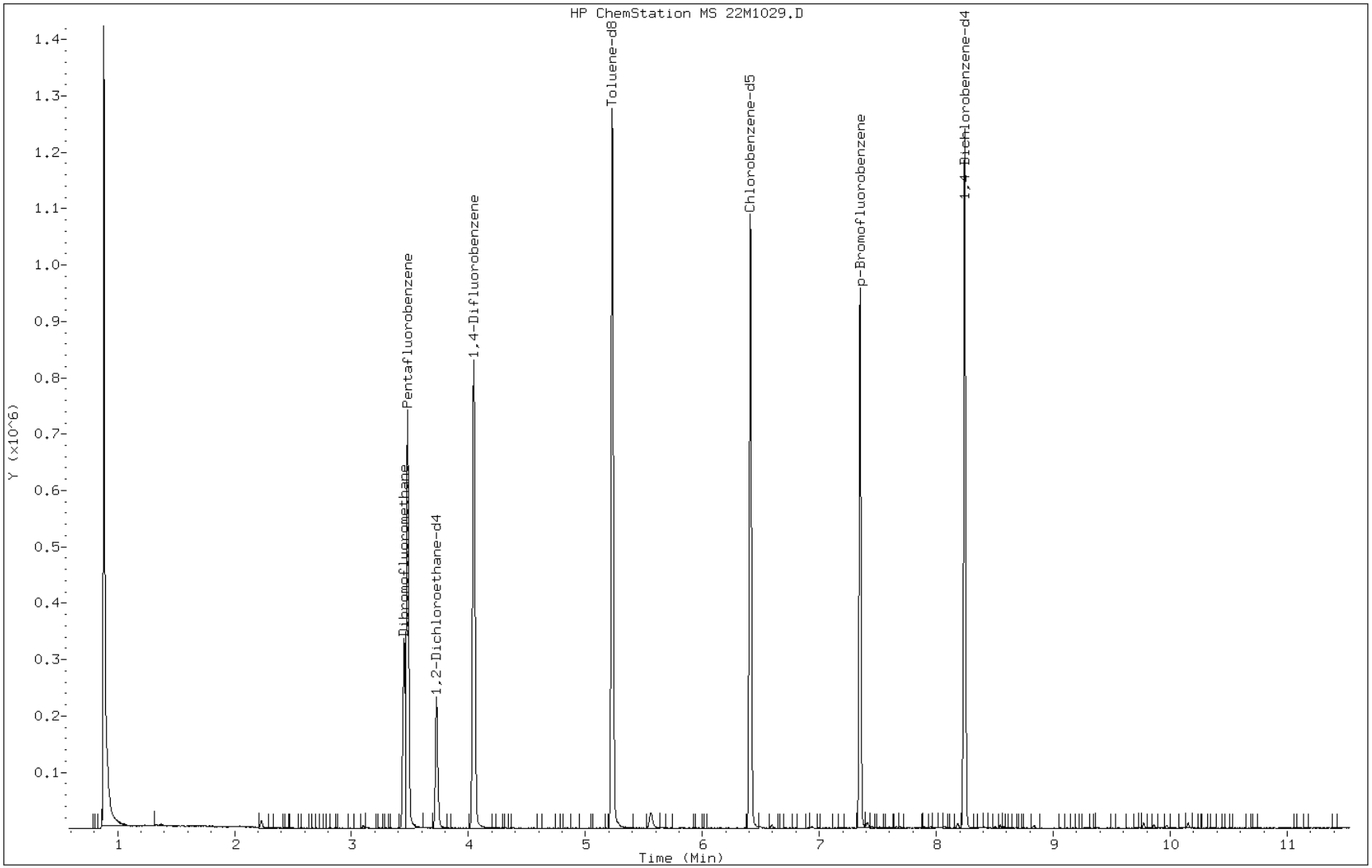
Date: 29-OCT-2010 13:47

Client ID: MB

Instrument: ms22.i

Sample Info: MB

Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 500-98381/4
Matrix: Water
Lab File ID: 22S1028.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 10(mL)
Date Analyzed: 10/28/2010 13:17
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98381
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	24.6		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	24.5		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.27
100-41-4	Ethylbenzene	25.3		1.0	0.18
79-01-6	Trichloroethene	25.4		1.0	0.24
127-18-4	Tetrachloroethene	24.8		1.0	0.22
108-88-3	Toluene	25.6		1.0	0.19
75-01-4	Vinyl chloride	24.6		1.0	0.20
1330-20-7	Xylenes, Total	76.6		2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-129
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-115
1868-53-7	Dibromofluoromethane	101		80-124

STL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\CHEM\ms22.i\102810.b\22S1028.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 28-OCT-2010 13:17
Operator : EA Inst ID: ms22.i
Smp Info : LCS
Misc Info : LCS,1,1,water22.m,102810A.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\CHEM\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-MS02

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	0.981	0.982	(0.282)	162502	21.7313	21.731
2 Chloromethane	50	1.103	1.104	(0.317)	168672	22.6362	22.636
3 Vinyl chloride	62	1.163	1.163	(0.334)	157715	24.5541	24.554
5 Bromomethane	94	1.359	1.362	(0.391)	37151	26.8475	26.847
6 Chloroethane	64	1.415	1.415	(0.407)	25626	14.1646	14.165
7 Trichlorofluoromethane	101	1.546	1.546	(0.444)	220094	25.2777	25.278
12 Acrolein	56	1.875	1.875	(0.539)	168273	888.388	888.39
13 1,1-Dichloroethene	96	1.880	1.880	(0.540)	99633	23.4154	23.415
14 Trichlorotrifluoroethane	101	1.855	1.852	(0.533)	105847	19.8290	19.829
15 Acetone	43	1.977	1.974	(0.568)	12612	32.4010	32.401
17 Carbon Disulfide	76	2.011	2.014	(0.578)	216320	16.3605	16.360
18 Acetonitrile	41	2.201	2.204	(0.633)	47743	182.826	182.82
22 Methylene chloride	84	2.229	2.229	(0.641)	155483	25.0168	25.017
23 Acrylonitrile	53	2.447	2.448	(0.703)	155511	182.352	182.35
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	170141	24.4658	24.466
25 Methyl-tert-Butyl Ether	73	2.357	2.360	(0.677)	217479	24.2344	24.234
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	271639	23.5604	23.560
28 Vinyl Acetate	43	2.708	2.708	(0.778)	115440	24.6428	24.643
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	172596	23.8095	23.809
32 2,2-Dichloropropane	77	3.068	3.069	(0.882)	203066	23.4196	23.420
33 2-Butanone	43	3.128	3.128	(0.899)	24168	29.3388	29.339
34 Propionitrile	54	3.236	3.236	(0.800)	61760	194.054	194.05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	37 Bromochloromethane	128	3.275	3.273	(0.941)	68941	24.3545	24.354
	39 Tetrahydrofuran	42	3.278	3.281	(0.942)	13404	22.9230	22.923
	40 Chloroform	83	3.324	3.321	(0.955)	277538	24.8177	24.818
$	41 Dibromofluoromethane	113	3.448	3.449	(0.991)	163762	25.3388	25.339
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	253505	24.2581	24.258
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	448686	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	235697	24.1614	24.161
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	221251	20.7568	20.757
$	49 1,2-Dichloroethane-d4	65	3.726	3.729	(0.921)	129392	24.9496	24.950
	50 Benzene	78	3.704	3.704	(0.916)	654909	24.6147	24.615
	51 1,2-Dichloroethane	62	3.789	3.789	(0.937)	150019	25.7530	25.753
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	617780	25.0000	
	57 Trichloroethene	130	4.225	4.223	(1.045)	218971	25.4459	25.446
	59 1,2-Dichloropropane	63	4.461	4.458	(1.103)	145821	24.7713	24.771
	60 Dibromomethane	93	4.563	4.560	(1.128)	63276	25.7007	25.701
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	164756	21.9417	21.942
	64 2-Chloroethylvinylether	63	4.954	4.951	(1.225)	48756	24.9170	24.917
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.252)	189313	22.4383	22.438
	66 4-Methyl-2-pentanone	43	5.192	5.190	(1.284)	52629	30.1668	30.167
$	67 Toluene-d8	98	5.229	5.229	(1.293)	687752	24.6317	24.632
	68 Toluene	92	5.283	5.283	(1.306)	459288	25.6089	25.609
	69 trans-1,3-Dichloropropene	75	5.538	5.541	(1.369)	127101	19.8821	19.882
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	97868	26.1844	26.184
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	249965	24.7879	24.788
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	161683	25.9656	25.966
	74 2-Hexanone	43	5.873	5.870	(0.916)	35003	27.1193	27.119
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	108243	20.4810	20.481
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	94124	26.6853	26.685
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	532903	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	265635	24.4795	24.480
	80 Chlorobenzene	112	6.431	6.432	(1.004)	525948	25.0064	25.006
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	154798	22.5999	22.600
	82 Ethylbenzene	106	6.497	6.497	(1.014)	298924	25.3201	25.320
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1427203	50.8816	50.882
	84 o-Xylene	91	6.908	6.908	(1.078)	699964	25.6840	25.684
	85 Styrene	104	6.933	6.933	(1.082)	561288	25.9371	25.937
	86 Bromoform	173	7.098	7.095	(1.108)	52451	22.5103	22.510
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	866591	21.9806	21.980
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	235490	23.9487	23.949
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	91525	25.0881	25.088
	91 Bromobenzene	156	7.452	7.452	(0.904)	227500	25.8834	25.883
	92 1,2,3-Trichloropropane	110	7.534	7.535	(0.914)	29431	25.4854	25.485
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	1112204	24.7826	24.783
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	631489	24.8317	24.832
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	830417	25.8160	25.816
	97 4-Chlorotoluene	91	7.690	7.691	(0.933)	648276	24.8243	24.824
	98 tert-Butylbenzene	119	7.897	7.898	(0.958)	756354	25.2193	25.219
	100 1,2,4-Trimethylbenzene	105	7.948	7.949	(0.964)	810763	25.6591	25.659
	101 sec-Butylbenzene	105	8.070	8.071	(0.979)	1118263	25.0246	25.024
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	474376	25.5976	25.598
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	944682	24.5229	24.523
*	104 1,4-Dichlorobenzene-d4	152	8.243	8.241	(1.000)	294770	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	473809	25.5641	25.564
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	406195	25.5058	25.506

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
107 n-Butylbenzene	91	8.501	8.504	(1.031)	865041	25.6472	25.647
108 1,2-Dibromo-3-Chloropropane	75	9.176	9.176	(1.113)	10789	22.8370	22.837
110 1,2,4-Trichlorobenzene	180	9.775	9.775	(1.186)	290144	25.3224	25.322
111 Hexachlorobutadiene	225	9.862	9.863	(1.196)	197469	24.7315	24.731
112 Naphthalene	128	9.967	9.968	(1.209)	389763	24.6450	24.645
113 1,2,3-Trichlorobenzene	180	10.152	10.155	(1.231)	238667	26.6168	26.617
M 115 1,2-Dichloroethene (total)	96				342737	48.2616	48.262
M 116 Xylene (total)	100				2127167	78.0527	78.053

Data File: 22S1028.D

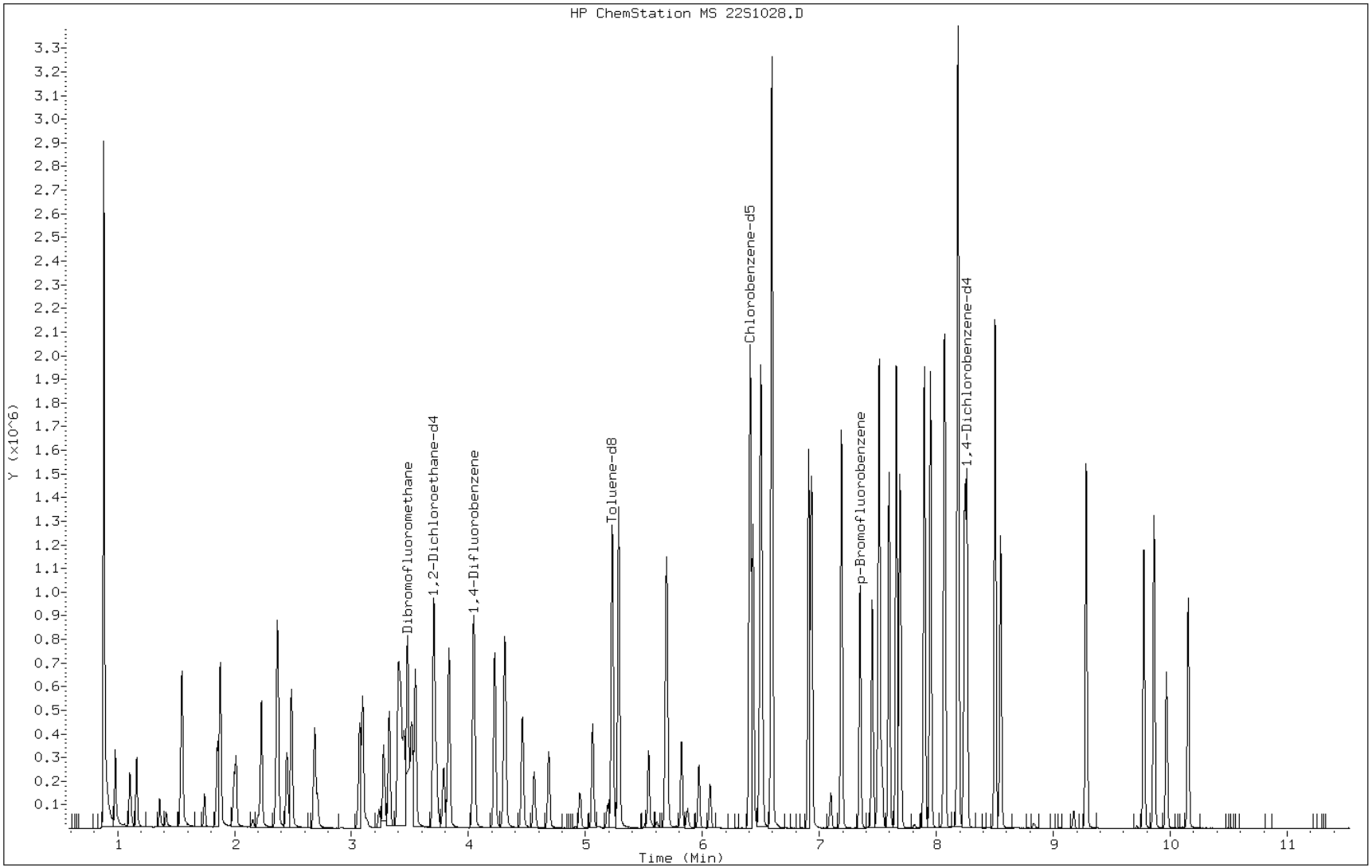
Date: 28-OCT-2010 13:17

Client ID: LCS

Instrument: ms22.i

Sample Info: LCS

Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 500-98526/4
Matrix: Water
Lab File ID: 22S1029.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 10(mL)
Date Analyzed: 10/29/2010 14:10
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98526
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.5		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	22.8		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.27
100-41-4	Ethylbenzene	24.6		1.0	0.18
79-01-6	Trichloroethene	24.9		1.0	0.24
127-18-4	Tetrachloroethene	24.6		1.0	0.22
108-88-3	Toluene	24.7		1.0	0.19
75-01-4	Vinyl chloride	24.1		1.0	0.20
1330-20-7	Xylenes, Total	74.0		2.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-129
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-115
1868-53-7	Dibromofluoromethane	104		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102910.b\22S1029.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 29-OCT-2010 14:10
Operator : EA Inst ID: ms22.i
Smp Info : LCS
Misc Info : LCS,1,1,water22.m,102910.b
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102910.b\water22.m
Meth Date : 29-Oct-2010 14:33 alikpalae Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	0.979	0.979	(0.281)	142901	20.4983	20.498
2 Chloromethane	50	1.101	1.101	(0.316)	144291	20.7374	20.737
3 Vinyl chloride	62	1.160	1.160	(0.333)	144467	24.0865	24.086
5 Bromomethane	94	1.356	1.359	(0.390)	29613	22.9176	22.918
6 Chloroethane	64	1.412	1.415	(0.406)	25060	14.8340	14.834
7 Trichlorofluoromethane	101	1.543	1.549	(0.443)	205270	25.2469	25.247
12 Acrolein	56	1.872	1.872	(0.538)	185237	1038.95	1038.9
13 1,1-Dichloroethene	96	1.877	1.881	(0.540)	86681	21.8160	21.816
14 Trichlorotrifluoroethane	101	1.852	1.855	(0.532)	85298	17.1126	17.112
15 Acetone	43	1.974	1.971	(0.567)	9557	26.0860	26.086
17 Carbon Disulfide	76	2.011	2.014	(0.578)	183904	14.8951	14.895
18 Acetonitrile	41	2.201	2.198	(0.633)	40855	168.319	168.32
22 Methylene chloride	84	2.226	2.229	(0.640)	123625	21.3015	21.301
23 Acrylonitrile	53	2.445	2.448	(0.703)	137334	172.457	172.46
24 trans-1,2-Dichloroethene	96	2.368	2.368	(0.681)	147957	22.7845	22.784
25 Methyl-tert-Butyl Ether	73	2.357	2.357	(0.677)	177551	21.1881	21.188
27 1,1-Dichloroethane	63	2.683	2.686	(0.771)	235109	21.8380	21.838
28 Vinyl Acetate	43	2.708	2.708	(0.778)	95647	21.9232	21.923
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	147479	21.7873	21.787
32 2,2-Dichloropropane	77	3.068	3.069	(0.882)	175369	21.6595	21.660
33 2-Butanone	43	3.128	3.131	(0.899)	18999	24.7877	24.788
34 Propionitrile	54	3.233	3.230	(0.799)	55233	192.915	192.91

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	37 Bromochloromethane	128	3.275	3.276	(0.941)	58914	22.2881	22.288
	39 Tetrahydrofuran	42	3.281	3.278	(0.943)	10375	19.0011	19.001
	40 Chloroform	83	3.321	3.324	(0.954)	237576	22.7507	22.751
$	41 Dibromofluoromethane	113	3.448	3.449	(0.991)	157128	26.0363	26.036
	42 1,1,1-Trichloroethane	97	3.420	3.423	(0.983)	221370	22.6852	22.685
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	418976	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	199439	21.8943	21.894
	47 Carbon tetrachloride	117	3.514	3.514	(0.869)	198812	20.7337	20.734
$	49 1,2-Dichloroethane-d4	65	3.726	3.726	(0.921)	120543	25.8375	25.837
	50 Benzene	78	3.704	3.704	(0.916)	561475	23.4582	23.458
	51 1,2-Dichloroethane	62	3.786	3.789	(0.936)	125519	23.9520	23.952
*	55 1,4-Difluorobenzene	114	4.044	4.044	(1.000)	555754	25.0000	
	57 Trichloroethene	130	4.223	4.223	(1.044)	192860	24.9129	24.913
	59 1,2-Dichloropropane	63	4.461	4.461	(1.103)	124492	23.5083	23.508
	60 Dibromomethane	93	4.560	4.560	(1.128)	55497	25.0568	25.057
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	144508	21.4065	21.406
	64 2-Chloroethylvinylether	63	4.951	4.954	(1.224)	38553	21.9017	21.902
	65 cis-1,3-Dichloropropene	75	5.062	5.059	(1.252)	162356	21.4075	21.407
	66 4-Methyl-2-pentanone	43	5.189	5.190	(1.283)	41841	26.9023	26.902
$	67 Toluene-d8	98	5.229	5.229	(1.293)	674715	26.8617	26.862
	68 Toluene	92	5.283	5.283	(1.306)	398458	24.6968	24.697
	69 trans-1,3-Dichloropropene	75	5.541	5.538	(1.370)	110772	19.2740	19.274
	71 1,1,2-Trichloroethane	97	5.683	5.686	(1.633)	83500	23.9245	23.924
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	222221	24.5755	24.576
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	134246	24.0432	24.043
	74 2-Hexanone	43	5.870	5.873	(0.916)	27134	23.4447	23.445
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	97397	20.5494	20.549
	76 1,2-Dibromoethane	107	6.066	6.066	(1.500)	80879	25.4893	25.489
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	477848	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	228622	22.5626	22.563
	80 Chlorobenzene	112	6.431	6.434	(1.004)	459005	24.3380	24.338
	81 1,1,1,2-Tetrachloroethane	131	6.511	6.508	(1.016)	139424	22.6984	22.698
	82 Ethylbenzene	106	6.497	6.497	(1.014)	260349	24.5934	24.593
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1233618	49.0471	49.047
	84 o-Xylene	91	6.908	6.908	(1.078)	609420	24.9380	24.938
	85 Styrene	104	6.933	6.933	(1.082)	486102	25.0508	25.051
	86 Bromoform	173	7.098	7.095	(1.108)	47517	22.7170	22.717
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	747762	21.5751	21.575
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	227841	25.8404	25.840
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	77835	24.2698	24.270
	91 Bromobenzene	156	7.452	7.452	(0.904)	200030	25.8880	25.888
	92 1,2,3-Trichloropropane	110	7.534	7.535	(0.914)	26228	25.8354	25.835
	94 n-Propylbenzene	91	7.512	7.512	(0.912)	951730	24.1235	24.124
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	545915	24.4191	24.419
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	713238	25.2227	25.223
	97 4-Chlorotoluene	91	7.690	7.691	(0.933)	549309	23.9276	23.928
	98 tert-Butylbenzene	119	7.897	7.898	(0.958)	667290	25.3096	25.310
	100 1,2,4-Trimethylbenzene	105	7.948	7.949	(0.965)	696921	25.0897	25.090
	101 sec-Butylbenzene	105	8.070	8.071	(0.979)	963781	24.5338	24.534
	102 1,3-Dichlorobenzene	146	8.181	8.184	(0.993)	409380	25.1285	25.128
	103 p-Isopropyltoluene	119	8.184	8.187	(0.993)	823831	24.3269	24.327
*	104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	259131	25.0000	
	105 1,4-Dichlorobenzene	146	8.181	8.184	(0.993)	408884	25.0952	25.095
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.038)	356010	25.4291	25.429

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
107 n-Butylbenzene	91	8.501	8.502	(1.032)	729614	24.6071	24.607
108 1,2-Dibromo-3-Chloropropane	75	9.176	9.174	(1.114)	9344	22.5221	22.522
110 1,2,4-Trichlorobenzene	180	9.772	9.775	(1.186)	252711	25.0888	25.089
111 Hexachlorobutadiene	225	9.862	9.860	(1.197)	176375	25.1277	25.128
112 Naphthalene	128	9.967	9.968	(1.210)	331006	23.8252	23.825
113 1,2,3-Trichlorobenzene	180	10.152	10.155	(1.232)	207248	26.2916	26.292
M 115 1,2-Dichloroethene (total)	96				295436	44.5510	44.551
M 116 Xylene (total)	100				1843038	75.4187	75.419

Data File: 22S1029.D

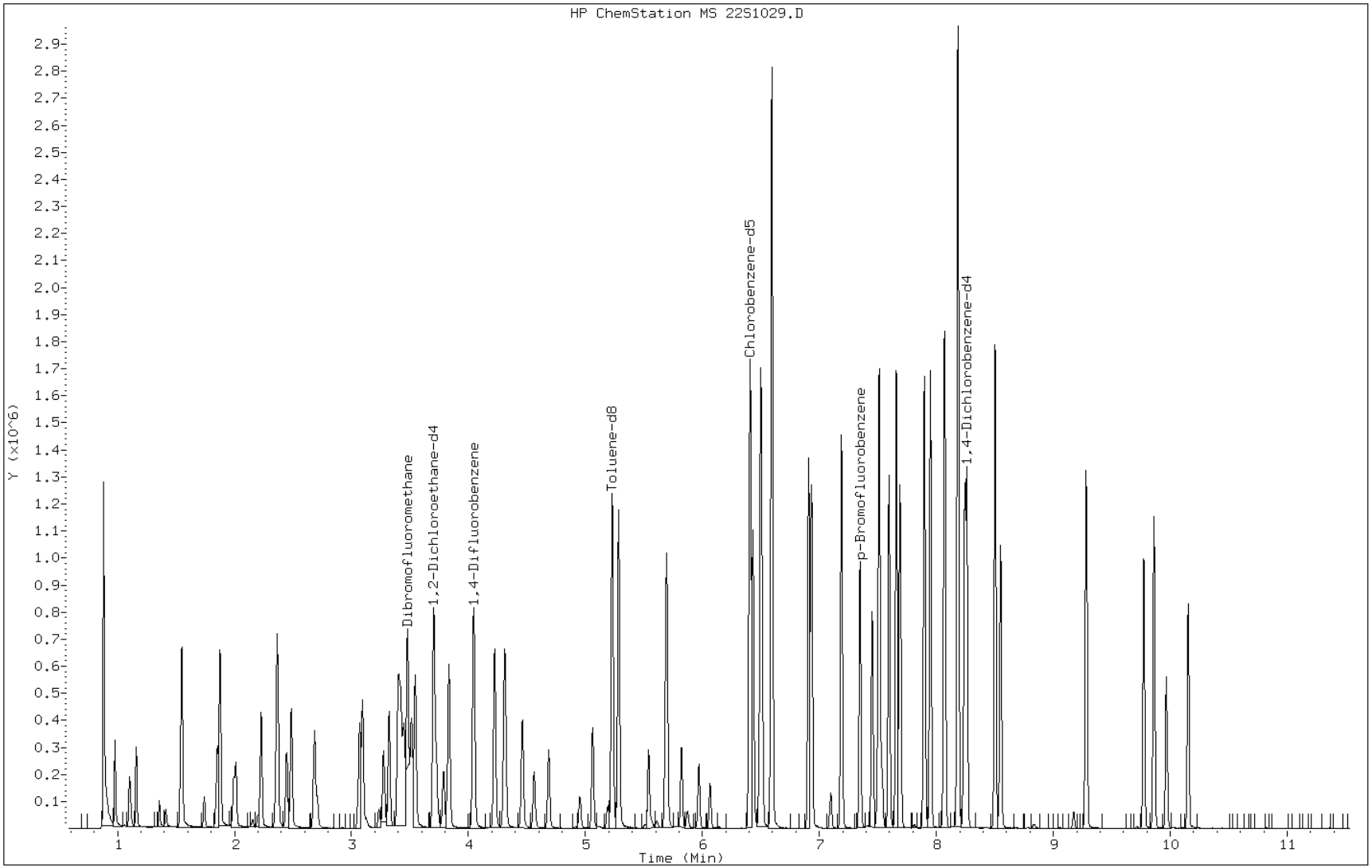
Date: 29-OCT-2010 14:10

Client ID: LCS

Instrument: ms22.i

Sample Info: LCS

Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: OLD-MW-4 MS | Lab Sample ID: 500-28652-6 MS

Matrix: Water | Lab File ID: 28652-06S.D

Analysis Method: 8260B | Date Collected: 10/18/2010 18:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 19:58

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	461		20	3.4
156-60-5	trans-1,2-Dichloroethene	498		20	6.4
156-59-2	cis-1,2-Dichloroethene	1080		20	5.4
100-41-4	Ethylbenzene	473		20	3.6
79-01-6	Trichloroethene	4990		20	4.8
127-18-4	Tetrachloroethene	477		20	4.4
108-88-3	Toluene	484		20	3.8
75-01-4	Vinyl chloride	484		20	4.0
1330-20-7	Xylenes, Total	1440		40	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-129
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-115
1868-53-7	Dibromofluoromethane	102		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-06S.D
Lab Smp Id: 500-28652-A-6 MS Client Smp ID: OLD-MW-4 MS
Inj Date : 28-OCT-2010 19:58
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-A-6 MS
Misc Info : 500-28652-A-6 MS
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 1 QC Sample: MS
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	0.979	0.982	(0.281)	162574	21.5726	431.45
2 Chloromethane	50	1.104	1.104	(0.317)	159550	21.2421	424.84
3 Vinyl chloride	62	1.160	1.163	(0.334)	156819	24.2208	484.42
5 Bromomethane	94	1.362	1.362	(0.391)	35677	25.5776	511.55
6 Chloroethane	64	1.421	1.415	(0.408)	71667	39.2991	785.98(R)
7 Trichlorofluoromethane	101	1.554	1.546	(0.447)	236487	26.9448	538.90
13 1,1-Dichloroethene	96	1.883	1.880	(0.541)	98352	22.9309	458.62
14 Trichlorotrifluoroethane	101	1.858	1.852	(0.534)	99306	18.4560	369.12
15 Acetone	43	1.971	1.974	(0.567)	9981	25.1876	503.75
17 Carbon Disulfide	76	2.014	2.014	(0.579)	205650	15.4300	308.60
22 Methylene chloride	84	2.229	2.229	(0.641)	130232	20.7877	415.75
24 trans-1,2-Dichloroethene	96	2.371	2.368	(0.681)	174424	24.8826	497.65
25 Methyl-tert-Butyl Ether	73	2.357	2.360	(0.677)	192885	21.3232	426.46
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	261643	22.5133	450.26
28 Vinyl Acetate	43	2.708	2.708	(0.778)	108737	23.0612	461.22
31 cis-1,2-Dichloroethene	96	3.094	3.094	(0.889)	396369	54.2447	1084.9(R)
32 2,2-Dichloropropane	77	3.069	3.069	(0.882)	185055	21.1730	423.46
33 2-Butanone	43	3.125	3.128	(0.898)	22512	27.1687	543.37
37 Bromochloromethane	128	3.276	3.273	(0.941)	66110	23.1690	463.38
39 Tetrahydrofuran	42	3.278	3.281	(0.942)	12293	20.8561	417.12
40 Chloroform	83	3.321	3.321	(0.954)	266763	23.6649	473.30
$ 41 Dibromofluoromethane	113	3.449	3.449	(0.991)	166114	25.4987	25.499

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	42 1,1,1-Trichloroethane	97	3.423	3.423	(0.984)	251556	23.8805	477.61
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	452276	25.0000	
	46 1,1-Dichloropropene	75	3.545	3.545	(1.019)	223419	22.7210	454.42
	47 Carbon tetrachloride	117	3.514	3.514	(0.868)	220347	20.6576	413.15
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	134205	25.8577	25.858
	50 Benzene	78	3.704	3.704	(0.915)	613804	23.0520	461.04
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	144161	24.7283	494.56
*	55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	618257	25.0000	
	57 Trichloroethene	130	4.226	4.223	(1.044)	2149316	249.572	4991.4(AR)
	59 1,2-Dichloropropane	63	4.461	4.458	(1.102)	134623	22.8514	457.03
	60 Dibromomethane	93	4.563	4.560	(1.127)	60581	24.5871	491.74
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	164659	21.9126	438.25
	65 cis-1,3-Dichloropropene	75	5.059	5.062	(1.250)	179847	21.3179	426.36
	66 4-Methyl-2-pentanone	43	5.192	5.190	(1.283)	43597	25.3079	506.16
$	67 Toluene-d8	98	5.229	5.229	(1.292)	698795	25.0079	25.008
	68 Toluene	92	5.283	5.283	(1.305)	434010	24.1808	483.62
	69 trans-1,3-Dichloropropene	75	5.538	5.541	(1.369)	119103	18.6417	372.83
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	91710	24.3421	486.84
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	240172	23.8259	476.52
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	145627	23.3961	467.92
	74 2-Hexanone	43	5.873	5.870	(0.916)	29204	22.6351	452.70
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	109692	20.7526	415.05
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	90379	25.6037	512.07
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	532697	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	249533	22.8131	456.26
	80 Chlorobenzene	112	6.432	6.432	(1.004)	490628	23.3361	466.72
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	153761	22.4603	449.20
	82 Ethylbenzene	106	6.497	6.497	(1.014)	278807	23.6252	472.50
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1336109	47.6524	953.05
	84 o-Xylene	91	6.908	6.908	(1.078)	658712	24.1796	483.59
	85 Styrene	104	6.933	6.933	(1.082)	522413	24.1501	483.00
	86 Bromoform	173	7.095	7.095	(1.107)	54017	23.1166	462.33
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	805514	21.1522	423.04
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	231830	23.5856	23.586
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	83121	23.5882	471.76
	91 Bromobenzene	156	7.452	7.452	(0.904)	212906	25.0775	501.55
	92 1,2,3-Trichloropropane	110	7.535	7.535	(0.914)	27782	24.9061	498.12
	94 n-Propylbenzene	91	7.512	7.512	(0.912)	1034453	23.8633	477.26
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	585999	23.8558	477.12
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	771032	24.8154	496.31
	97 4-Chlorotoluene	91	7.691	7.691	(0.933)	585917	23.2279	464.56
	98 tert-Butylbenzene	119	7.898	7.898	(0.958)	711028	24.5443	490.88
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.965)	747677	24.4973	489.94
	101 sec-Butylbenzene	105	8.071	8.071	(0.979)	1043465	24.1745	483.49
	102 1,3-Dichlorobenzene	146	8.181	8.184	(0.993)	432770	24.1763	483.52
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	875489	23.5284	470.57
*	104 1,4-Dichlorobenzene-d4	152	8.241	8.241	(1.000)	284726	25.0000	
	105 1,4-Dichlorobenzene	146	8.181	8.184	(0.993)	433453	24.2117	484.23
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.038)	375712	24.4239	488.48
	107 n-Butylbenzene	91	8.502	8.504	(1.032)	783618	24.0527	481.05
	108 1,2-Dibromo-3-Chloropropane	75	9.174	9.176	(1.113)	10137	22.2568	445.14
	110 1,2,4-Trichlorobenzene	180	9.772	9.775	(1.186)	259588	23.4548	469.10
	111 Hexachlorobutadiene	225	9.860	9.863	(1.196)	185926	24.1072	482.14
	112 Naphthalene	128	9.968	9.968	(1.210)	348563	22.8543	457.09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
113 1,2,3-Trichlorobenzene	180	10.152	10.155	(1.232)	216568	25.0042	500.08
M 115 1,2-Dichloroethene (total)	96				570793	79.7368	1594.7(R)
M 116 Xylene (total)	100				1994821	73.2248	1464.5

QC Flag Legend

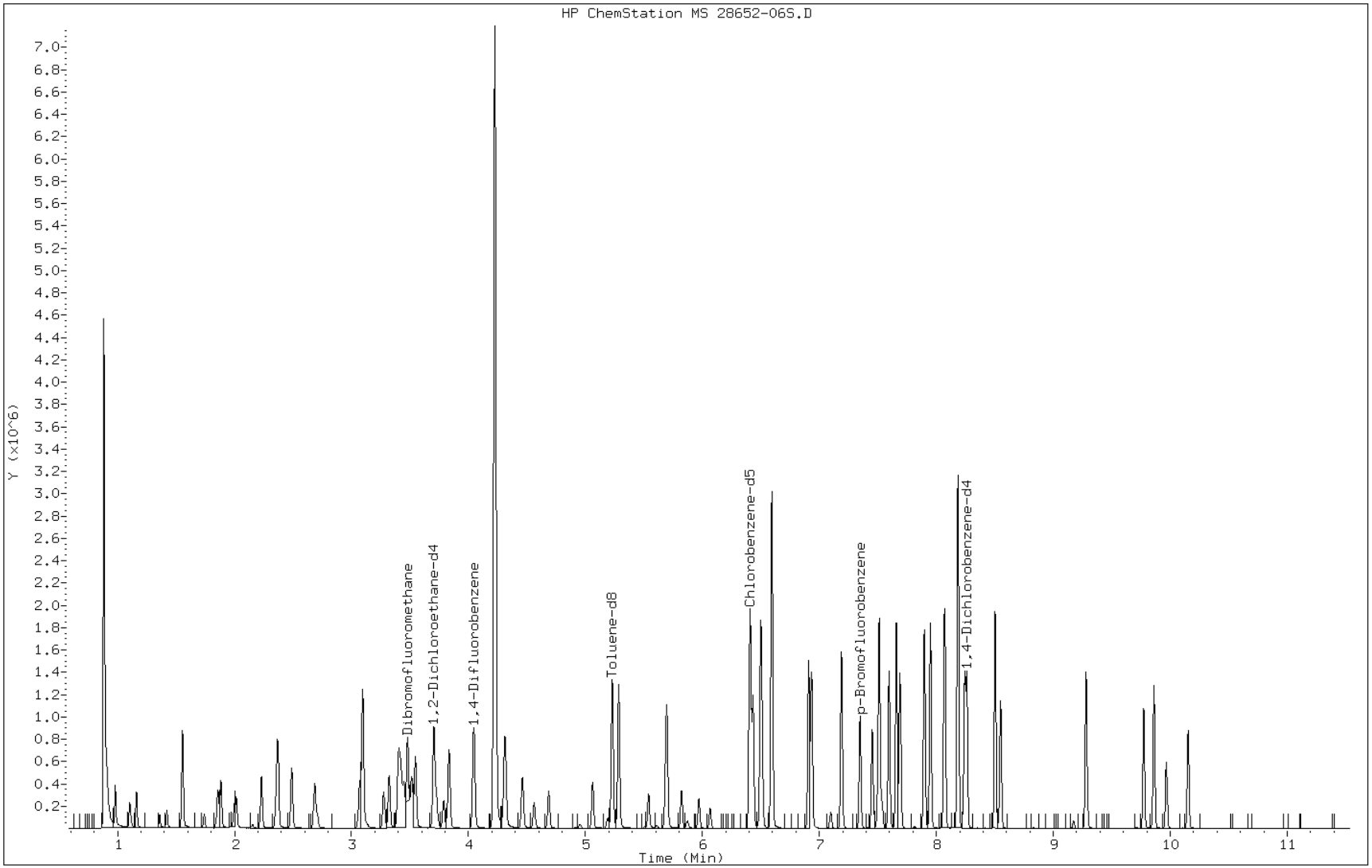
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 28652-06S.D

Date: 28-OCT-2010 19:58

Client ID: OLD-MW-4 MS Instrument: ms22.i

Sample Info: 500-28652-A-6 MS Operator: EA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-28652-1

SDG No.:

Client Sample ID: OLD-MW-4 MSD | Lab Sample ID: 500-28652-6 MSD

Matrix: Water | Lab File ID: 28652-06T.D

Analysis Method: 8260B | Date Collected: 10/18/2010 18:00

Sample wt/vol: 10(mL) | Date Analyzed: 10/28/2010 20:21

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 98381 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	461		20	3.4
156-60-5	trans-1,2-Dichloroethene	490		20	6.4
156-59-2	cis-1,2-Dichloroethene	1110		20	5.4
100-41-4	Ethylbenzene	473		20	3.6
79-01-6	Trichloroethene	5370		20	4.8
127-18-4	Tetrachloroethene	474		20	4.4
108-88-3	Toluene	487		20	3.8
75-01-4	Vinyl chloride	484		20	4.0
1330-20-7	Xylenes, Total	1440		40	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-129
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-115
1868-53-7	Dibromofluoromethane	99		80-124

TAL Chicago

VOA REPORT SW846 8260B WATERS

Data file : \\CHI-MS1\chem\ms22.i\102810.b\28652-06T.D
Lab Smp Id: 500-28652-A-6 MSD Client Smp ID: OLD-MW-4 MSD
Inj Date : 28-OCT-2010 20:21
Operator : EA Inst ID: ms22.i
Smp Info : 500-28652-A-6MSD
Misc Info : 500-28652-A-6 MSD
Comment : HP 6890 /5973 MSD/ ENCON CONC/ARCHON
Method : \\CHI-MS1\chem\ms22.i\102810.b\water22.m
Meth Date : 28-Oct-2010 12:38 drabekd Quant Type: ISTD
Cal Date : 27-OCT-2010 14:52 Cal File: 22I1027C.D
Als bottle: 23 QC Sample: MSD
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: ICAL1.sub
Target Version: 4.14
Processing Host: CHI-MS-OFF1A

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	10.000	ng unit correction factor
Vo	10.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	0.981	0.982	(0.282)	151767	20.9119	418.24
2 Chloromethane	50	1.103	1.104	(0.317)	149352	20.6302	412.60
3 Vinyl chloride	62	1.160	1.163	(0.333)	150916	24.1834	483.67
5 Bromomethane	94	1.361	1.362	(0.391)	36452	27.1135	542.27
6 Chloroethane	64	1.424	1.415	(0.409)	69629	39.6137	792.27(R)
7 Trichlorofluoromethane	101	1.554	1.546	(0.447)	224964	26.5933	531.87
13 1,1-Dichloroethene	96	1.883	1.880	(0.541)	95528	23.1079	462.16
14 Trichlorotrifluoroethane	101	1.858	1.852	(0.534)	93342	17.9983	359.96
15 Acetone	43	1.971	1.974	(0.567)	8807	22.9137	458.27
17 Carbon Disulfide	76	2.016	2.014	(0.580)	199455	15.5265	310.53
22 Methylene chloride	84	2.229	2.229	(0.641)	128065	21.2085	424.17
24 trans-1,2-Dichloroethene	96	2.371	2.368	(0.681)	165594	24.5090	490.18
25 Methyl-tert-Butyl Ether	73	2.360	2.360	(0.678)	180870	20.7449	414.90
27 1,1-Dichloroethane	63	2.686	2.686	(0.772)	247189	22.0674	441.35
28 Vinyl Acetate	43	2.708	2.708	(0.778)	101455	22.3403	446.81
31 cis-1,2-Dichloroethene	96	3.097	3.094	(0.890)	392280	55.6988	1114.0(R)
32 2,2-Dichloropropane	77	3.071	3.069	(0.883)	180443	21.4197	428.39
33 2-Butanone	43	3.125	3.128	(0.898)	20166	25.2817	505.63
37 Bromochloromethane	128	3.273	3.273	(0.941)	61703	22.4357	448.71
39 Tetrahydrofuran	42	3.275	3.281	(0.941)	11887	20.9238	418.48
40 Chloroform	83	3.324	3.321	(0.955)	253262	23.3099	466.20
$ 41 Dibromofluoromethane	113	3.448	3.449	(0.991)	156168	24.8711	24.871

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	42 1,1,1-Trichloroethane	97	3.426	3.423	(0.985)	238369	23.4774	469.55
*	43 Pentafluorobenzene	168	3.480	3.480	(1.000)	435925	25.0000	
	46 1,1-Dichloropropene	75	3.548	3.545	(1.020)	210196	22.1781	443.56
	47 Carbon tetrachloride	117	3.514	3.514	(0.868)	212540	21.0451	420.90
$	49 1,2-Dichloroethane-d4	65	3.729	3.729	(0.922)	124724	25.3886	25.389
	50 Benzene	78	3.704	3.704	(0.915)	580727	23.0419	460.84
	51 1,2-Dichloroethane	62	3.789	3.789	(0.936)	136543	24.7448	494.90
*	55 1,4-Difluorobenzene	114	4.047	4.044	(1.000)	585196	25.0000	
	57 Trichloroethene	130	4.225	4.223	(1.044)	2188726	268.507	5370.1(AR)
	59 1,2-Dichloropropane	63	4.461	4.458	(1.102)	129024	23.1383	462.77
	60 Dibromomethane	93	4.563	4.560	(1.127)	57562	24.6816	493.63
	62 Bromodichloromethane	83	4.685	4.685	(1.158)	154851	21.7751	435.50
	65 cis-1,3-Dichloropropene	75	5.062	5.062	(1.251)	168453	21.0991	421.98
	66 4-Methyl-2-pentanone	43	5.189	5.190	(1.282)	41927	25.6868	513.74
$	67 Toluene-d8	98	5.229	5.229	(1.292)	651278	24.6241	24.624
	68 Toluene	92	5.283	5.283	(1.305)	413377	24.3324	486.65
	69 trans-1,3-Dichloropropene	75	5.538	5.541	(1.369)	113053	18.6933	373.86
	71 1,1,2-Trichloroethane	97	5.683	5.683	(1.633)	86232	23.7466	474.93
	72 Tetrachloroethene	166	5.697	5.697	(0.889)	226618	23.7103	474.21
	73 1,3-Dichloropropane	76	5.822	5.822	(0.908)	139422	23.6237	472.47
	74 2-Hexanone	43	5.873	5.870	(0.916)	28208	23.0584	461.17
	75 Dibromochloromethane	129	5.969	5.969	(0.931)	103463	20.6482	412.96
	76 1,2-Dibromoethane	107	6.066	6.066	(1.499)	83330	24.9405	498.81
*	78 Chlorobenzene-d5	117	6.409	6.409	(1.000)	505085	25.0000	
	79 1-Chlorohexane	91	6.403	6.403	(1.840)	231040	21.9147	438.29
	80 Chlorobenzene	112	6.431	6.432	(1.004)	472140	23.6844	473.69
	81 1,1,1,2-Tetrachloroethane	131	6.508	6.508	(1.015)	147399	22.7026	454.05
	82 Ethylbenzene	106	6.497	6.497	(1.014)	264462	23.6348	472.70
	83 p,m-Xylene	91	6.593	6.593	(1.029)	1269954	47.7690	955.38
	84 o-Xylene	91	6.908	6.908	(1.078)	621956	24.0785	481.57
	85 Styrene	104	6.933	6.933	(1.082)	497039	24.2332	484.66
	86 Bromoform	173	7.095	7.095	(1.107)	50215	22.7128	454.26
	87 Isopropylbenzene	105	7.189	7.189	(0.872)	764171	21.0655	421.31
$	89 p-Bromofluorobenzene	95	7.347	7.347	(1.146)	217934	23.3839	23.384
	90 1,1,2,2-Tetrachloroethane	83	7.498	7.498	(0.910)	79936	23.8136	476.27
	91 Bromobenzene	156	7.452	7.452	(0.904)	201826	24.9558	499.12
	92 1,2,3-Trichloropropane	110	7.535	7.535	(0.914)	25835	24.3137	486.27
	94 n-Propylbenzene	91	7.512	7.512	(0.911)	977860	23.6807	473.61
	95 2-Chlorotoluene	91	7.597	7.597	(0.922)	560171	23.9396	478.79
	96 1,3,5-Trimethylbenzene	105	7.659	7.659	(0.929)	730944	24.6963	493.93
	97 4-Chlorotoluene	91	7.690	7.691	(0.933)	570189	23.7297	474.59
	98 tert-Butylbenzene	119	7.897	7.898	(0.958)	670500	24.2975	485.95
	100 1,2,4-Trimethylbenzene	105	7.949	7.949	(0.964)	718287	24.7059	494.12
	101 sec-Butylbenzene	105	8.070	8.071	(0.979)	985272	23.9626	479.25
	102 1,3-Dichlorobenzene	146	8.184	8.184	(0.993)	414623	24.3156	486.31
	103 p-Isopropyltoluene	119	8.187	8.187	(0.993)	829508	23.4024	468.05
*	104 1,4-Dichlorobenzene-d4	152	8.243	8.241	(1.000)	271224	25.0000	
	105 1,4-Dichlorobenzene	146	8.184	8.184	(0.993)	414621	24.3127	486.25
	106 1,2-Dichlorobenzene	146	8.550	8.550	(1.037)	358007	24.4316	488.63
	107 n-Butylbenzene	91	8.501	8.504	(1.031)	747343	24.0812	481.62
	108 1,2-Dibromo-3-Chloropropane	75	9.176	9.176	(1.113)	9908	22.7959	455.92
	110 1,2,4-Trichlorobenzene	180	9.772	9.775	(1.185)	251000	23.8079	476.16
	111 Hexachlorobutadiene	225	9.863	9.863	(1.196)	174133	23.7021	474.04
	112 Naphthalene	128	9.967	9.968	(1.209)	334439	23.0162	460.32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
113 1,2,3-Trichlorobenzene	180	10.152	10.155	(1.231)	207960	25.2056	504.11
M 115 1,2-Dichloroethene (total)	96				557874	80.8552	1617.1(R)
M 116 Xylene (total)	100				1891910	73.2437	1464.9

QC Flag Legend

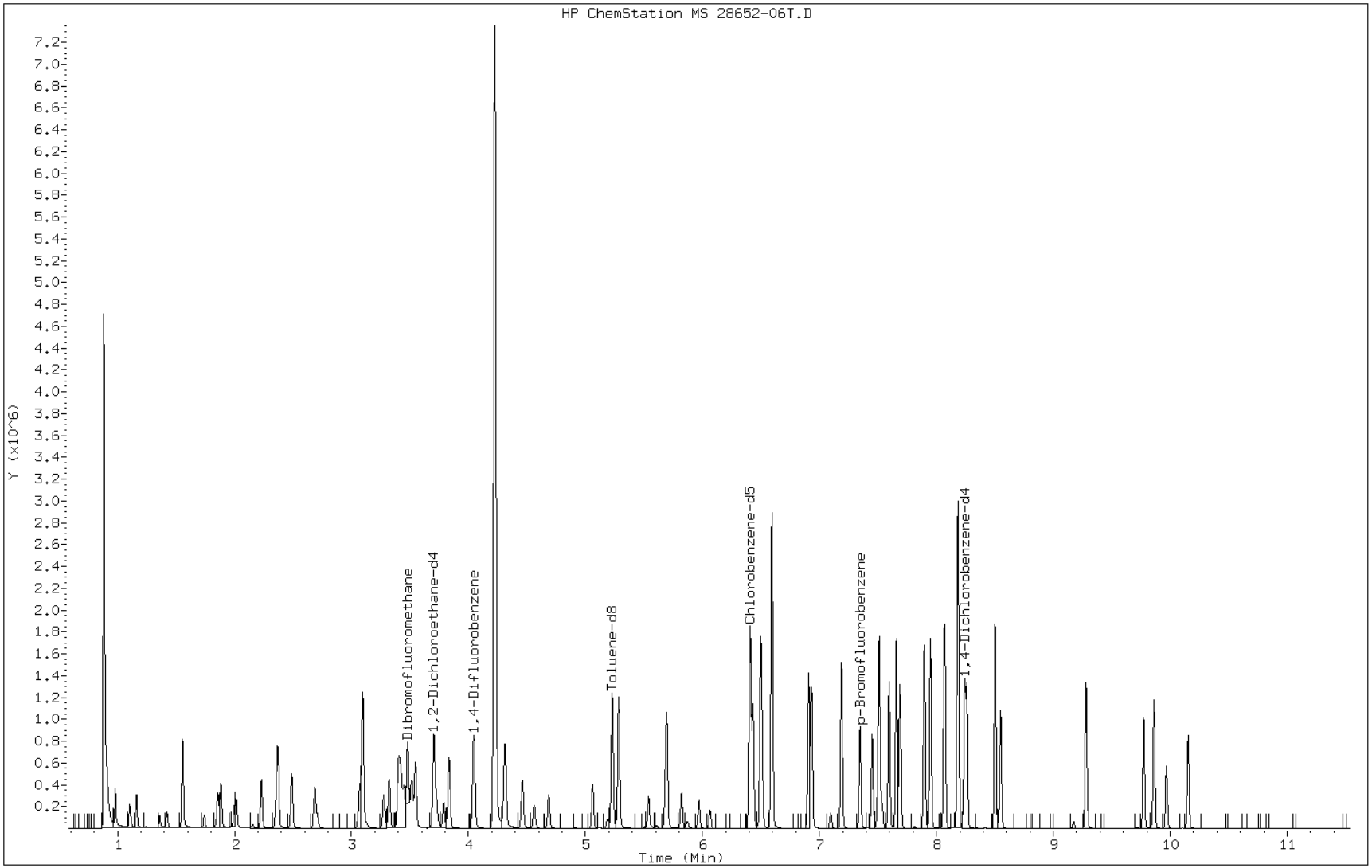
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 28652-06T.D

Date: 28-OCT-2010 20:21

Client ID: OLD-MW-4 MSD Instrument: ms22.i

Sample Info: 500-28652-A-6MSD Operator: EA



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: MS22 Start Date: 10/27/2010 12:41

Analysis Batch Number: 98283 End Date: 10/27/2010 22:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 500-98283/1		10/27/2010 12:41	1	22B1027.D	DB624 0.2(mm)
IC 500-98283/2		10/27/2010 14:06	1	22I1027B.D	DB624 0.2(mm)
IC 500-98283/3		10/27/2010 14:52	1	22I1027C.D	DB624 0.2(mm)
IC 500-98283/4		10/27/2010 15:38	1	22I1027D.D	DB624 0.2(mm)
IC 500-98283/6		10/27/2010 16:24	1	22I1027F.D	DB624 0.2(mm)
IC 500-98283/7		10/27/2010 16:47	1	22I1027G.D	DB624 0.2(mm)
IC 500-98283/8		10/27/2010 17:45	1	22I1027H.D	DB624 0.2(mm)
IC 500-98283/9		10/27/2010 18:08	1	22I1027I.D	DB624 0.2(mm)
IC 500-98283/5		10/27/2010 18:37	1	22I1027E1.D	DB624 0.2(mm)
ICV 500-98283/11		10/27/2010 22:47	1		DB624 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: MS22 Start Date: 10/27/2010 16:24

Analysis Batch Number: 98381 End Date: 10/28/2010 23:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MPIS 500-98381/7		10/27/2010 16:24	1	MPIS-WATER102710.d	DB624 0.2(mm)
BFB 500-98381/1		10/28/2010 11:23	1	22B1028.D	DB624 0.2(mm)
CCV 500-98381/2		10/28/2010 12:23	1	22C1028A.D	DB624 0.2(mm)
MB 500-98381/3		10/28/2010 12:54	1	22M1028.D	DB624 0.2(mm)
LCS 500-98381/4		10/28/2010 13:17	1	22S1028.D	DB624 0.2(mm)
ZZZZZ		10/28/2010 13:48	50		DB624 0.2(mm)
ZZZZZ		10/28/2010 14:11	1		DB624 0.2(mm)
ZZZZZ		10/28/2010 14:34	20		DB624 0.2(mm)
ZZZZZ		10/28/2010 14:57	20		DB624 0.2(mm)
ZZZZZ		10/28/2010 15:20	20		DB624 0.2(mm)
ZZZZZ		10/28/2010 15:43	1		DB624 0.2(mm)
ZZZZZ		10/28/2010 16:06	1		DB624 0.2(mm)
500-28652-1	VLF-MW-1	10/28/2010 16:30	1	28652-01.D	DB624 0.2(mm)
500-28652-2	VLF-MW-2	10/28/2010 16:53	20	28652-02.D	DB624 0.2(mm)
500-28652-2 DL	VLF-MW-2 DL	10/28/2010 17:16	200	28652-02A.D	DB624 0.2(mm)
500-28652-3	VLF-MW-3	10/28/2010 17:39	1	28652-03.D	DB624 0.2(mm)
500-28652-4	VLF-MW-4	10/28/2010 18:02	1	28652-04.D	DB624 0.2(mm)
500-28652-5	VLF-MW-2 DUP	10/28/2010 18:25	20	28652-05.D	DB624 0.2(mm)
500-28652-5 DL	VLF-MW-2 DUP DL	10/28/2010 18:48	200	28652-05A.D	DB624 0.2(mm)
500-28652-6	OLD-MW-4	10/28/2010 19:12	20	28652-06.D	DB624 0.2(mm)
500-28652-6 DL	OLD-MW-4 DL	10/28/2010 19:35	200	28652-06A.D	DB624 0.2(mm)
500-28652-6 MS	OLD-MW-4 MS	10/28/2010 19:58	20	28652-06S.D	DB624 0.2(mm)
500-28652-6 MSD	OLD-MW-4 MSD	10/28/2010 20:21	20	28652-06T.D	DB624 0.2(mm)
500-28652-7	TRIP BLANK	10/28/2010 20:44	1	28652-07.D	DB624 0.2(mm)
500-28652-8	VLF-MW-7	10/28/2010 21:07	1	28652-08.D	DB624 0.2(mm)
500-28652-9	OLD-MW-9	10/28/2010 21:30	2	28652-09.D	DB624 0.2(mm)
500-28652-9 DL	OLD-MW-9 DL	10/28/2010 21:53	20	28652-09A.D	DB624 0.2(mm)
500-28652-10	VLF-MW-5	10/28/2010 22:16	1	28652-10.D	DB624 0.2(mm)
500-28652-11	VLF-MW-6	10/28/2010 22:39	50	28652-11.D	DB624 0.2(mm)
500-28652-11 DL	VLF-MW-6 DL	10/28/2010 23:02	500	28652-11A.D	DB624 0.2(mm)
ZZZZZ		10/28/2010 23:25	1		DB624 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: MS22 Start Date: 10/27/2010 16:24

Analysis Batch Number: 98526 End Date: 10/29/2010 14:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MPIS 500-98526/7		10/27/2010 16:24	1	MPIS-WATER102710.d	DB624 0.2(mm)
BFB 500-98526/1		10/29/2010 12:37	1	22B1029.D	DB624 0.2(mm)
CCV 500-98526/2		10/29/2010 13:01	1	22C1029.D	DB624 0.2(mm)
MB 500-98526/3		10/29/2010 13:47	1	22M1029.D	DB624 0.2(mm)
LCS 500-98526/4		10/29/2010 14:10	1	22S1029.D	DB624 0.2(mm)
500-28652-12	TRIP BLANK-2	10/29/2010 14:33	1	28652-12A.D	DB624 0.2(mm)
500-28652-3 DL	VLF-MW-3 DL	10/29/2010 14:56	5	28652-03A.D	DB624 0.2(mm)

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: #3 10/21

Job Number: 500-28652

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	Misc. Info
1	1	2	22B1028	⊘	98381	⊘
2	1/20 1/200	2 ↓	22B1028 ↓	⊘ D1	↓	TCE = 5396 TCE = 6039 ⊘
3	1 1/5	2 2	22B1028 22B1029	⊘ D1	98381	Cis 12DCE = 180 TCE = 217 RL 1/5 ⊘ 11DCE = 182 TCE 232 ⊘
4	1	2	22B1028	⊘	98381	⊘
5	1/20 1/200	2 ↓	22B1028 ↓	⊘ D1	↓	TCE = 4879 TCE = 5464 ⊘
6	1/20 1/200	2 ↓	22B1028 ↓	⊘ D1	↓	TCE = 4704 TCE = 4134 ⊘

Reviewed by: [signature] Date: 11-18-10

CHI-22-20-075/B-01/08

11/10/2010

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: _____

Job Number: 560-28652

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	Misc. Info
6MS	1/20	2	22BW08	D	98381	
6MSD	1/20	2	22BW08	D		
7TB	1	2	22BW08	W		
8	1	2	22BW08	D		
9	1/2 1/20	2	22BW08	D D		TIB = 620 TIB = 752
10	1	2	22BW08	D		

Reviewed by: _____ Date: 11-18-10

CHI-22-20-075/B-01/08

11/10/2010

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: _____

Job Number: 500-28652

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	Misc. Info
11	1500	2	228W08	D	98381	w DAB 11210 w MOD 12205
12 TB	1	2	228W08	—	—	pre ~~tune~~ Rlr Sr

Reviewed by: _____ Date: 11-9-10

CHI-22-20-075/B-01/08

TestAmerica Chicago

GC/MS Volatiles: Internal Chain of Custody Form

ICOC Job Number: 560-28652

Date	Time Out	Time In	ICOC Initials	Misc. Info
10/25/10	1420	1430	[illegible]	Waters
10/25/10	1320	1320	[illegible]	Waters

CHI-22-20-074/A-01/08

RSK_175

Dissolved Gases (GC)

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21oct101429-r011.d

Lab ID: LCS 200-8248/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methane	72.8	78.2	107	70-130	
Ethane	137	143	105	70-130	
Ethylene	127	135	106	70-130	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Lab Sample ID: MB 200-8248/3

Matrix: Water Date Extracted:

Lab File ID:(1) 21oct101429-r021.d Lab File ID:(2)

Date Analyzed:(1) 10/21/2010 14:46 Date Analyzed:(2)

Instrument ID:(1) 2866.i Instrument ID:(2)

GC Column:(1) RT-U-Plot ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 200-8248/2	10/21/2010 14:42	
VLF-MW-2	500-28652-2	10/21/2010 16:14	
VLF-MW-3	500-28652-3	10/21/2010 16:19	
VLF-MW-7	500-28652-8	10/21/2010 16:24	
VLF-MW-6	500-28652-11	10/21/2010 16:30	

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-2 Lab Sample ID: 500-28652-2

Matrix: Water Lab File ID: 21oct101528-r071.d

Analysis Method: RSK-175 Date Collected: 10/18/2010 15:45

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 16:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	15		2.0	1.0
74-84-0	Ethane	2.0	U	4.0	2.0
74-85-1	Ethylene	1.5	U	3.0	1.5

TestAmerica Burlington

Lab Sample Id: 500-28652-2
Client Smp ID: VLF-MW-2
Inj Date : 21-OCT-2010 16:14
Operator : PAD Inst ID: 2866_1.i
Smp Info : 500-28652-A-2,1
Misc Info : 500-28652-A-2
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

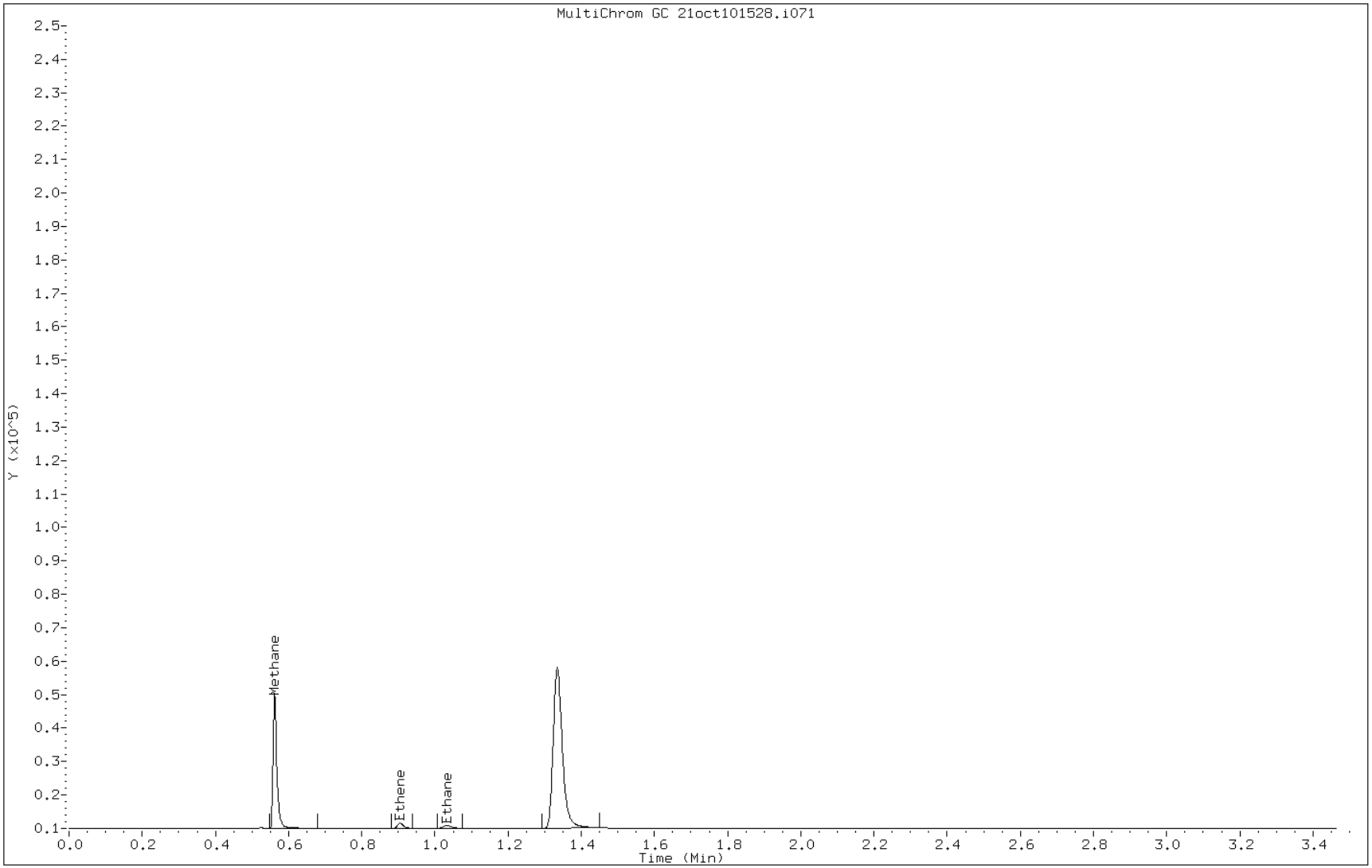
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.562	0.575	-0.013	29519	14.7737	15(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	21oct101528-r071.d	Date:	21-OCT-2010 16:14
Client ID:	VLF-MW-2	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	500-28652-A-2,1		
Lab Sample ID:	500-28652-2		



Manual Integration Report

Data File: 21oct101528-r071.d
Lab Sample ID: 500-28652-2
Inj. Date and Time: 21-OCT-2010 16:14
Instrument ID: 2866_1.i
Client ID: VLF-MW-2
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

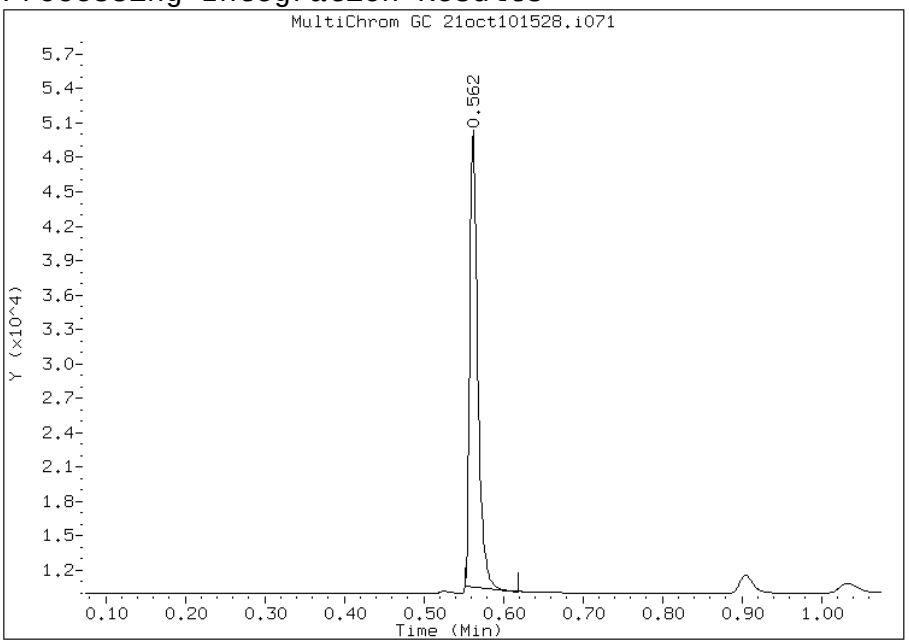
Processing Integration Results

RT: 0.56

Response: 27706

Amount: 13.87

Conc: 13.87



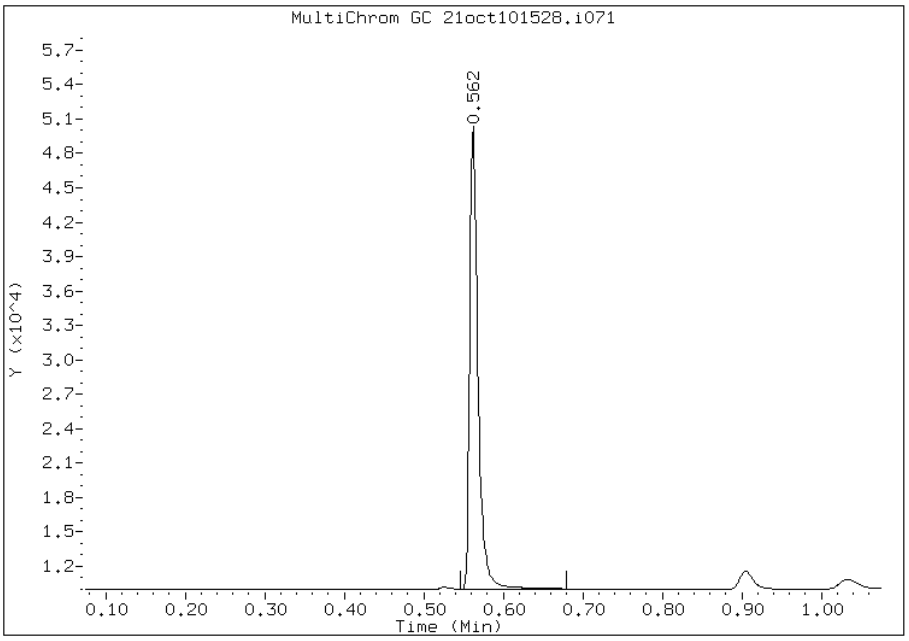
Manual Integration Results

RT: 0.56

Response: 29519

Amount: 14.77

Conc: 14.77



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-3 Lab Sample ID: 500-28652-3

Matrix: Water Lab File ID: 21oct101528-r081.d

Analysis Method: RSK-175 Date Collected: 10/18/2010 14:15

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 16:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	12		2.0	1.0
74-84-0	Ethane	2.0	U	4.0	2.0
74-85-1	Ethylene	1.5	U	3.0	1.5

TestAmerica Burlington

Lab Sample Id: 500-28652-3
Client Smp ID: VLF-MW-3
Inj Date : 21-OCT-2010 16:19
Operator : PAD Inst ID: 2866_1.i
Smp Info : 500-28652-A-3,1
Misc Info : 500-28652-A-3
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

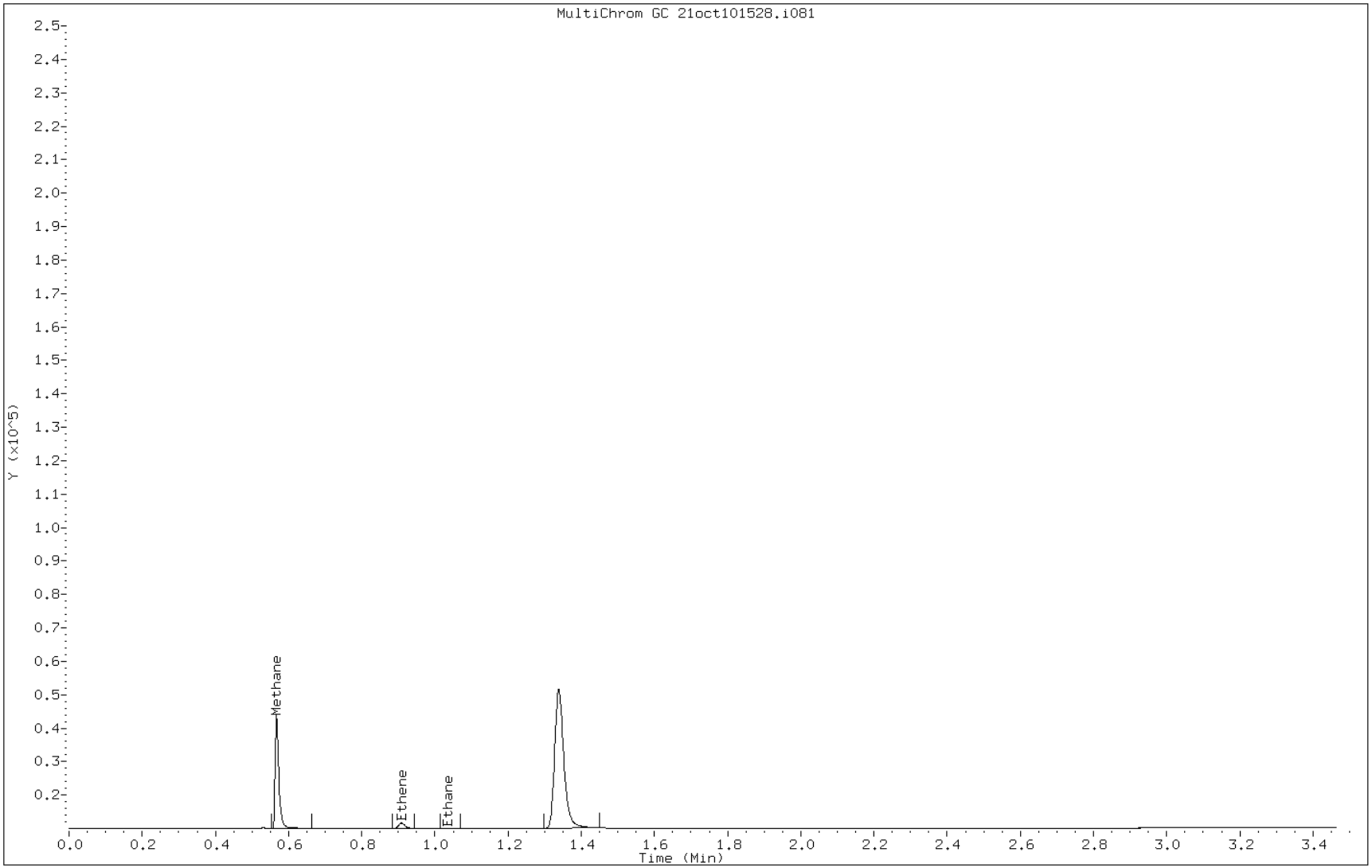
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.568	0.575	-0.007	23902	11.9625	12(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	21oct101528-r081.d	Date:	21-OCT-2010 16:19
Client ID:	VLF-MW-3	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	500-28652-A-3,1		
Lab Sample ID:	500-28652-3		



Manual Integration Report

Data File: 21oct101528-r081.d
Lab Sample ID: 500-28652-3
Inj. Date and Time: 21-OCT-2010 16:19
Instrument ID: 2866_1.i
Client ID: VLF-MW-3
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

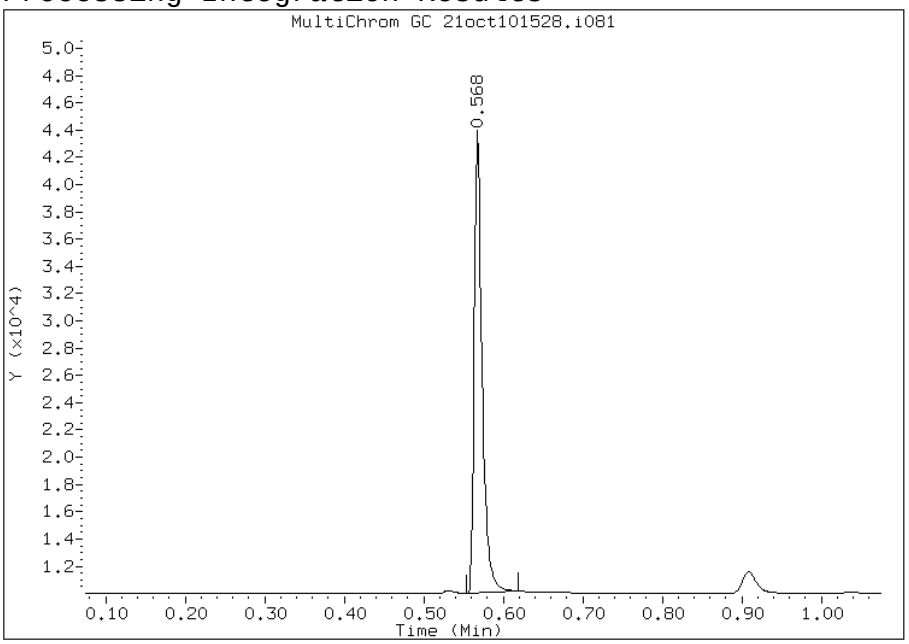
Processing Integration Results

RT: 0.57

Response: 23519

Amount: 11.77

Conc: 11.77



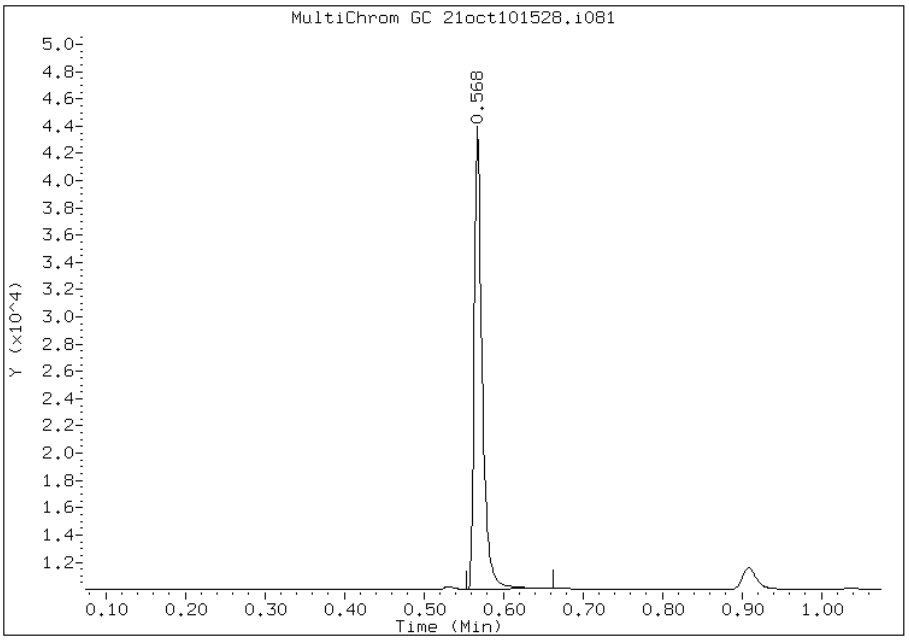
Manual Integration Results

RT: 0.57

Response: 23902

Amount: 11.96

Conc: 11.96



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-7 Lab Sample ID: 500-28652-8

Matrix: Water Lab File ID: 21oct101528-r091.d

Analysis Method: RSK-175 Date Collected: 10/19/2010 13:00

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 16:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1.9	J	2.0	1.0
74-84-0	Ethane	2.0	U	4.0	2.0
74-85-1	Ethylene	1.5	U	3.0	1.5

TestAmerica Burlington

Lab Sample Id: 500-28652-8
Client Smp ID: VLF-MW-7
Inj Date : 21-OCT-2010 16:24
Operator : PAD Inst ID: 2866_1.i
Smp Info : 500-28652-A-8,1
Misc Info : 500-28652-A-8
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

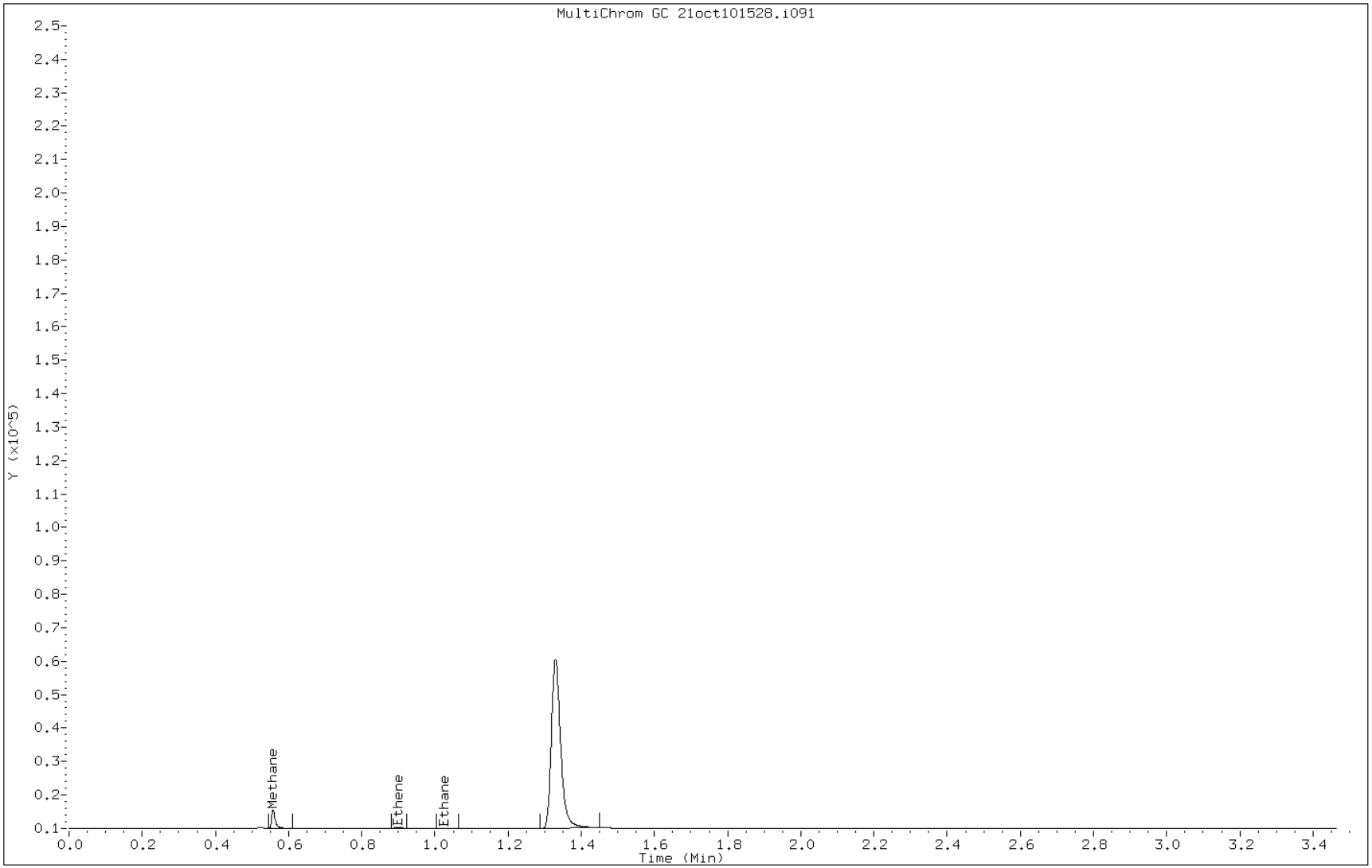
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.558	0.575	-0.017	3732	1.86779	1.9(aM)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	21oct101528-r091.d	Date:	21-OCT-2010 16:24
Client ID:	VLF-MW-7	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	500-28652-A-8,1		
Lab Sample ID:	500-28652-8		



Manual Integration Report

Data File: 21oct101528-r091.d
Lab Sample ID: 500-28652-8
Inj. Date and Time: 21-OCT-2010 16:24
Instrument ID: 2866_1.i
Client ID: VLF-MW-7
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

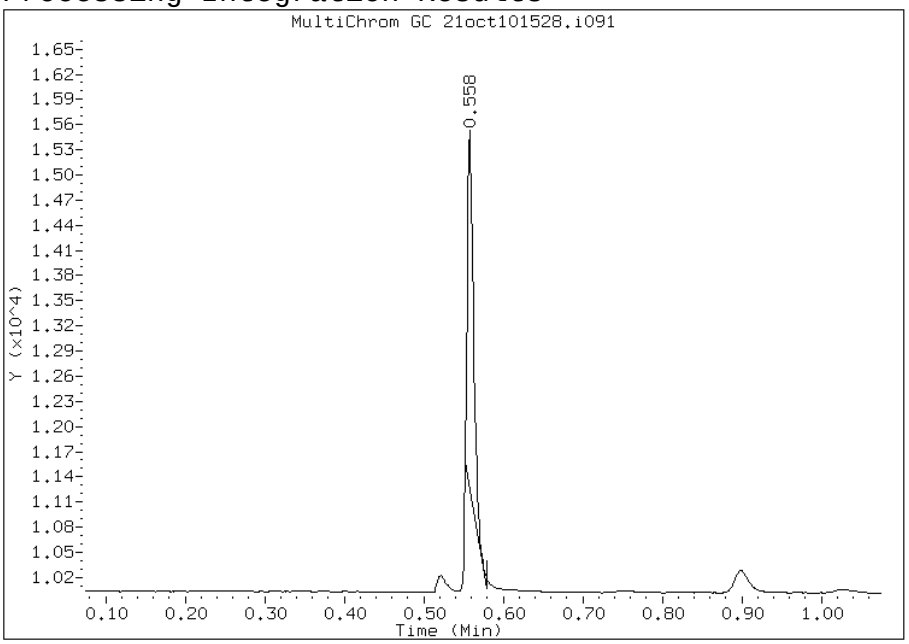
Processing Integration Results

RT: 0.56

Response: 2247

Amount: 1.12

Conc: 1.12



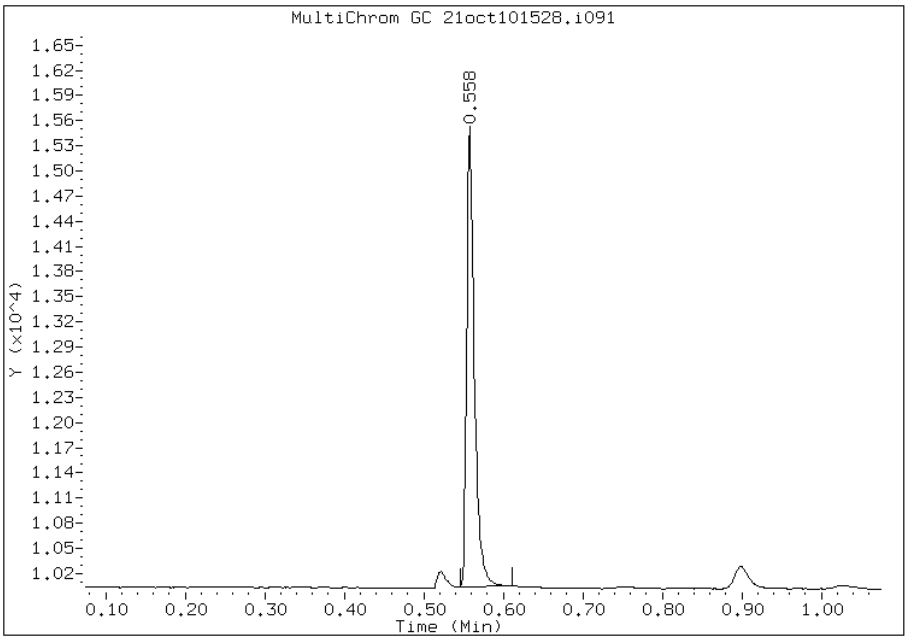
Manual Integration Results

RT: 0.56

Response: 3732

Amount: 1.87

Conc: 1.87



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: VLF-MW-6 Lab Sample ID: 500-28652-11

Matrix: Water Lab File ID: 21oct101528-r101.d

Analysis Method: RSK-175 Date Collected: 10/19/2010 13:30

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 16:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	60		2.0	1.0
74-84-0	Ethane	2.0	U	4.0	2.0
74-85-1	Ethylene	14		3.0	1.5

TestAmerica Burlington

Lab Sample Id: 500-28652-11
Client Smp ID: VLF-MW-6
Inj Date : 21-OCT-2010 16:30
Operator : PAD Inst ID: 2866_1.i
Smp Info : 500-28652-I-11,1
Misc Info : 500-28652-I-11
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

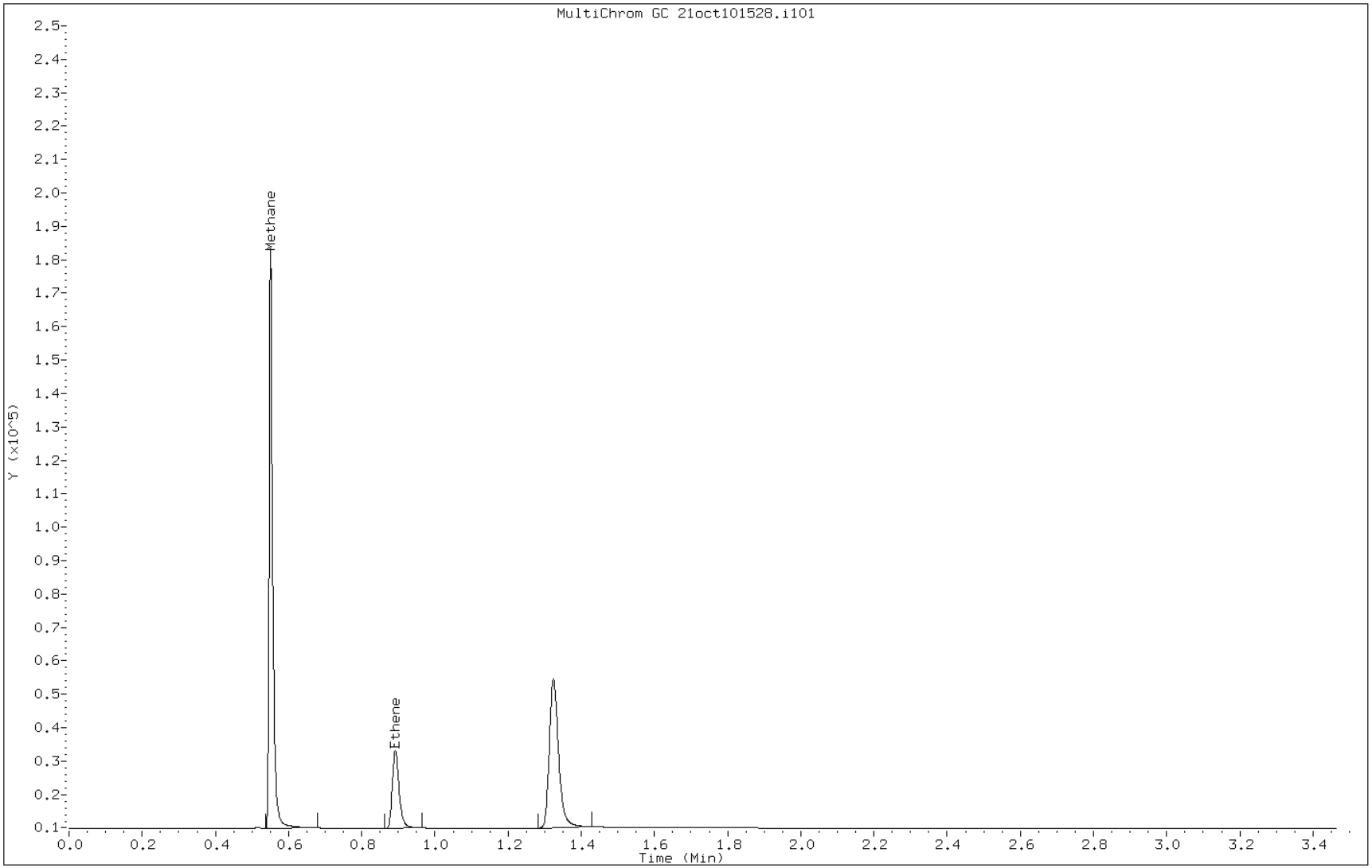
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.551	0.575	-0.024	120237	60.1763	60(M)
2 Ethene	0.892	0.911	-0.019	30054	14.3634	14
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	21oct101528-r101.d	Date:	21-OCT-2010 16:30
Client ID:	VLF-MW-6	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	500-28652-I-11,1		
Lab Sample ID:	500-28652-11		



Manual Integration Report

Data File: 21oct101528-r101.d
Lab Sample ID: 500-28652-11
Inj. Date and Time: 21-OCT-2010 16:30
Instrument ID: 2866_1.i
Client ID: VLF-MW-6
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

Processing Integration Results

Not Detected

Expected RT: 0.57

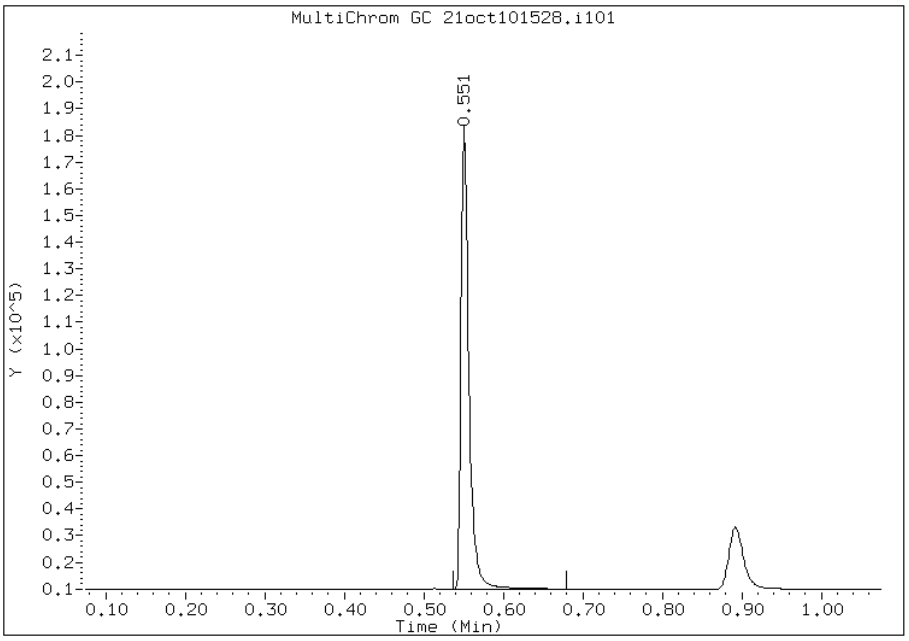
Manual Integration Results

RT: 0.55

Response: 120237

Amount: 60.18

Conc: 60.18



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1 Analy Batch No.: 4162

SDG No.:

Instrument ID: 2866.i GC Column: RT-U-Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/10/2010 16:10 Calibration End Date: 05/10/2010 16:30 Calibration ID: 1482

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4162/1	10may101557-r011.d
Level 2	IC 200-4162/2	10may101557-r021.d
Level 3	ICRT 200-4162/3	10may101557-r031.d
Level 4	IC 200-4162/4	10may101557-r041.d
Level 5	IC 200-4162/5	10may101557-r051.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methane	0.583	0.573	0.575	0.565	0.571						0.525 - 0.625	0.574
Ethylene	0.919	0.909	0.911	0.899	0.905						0.811 - 1.011	0.908
Ethane	1.045	1.034	1.036	1.024	1.029						0.936 - 1.136	1.034

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 500-28652-1 Analy Batch No.: 4162

SDG No.:

Instrument ID: 2866.i GC Column: RT-U-Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/10/2010 16:10 Calibration End Date: 05/10/2010 16:30 Calibration ID: 1482

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4162/1	10may101557-r011.d
Level 2	IC 200-4162/2	10may101557-r021.d
Level 3	ICRT 200-4162/3	10may101557-r031.d
Level 4	IC 200-4162/4	10may101557-r041.d
Level 5	IC 200-4162/5	10may101557-r051.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methane	1689.4 2094.9	1620.6	2339.7	2245.9	Ave		1998				16.3		30.0			
Ethylene	1775.0 2065.3	1815.0	2451.9	2354.9	Ave		2092				14.7		30.0			
Ethane	1746.9 2141.2	1816.0	2424.2	2350.2	Ave		2096				14.6		30.0			

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

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 500-28652-1 Analy Batch No.: 4162

SDG No.:

Instrument ID: 2866.i GC Column: RT-U-Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/10/2010 16:10 Calibration End Date: 05/10/2010 16:30 Calibration ID: 1482

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4162/1	10may101557-r011.d
Level 2	IC 200-4162/2	10may101557-r021.d
Level 3	ICRT 200-4162/3	10may101557-r031.d
Level 4	IC 200-4162/4	10may101557-r041.d
Level 5	IC 200-4162/5	10may101557-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methane	Ave	2872	29170	170798	489598	760439	1.70	18.0	73.0	218	363
Ethylene	Ave	5325	58079	311385	897202	1313529	3.00	32.0	127	381	636
Ethane	Ave	5590	61745	329689	961233	1458175	3.20	34.0	136	409	681

Curve Type Legend:
Ave = Average

TestAmerica Burlington

Data file : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/10may101557-r011.d
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 10-MAY-2010 16:10
Operator : PAD Inst ID: 2866_1.i
Smp Info : IC,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/RSK175_2007.m
Meth Date : 09-Jul-2010 11:12 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:10 Cal File: 10may101557-r011.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

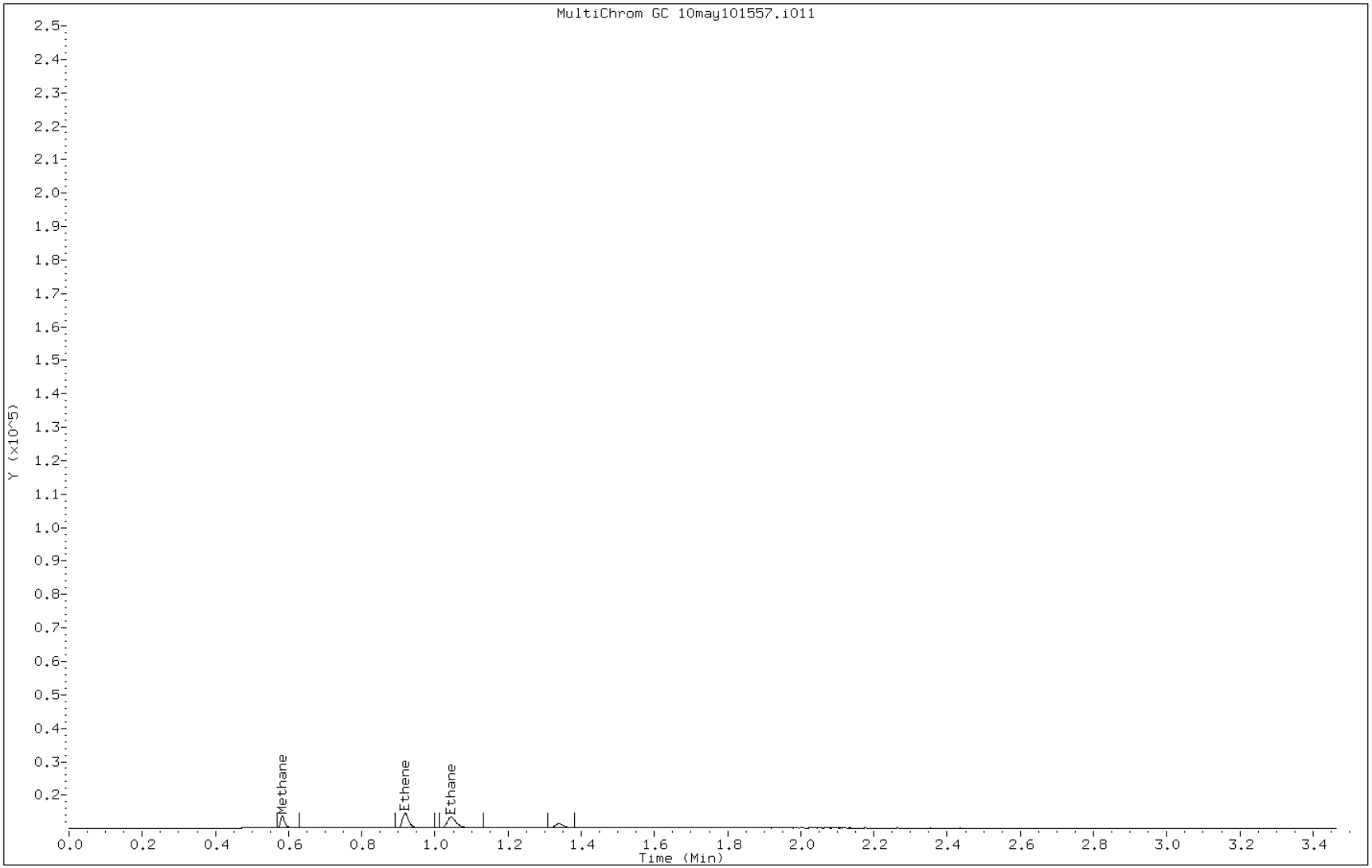
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.583	0.575	0.008	2872	1.70000	1.4(aM)
2 Ethene	0.918	0.911	0.007	5325	3.00000	2.5(aM)
3 Ethane	1.045	1.036	0.009	5590	3.20000	2.7(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	10may101557-r011.d	Date:	10-MAY-2010 16:10
Client ID:	IC	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	IC,1		
Lab Sample ID:	IC		



Manual Integration Report

Data File: 10may101557-r011.d
Lab Sample ID: IC
Inj. Date and Time: 10-MAY-2010 16:10
Instrument ID: 2866_1.i
Client ID: IC
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 07/09/2010

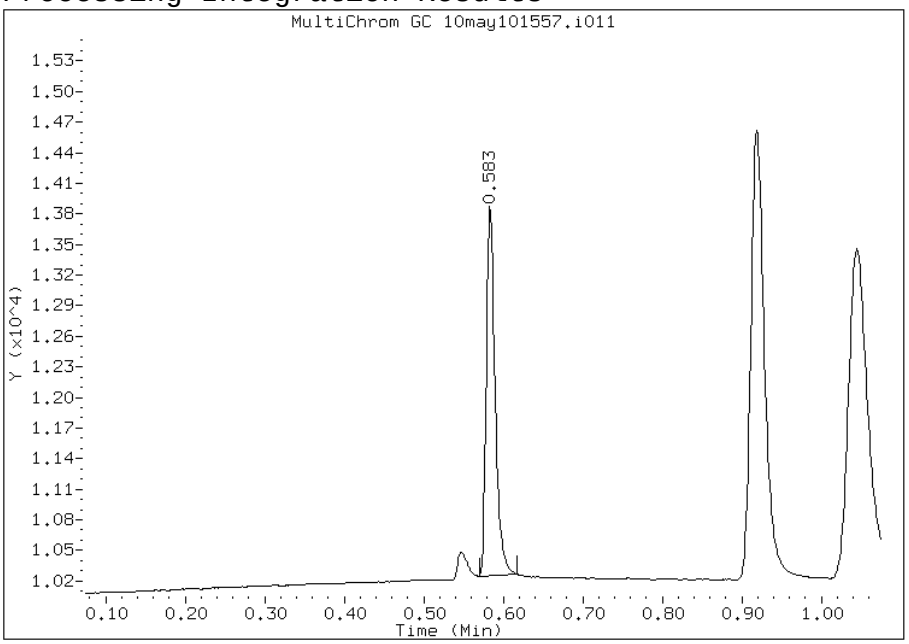
Processing Integration Results

RT: 0.58

Response: 2813

Amount: 1.41

Conc: 1.41



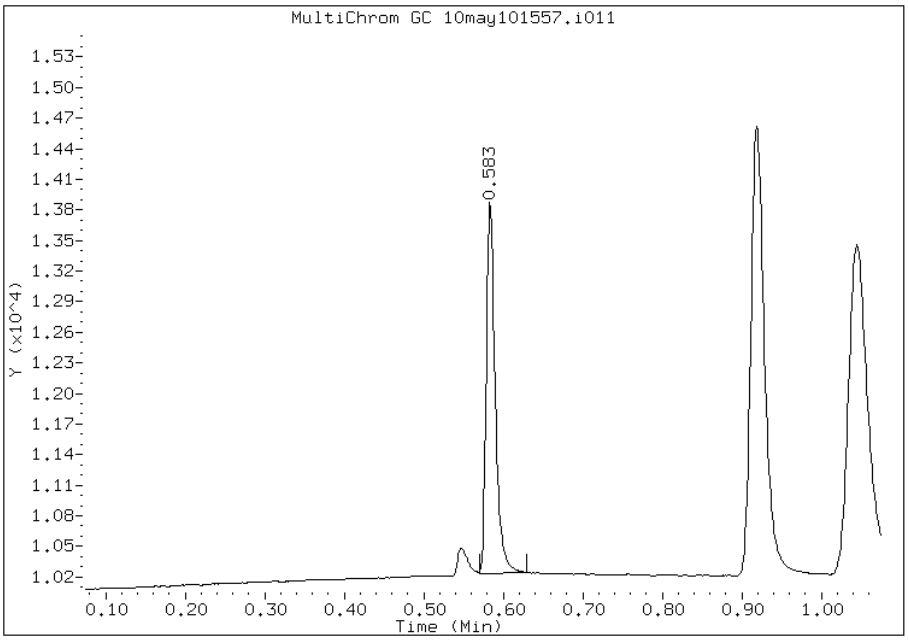
Manual Integration Results

RT: 0.58

Response: 2872

Amount: 1.44

Conc: 1.44



Manually Integrated By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 10may101557-r011.d
Lab Sample ID: IC
Inj. Date and Time: 10-MAY-2010 16:10
Instrument ID: 2866_1.i
Client ID: IC
Compound: 3 Ethane
CAS #: 74-84-0
Report Date: 07/09/2010

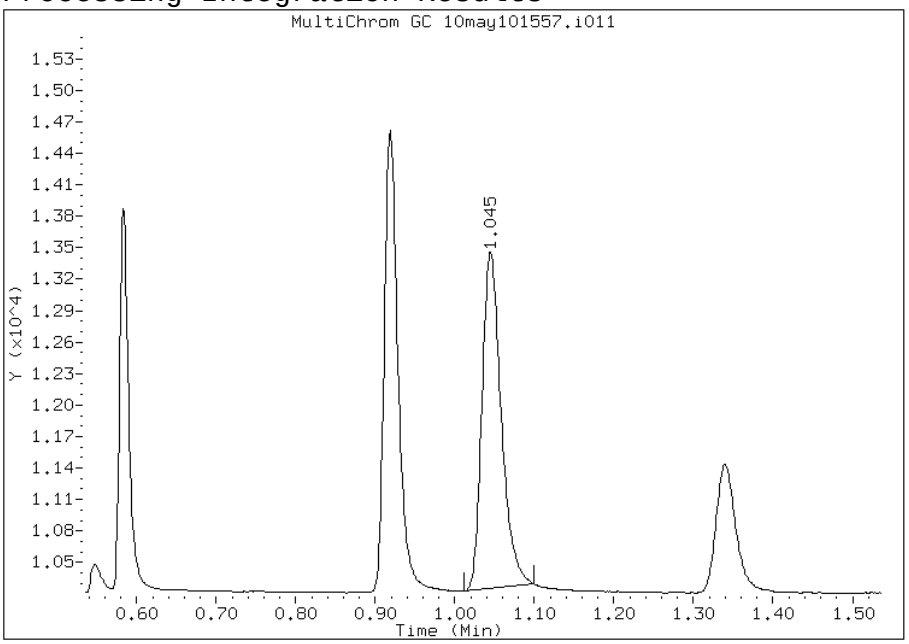
Processing Integration Results

RT: 1.04

Response: 5395

Amount: 2.59

Conc: 2.59



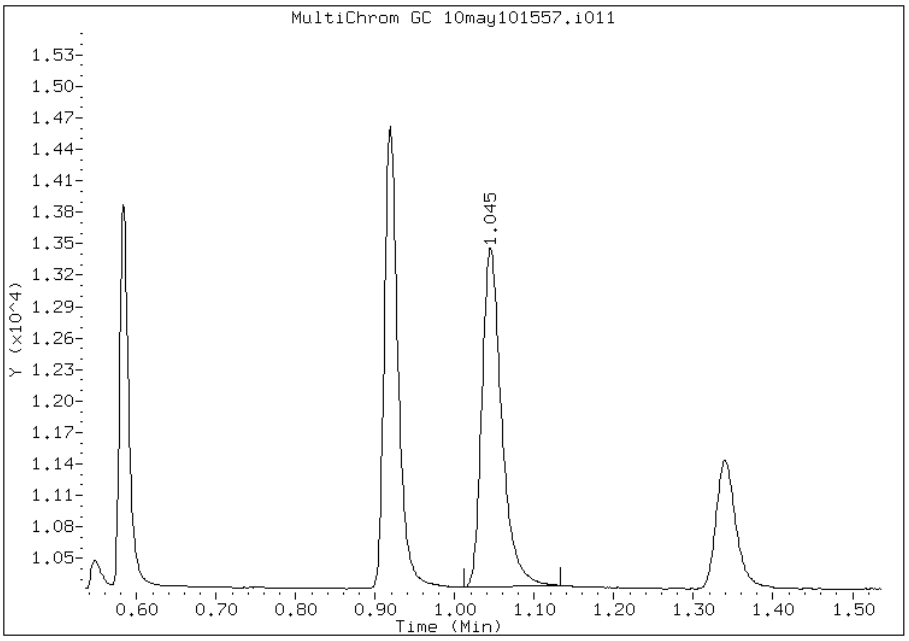
Manual Integration Results

RT: 1.04

Response: 5590

Amount: 2.67

Conc: 2.67



Manually Integrated By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 10may101557-r011.d
Lab Sample ID: IC
Inj. Date and Time: 10-MAY-2010 16:10
Instrument ID: 2866_1.i
Client ID: IC
Compound: 2 Ethene
CAS #: 74-85-1
Report Date: 07/09/2010

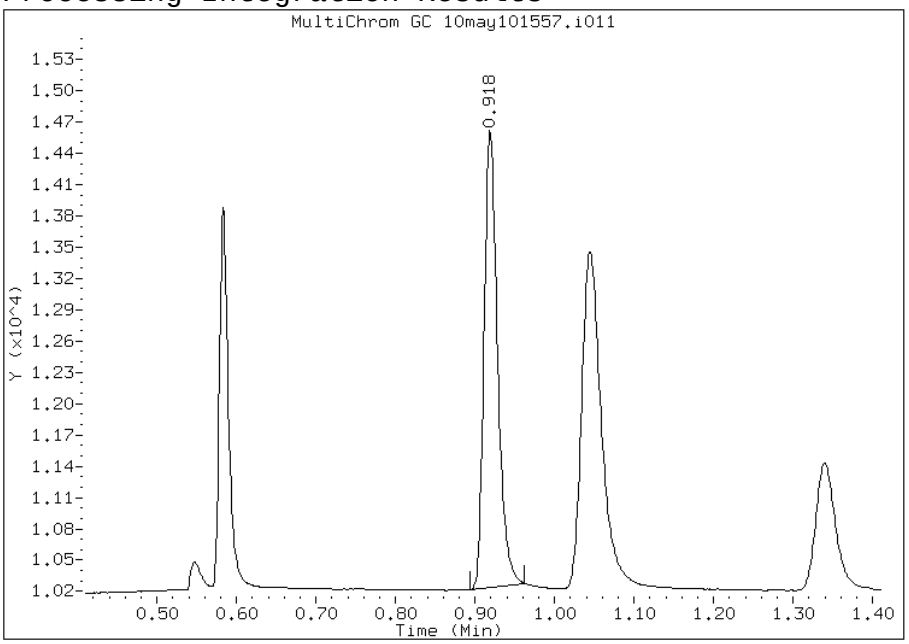
Processing Integration Results

RT: 0.92

Response: 5167

Amount: 2.48

Conc: 2.48



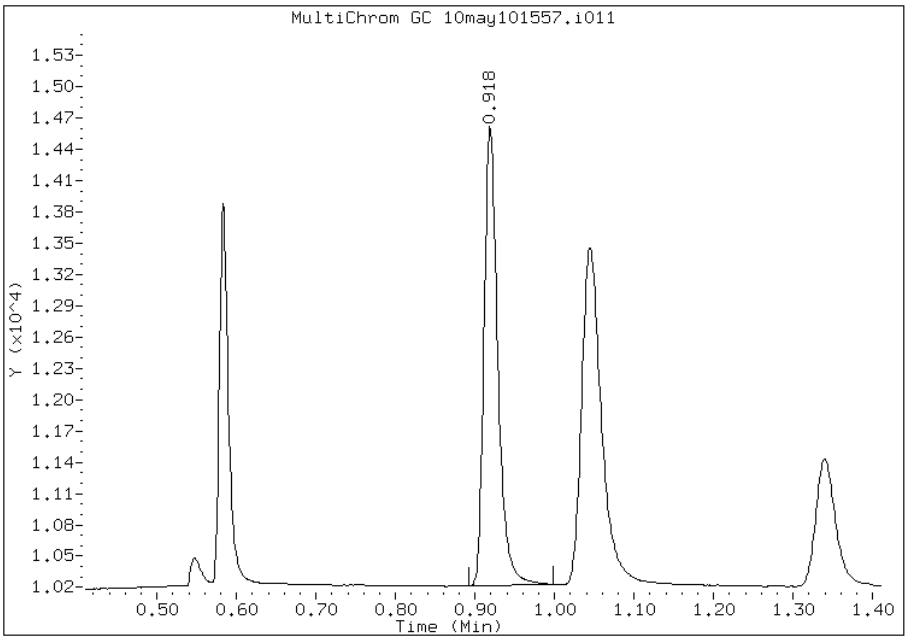
Manual Integration Results

RT: 0.92

Response: 5325

Amount: 2.54

Conc: 2.54



Manually Integrated By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

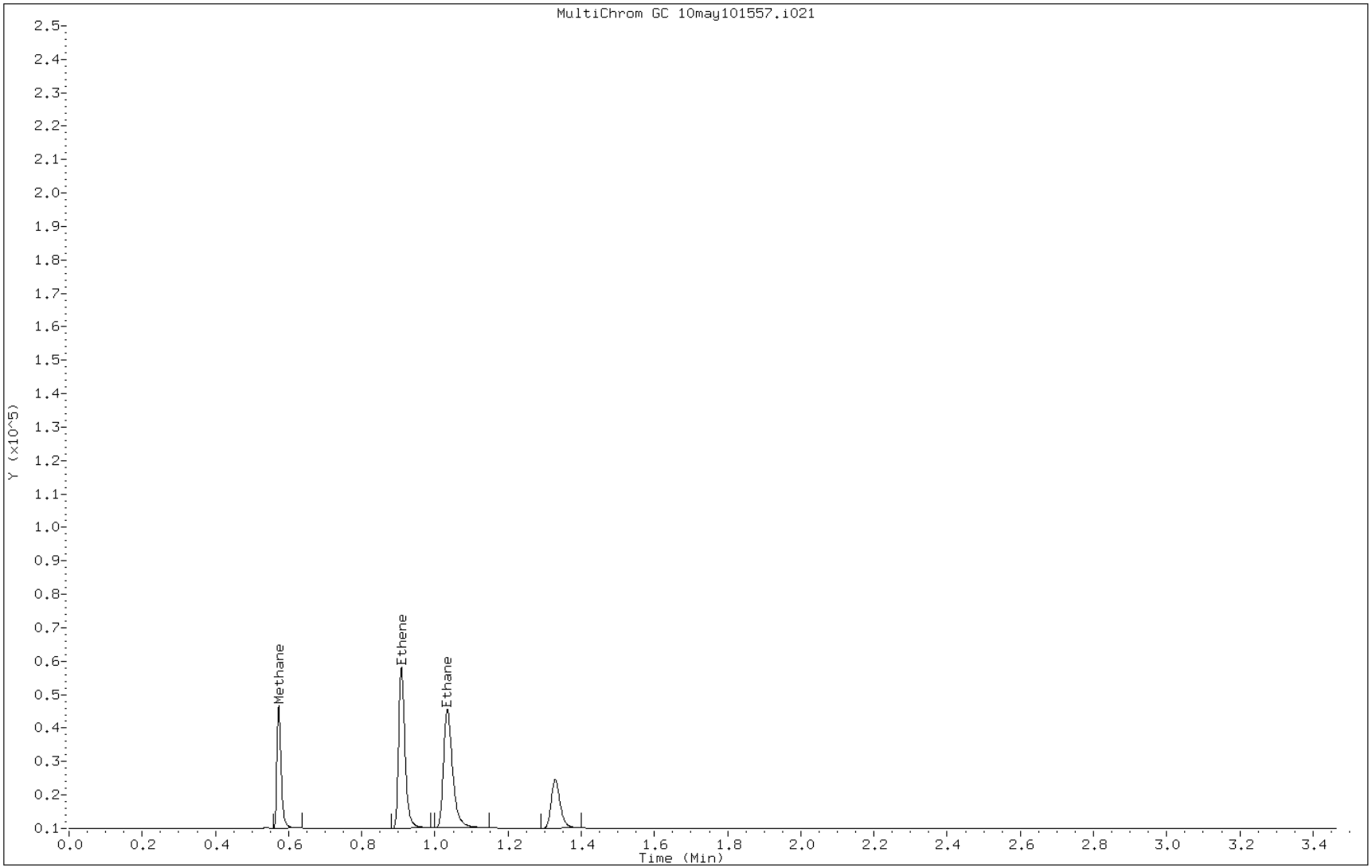
Data file : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/10may101557-r021.d
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 10-MAY-2010 16:14
Operator : PAD Inst ID: 2866_1.i
Smp Info : IC,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/RSK175_2007.m
Meth Date : 09-Jul-2010 11:12 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:14 Cal File: 10may101557-r021.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.573	0.575	-0.002	29170	18.0000	15
2 Ethene	0.909	0.911	-0.002	58079	32.0000	28
3 Ethane	1.034	1.036	-0.002	61745	34.0000	29

Data File:	10may101557-r021.d	Date:	10-MAY-2010 16:14
Client ID:	IC	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	IC,1		
Lab Sample ID:	IC		



TestAmerica Burlington

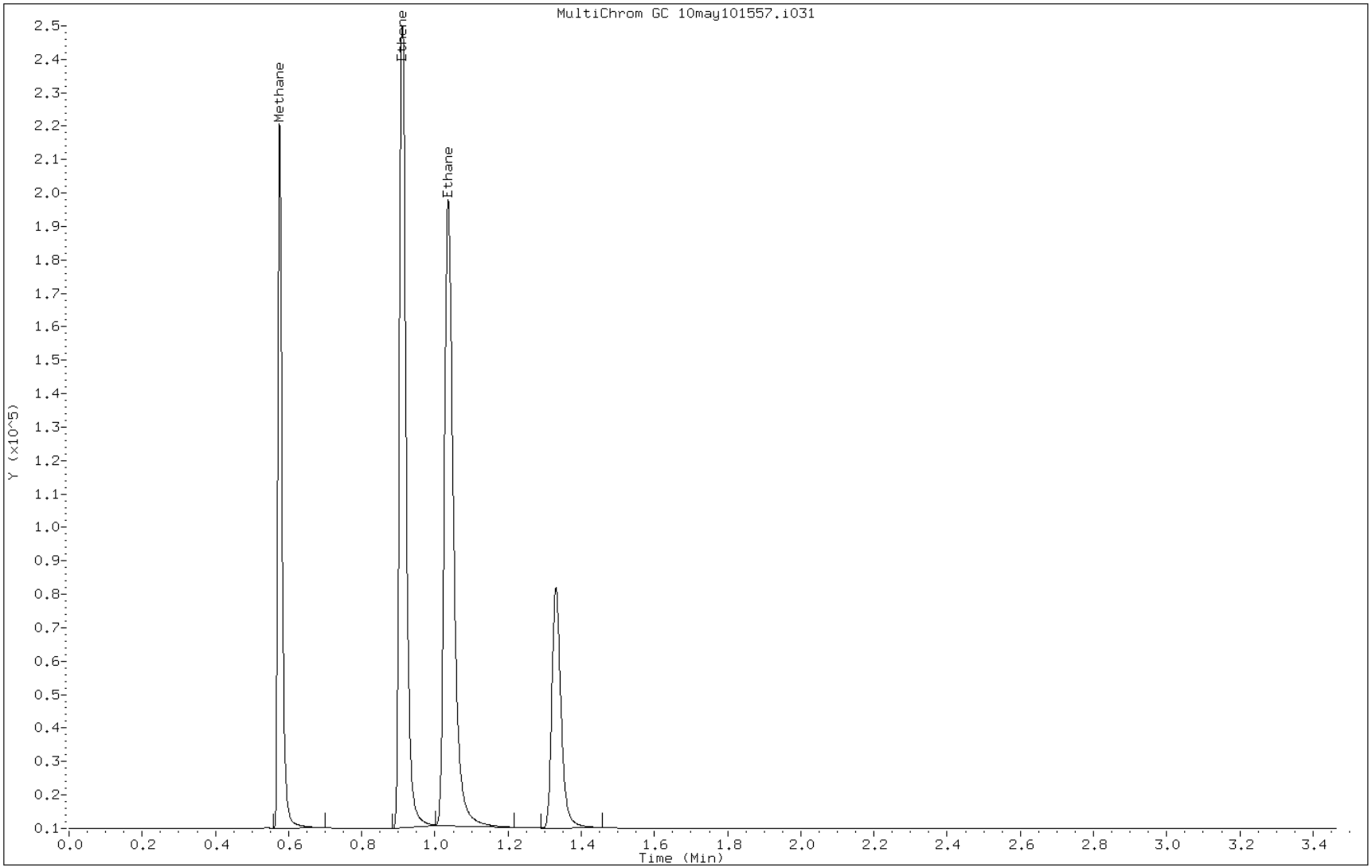
Data file : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/10may101557-r031.d
Lab Smp Id: ICRT Client Smp ID: ICRT
Inj Date : 10-MAY-2010 16:19
Operator : PAD Inst ID: 2866_1.i
Smp Info : ICRT,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/RSK175_2007.m
Meth Date : 09-Jul-2010 11:12 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:19 Cal File: 10may101557-r031.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.575	0.575	0.000	170798	73.0000	85
2 Ethene	0.911	0.911	0.000	311385	127.000	150
3 Ethane	1.036	1.036	0.000	329689	136.000	160

Data File:	10may101557-r031.d	Date:	10-MAY-2010 16:19
Client ID:	ICRT	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	ICRT,1		
Lab Sample ID:	ICRT		



TestAmerica Burlington

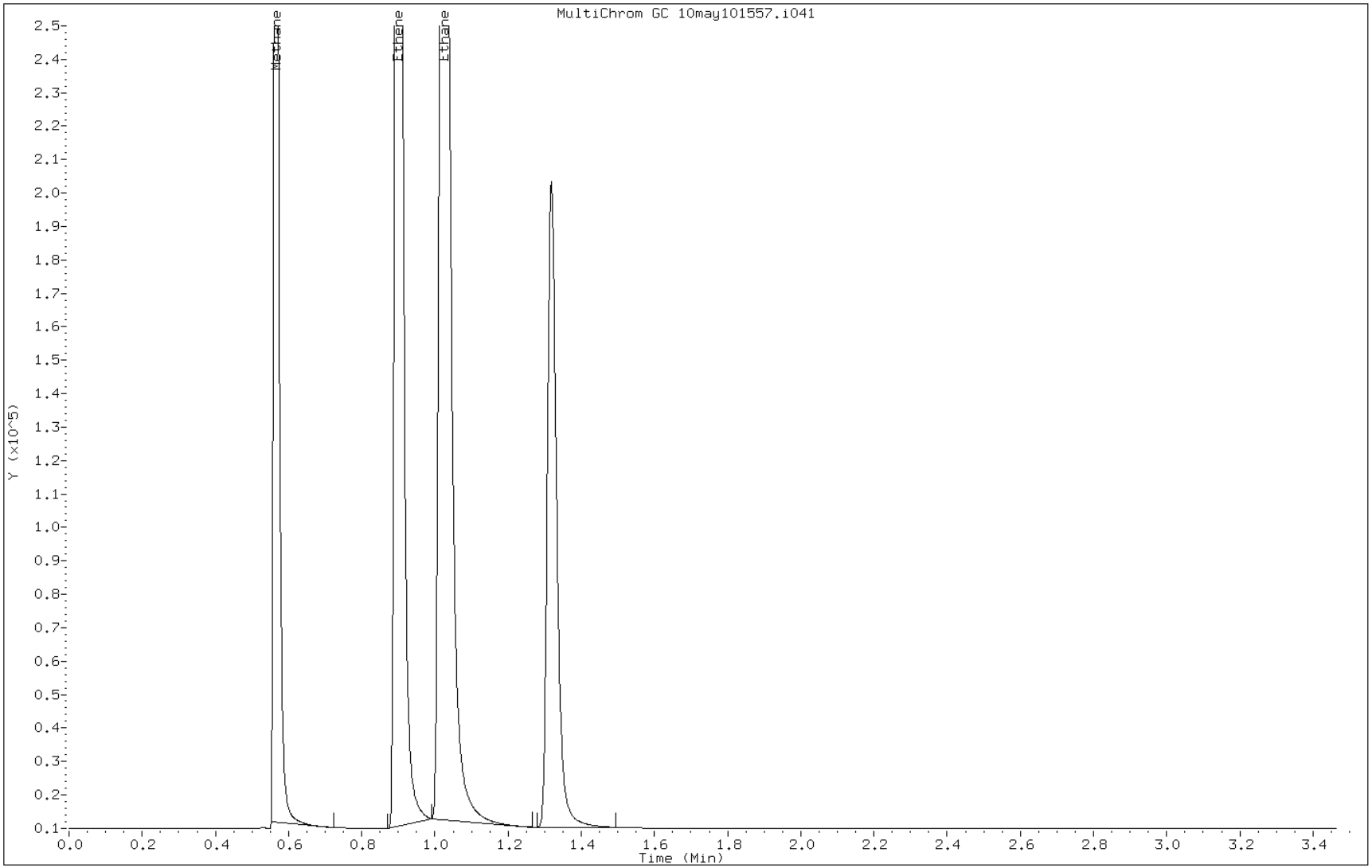
Data file : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/10may101557-r041.d
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 10-MAY-2010 16:25
Operator : PAD Inst ID: 2866_1.i
Smp Info : IC,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/RSK175_2007.m
Meth Date : 09-Jul-2010 11:13 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:25 Cal File: 10may101557-r041.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.565	0.575	-0.010	489598	218.000	250
2 Ethene	0.899	0.911	-0.012	897202	381.000	430
3 Ethane	1.024	1.036	-0.012	961233	409.000	460

Data File:	10may101557-r041.d	Date:	10-MAY-2010 16:25
Client ID:	IC	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	IC,1		
Lab Sample ID:	IC		



TestAmerica Burlington

Data file : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/10may101557-r051.d
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 10-MAY-2010 16:30
Operator : PAD Inst ID: 2866_1.i
Smp Info : IC,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/10MAY101557tal.b/RSK175_2007.m
Meth Date : 09-Jul-2010 11:13 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

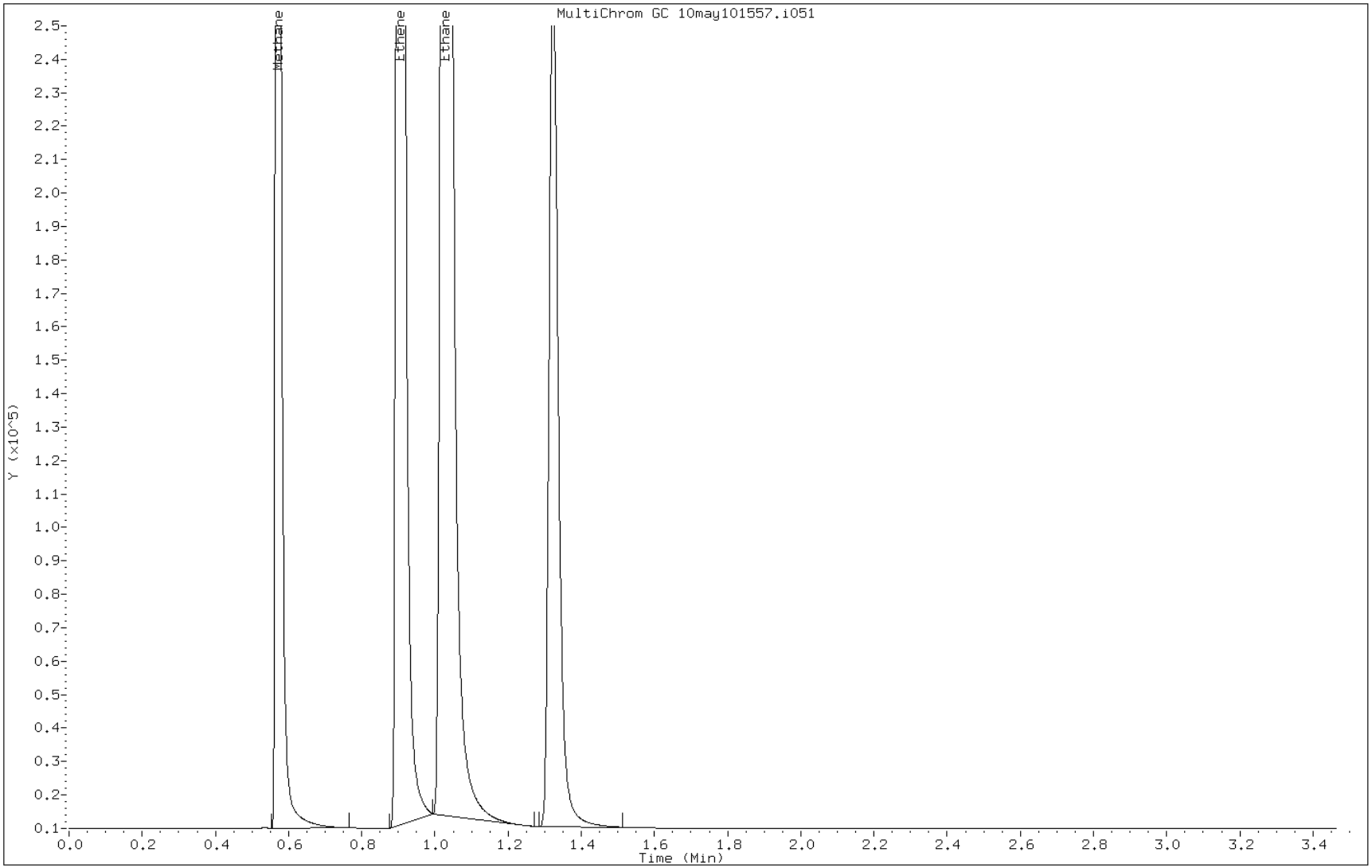
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.571	0.575	-0.004	760439	363.000	380(A)
2 Ethene	0.905	0.911	-0.006	1313529	636.000	630
3 Ethane	1.028	1.036	-0.008	1458175	681.000	700(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	10may101557-r051.d	Date:	10-MAY-2010 16:30
Client ID:	IC	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	IC,1		
Lab Sample ID:	IC		



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 200-8248/1 Calibration Date: 10/21/2010 14:10

Instrument ID: 2866.i Calib Start Date: 05/10/2010 16:10

GC Column: RT-U-Plot ID: 0.53(mm) Calib End Date: 05/10/2010 16:30

Lab File ID: 21oct101353-r011.d Conc. Units: ug/L Heated Purge: (Y/N) N

EPA Sample No.: CCV

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Ave	1998	1849		67.4	72.8	-7.5	30.0
Ethylene	Ave	2092	1922		117	127	-8.1	30.0
Ethane	Ave	2096	1894		123	137	-9.6	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCV 200-8248/1 Calibration Date: 10/21/2010 14:10

Instrument ID: 2866.i Calib Start Date: 05/10/2010 16:10

GC Column: RT-U-Plot ID: 0.53(mm) Calib End Date: 05/10/2010 16:30

Lab File ID: 21oct101353-r011.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	0.55	0.53	0.63
Ethylene	0.89	0.81	1.01
Ethane	1.02	0.94	1.14

TestAmerica Burlington

Data file : /var/chem/2866_1.i/051010_1/21OCT101353.b/21oct101353-r011.d
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 21-OCT-2010 14:10
Operator : PAD Inst ID: 2866_1.i
Smp Info : CCV,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

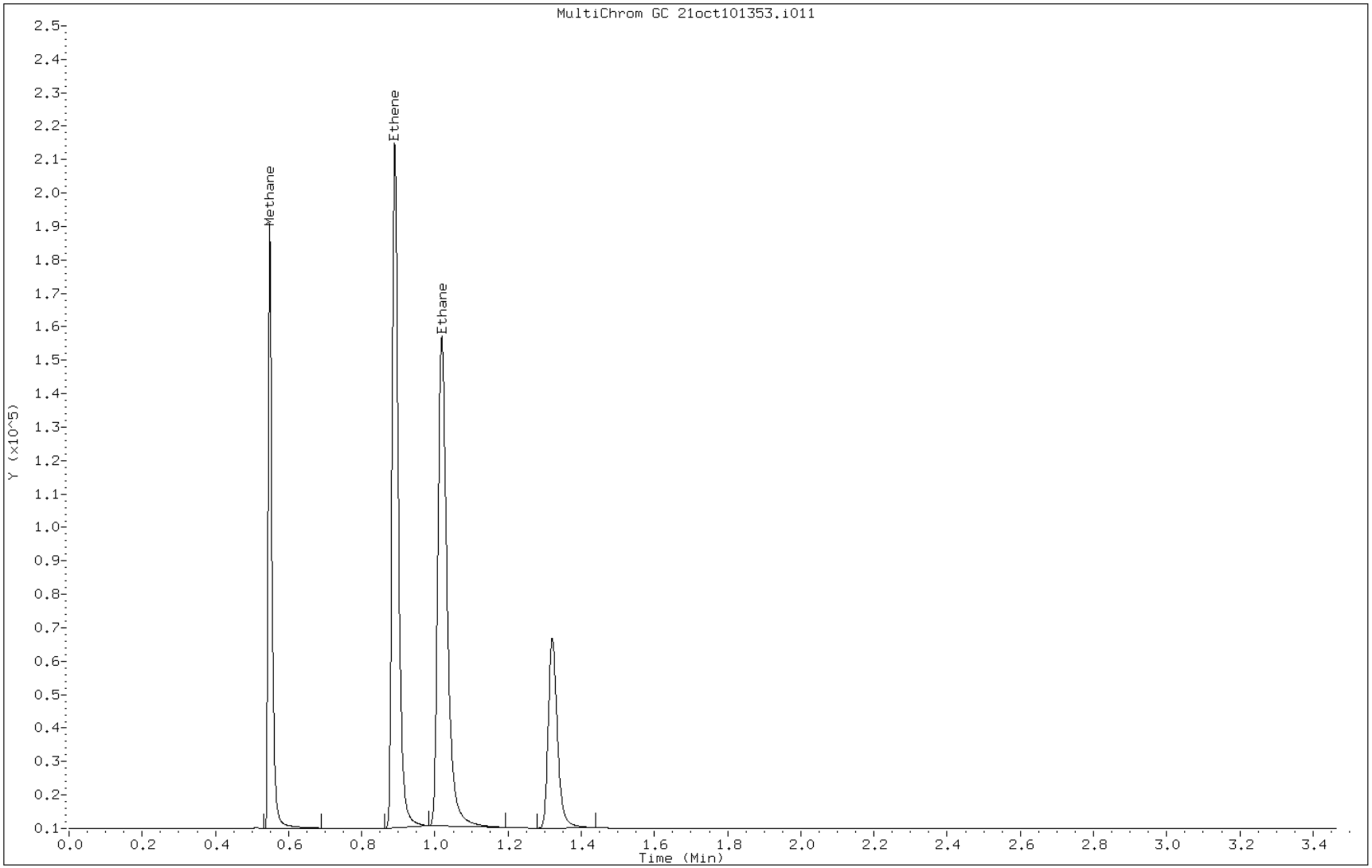
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.549	0.575	-0.026	134665	73.0000	67(M)
2 Ethene	0.890	0.911	-0.021	244826	127.000	120
3 Ethane	1.019	1.036	-0.017	258635	136.000	120

QC Flag Legend

M - Compound response manually integrated.

Data File:	21oct101353-r011.d	Date:	21-OCT-2010 14:10
Client ID:	CCV	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	CCV,1		
Lab Sample ID:	CCV		



Manual Integration Report

Data File: 21oct101353-r011.d
Lab Sample ID: CCV
Inj. Date and Time: 21-OCT-2010 14:10
Instrument ID: 2866_1.i
Client ID: CCV
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

Processing Integration Results

Not Detected

Expected RT: 0.57

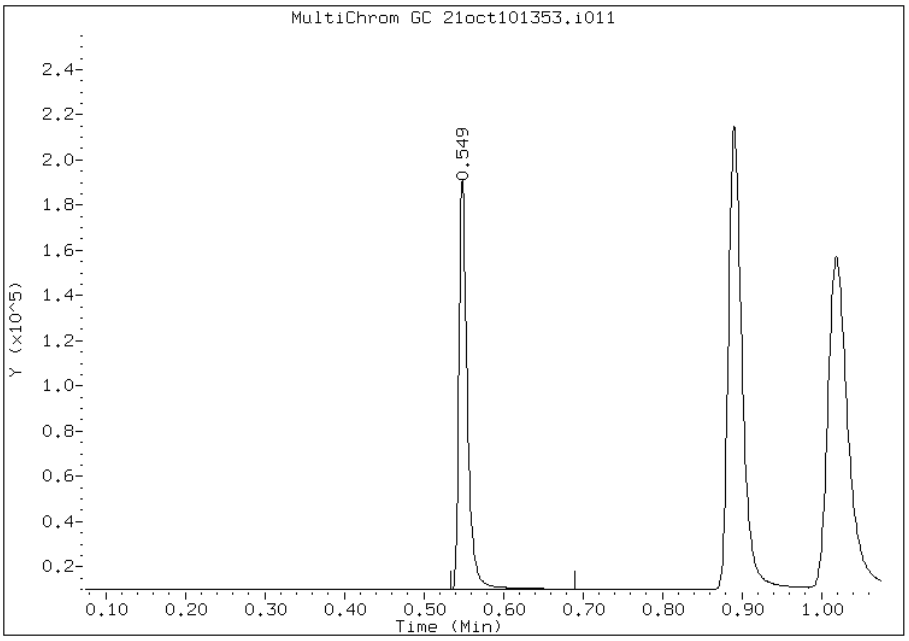
Manual Integration Results

RT: 0.55

Response: 134665

Amount: 67.40

Conc: 67.40



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCVC 200-8248/15 Calibration Date: 10/22/2010 09:52

Instrument ID: 2866.i Calib Start Date: 05/10/2010 16:10

GC Column: RT-U-Plot ID: 0.53(mm) Calib End Date: 05/10/2010 16:30

Lab File ID: 22oct100935-r011.d Conc. Units: ug/L Heated Purge: (Y/N) N

EPA Sample No.: CCVC

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Ave	1998	2125		77.5	72.8	6.4	30.0
Ethylene	Ave	2092	2228		136	127	6.5	30.0
Ethane	Ave	2096	2193		143	137	4.6	30.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Lab Sample ID: CCVC 200-8248/15 Calibration Date: 10/22/2010 09:52

Instrument ID: 2866.i Calib Start Date: 05/10/2010 16:10

GC Column: RT-U-Plot ID: 0.53(mm) Calib End Date: 05/10/2010 16:30

Lab File ID: 22oct100935-r011.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Methane	0.56	0.53	0.63
Ethylene	0.90	0.81	1.01
Ethane	1.03	0.94	1.14

TestAmerica Burlington

Data file : /var/chem/2866_1.i/051010_1/21OCT101353.b/22oct100935-r011.d
Lab Smp Id: CCVC Client Smp ID: CCVC
Inj Date : 22-OCT-2010 09:52
Operator : PAD Inst ID: 2866_1.i
Smp Info : CCVC,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:21 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

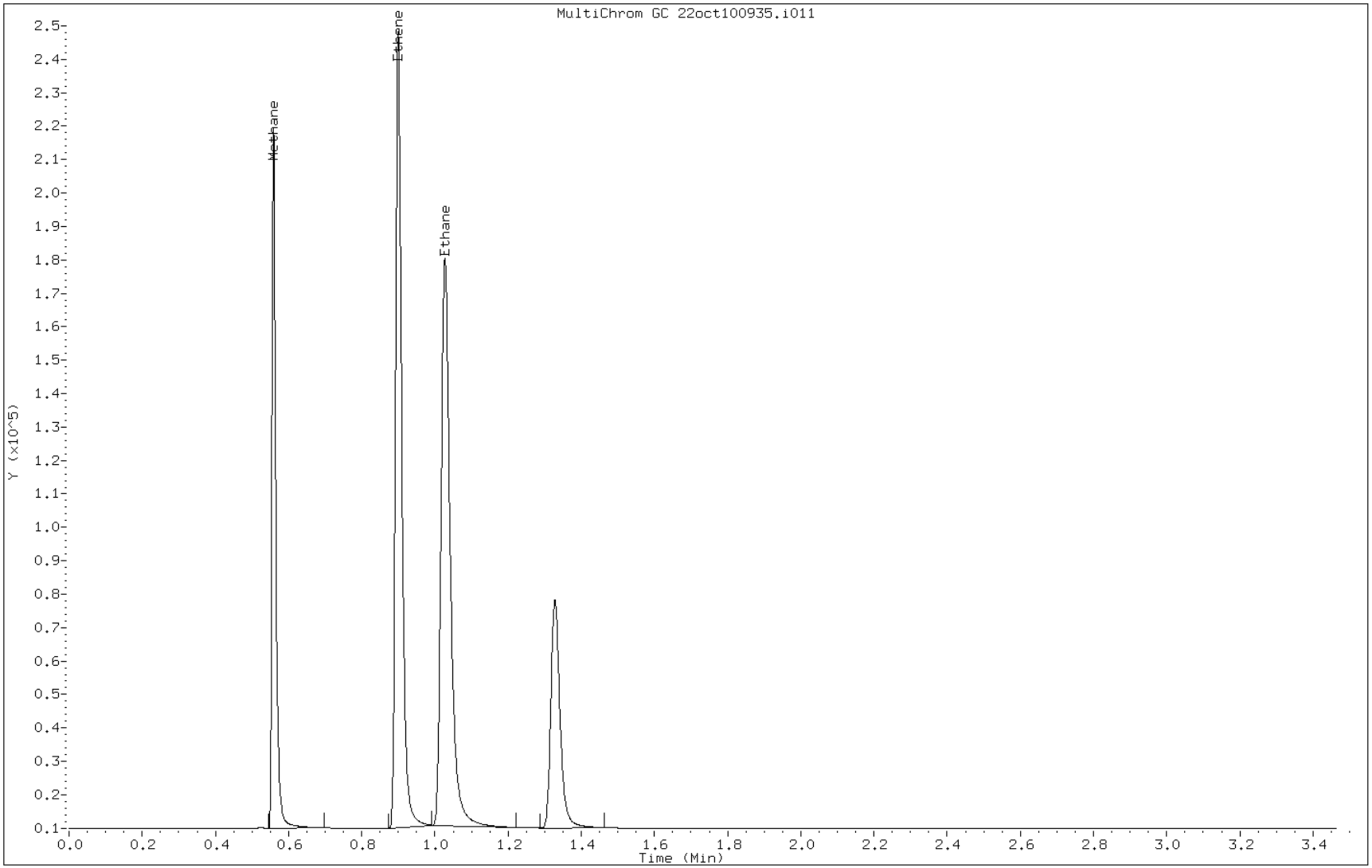
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Methane	0.559	0.575	-0.016	154804	73.0000	77(M)
2 Ethene	0.900	0.911	-0.011	283833	127.000	140
3 Ethane	1.027	1.036	-0.009	299378	136.000	140

QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct100935-r011.d	Date:	22-OCT-2010 09:52
Client ID:	CCVC	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	CCVC,1		
Lab Sample ID:	CCVC		



Manual Integration Report

Data File: 22oct100935-r011.d
Lab Sample ID: CCVC
Inj. Date and Time: 22-OCT-2010 09:52
Instrument ID: 2866_1.i
Client ID: CCVC
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

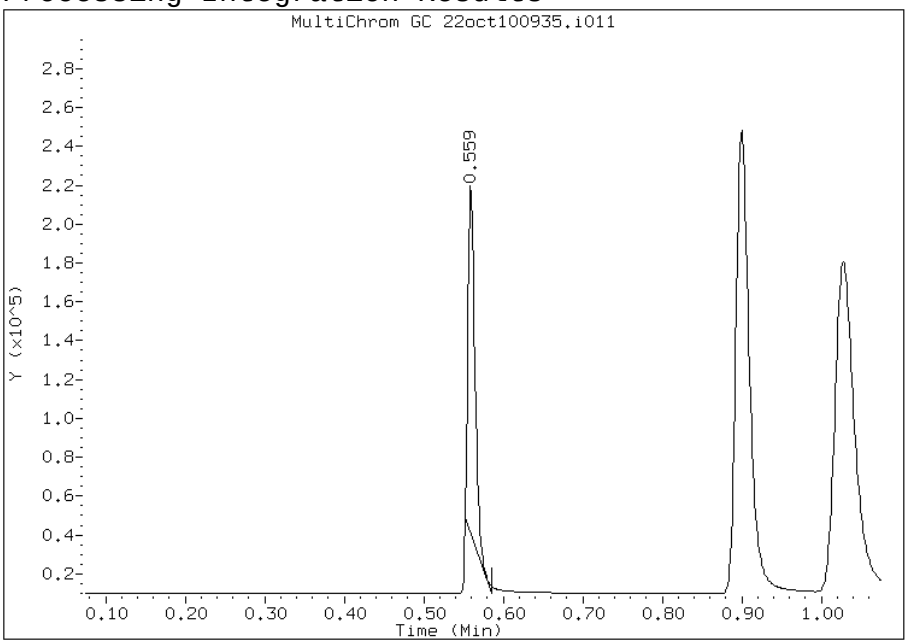
Processing Integration Results

RT: 0.56

Response: 108257

Amount: 54.18

Conc: 54.18



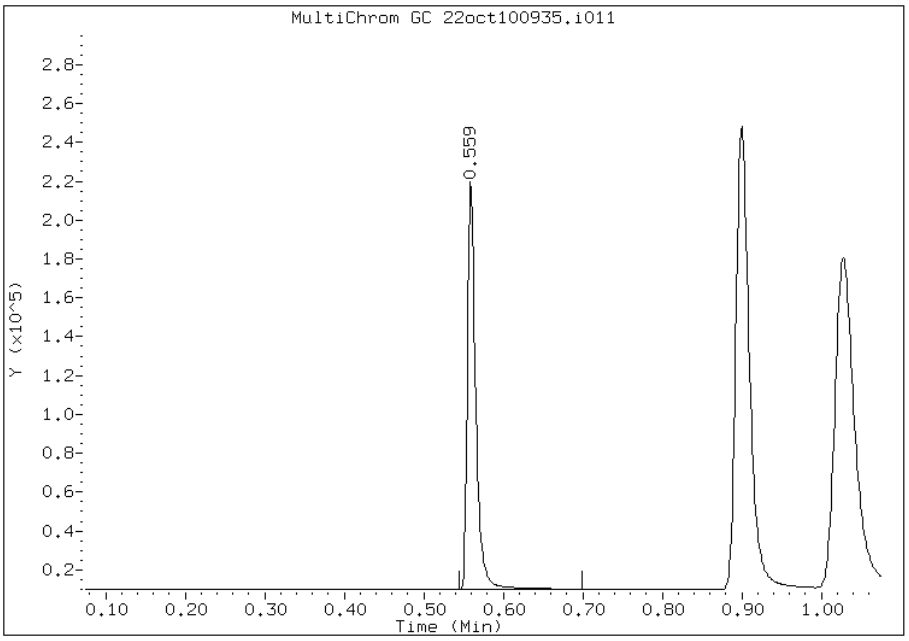
Manual Integration Results

RT: 0.56

Response: 154804

Amount: 77.48

Conc: 77.48



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-8248/3

Matrix: Water Lab File ID: 21oct101429-r021.d

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 14:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-82-8	Methane	2.0	U	2.0	2.0
74-84-0	Ethane	4.0	U	4.0	4.0
74-85-1	Ethylene	3.0	U	3.0	3.0

TestAmerica Burlington

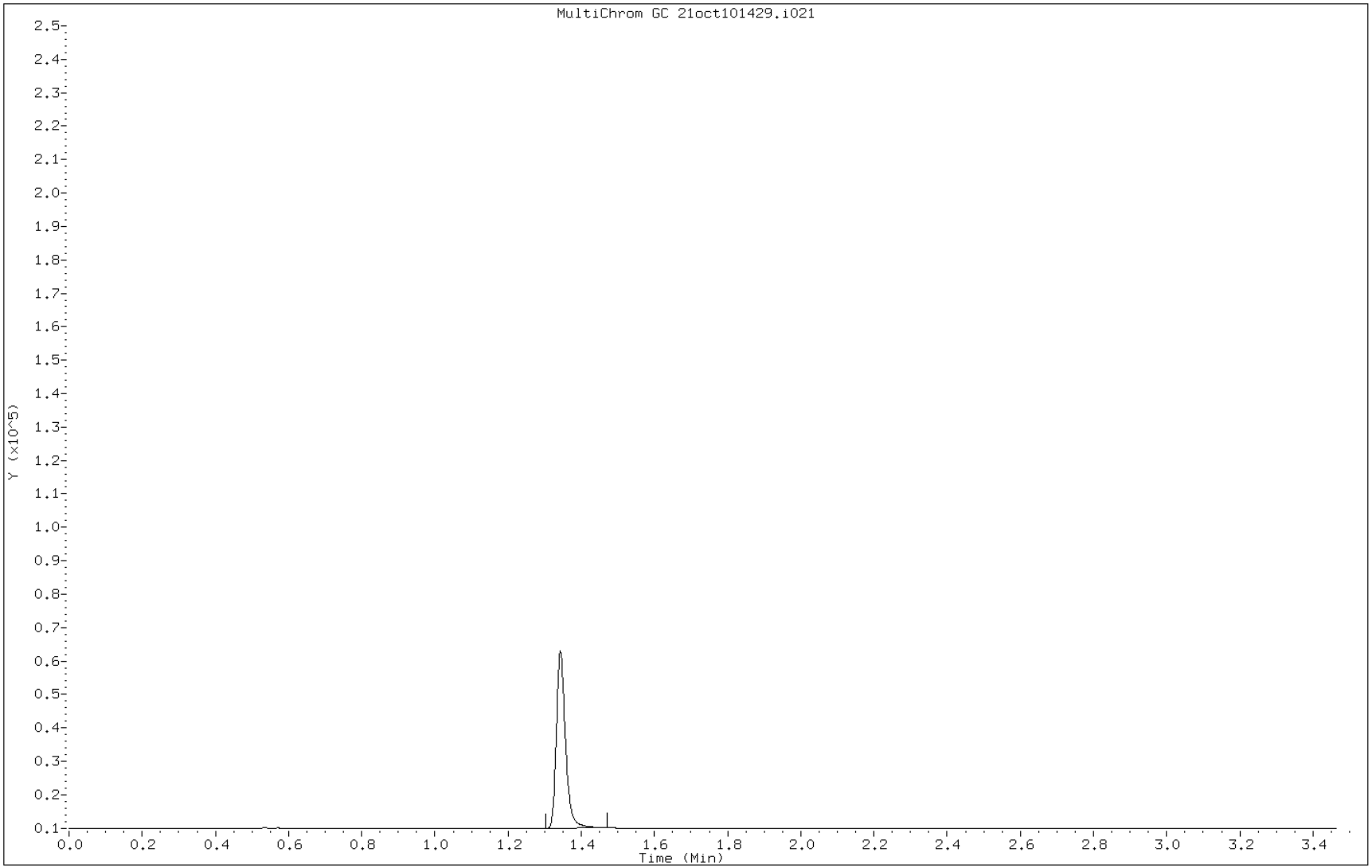
Data file : /var/chem/2866_1.i/051010_1/21OCT101353.b/21oct101429-r021.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 21-OCT-2010 14:46
Operator : PAD Inst ID: 2866_1.i
Smp Info : MB,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File:	21oct101429-r021.d	Date:	21-OCT-2010 14:46
Client ID:	MB	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	MB,1		
Lab Sample ID:	MB		



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-8248/2

Matrix: Water Lab File ID: 21oct101429-r011.d

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 18(mL) Date Analyzed: 10/21/2010 14:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RT-U-Plot ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 8248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
74-82-8	Methane	78.2		2.0	2.0
74-84-0	Ethane	143		4.0	4.0
74-85-1	Ethylene	135		3.0	3.0

TestAmerica Burlington

Data file : /var/chem/2866_1.i/051010_1/21OCT101353.b/21oct101429-r011.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 21-OCT-2010 14:42
Operator : PAD Inst ID: 2866_1.i
Smp Info : LCS,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/051010_1/21OCT101353.b/RSK175_2007.m
Meth Date : 22-Oct-2010 10:20 pd Quant Type: ESTD
Cal Date : 10-MAY-2010 16:30 Cal File: 10may101557-r051.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEtewo.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

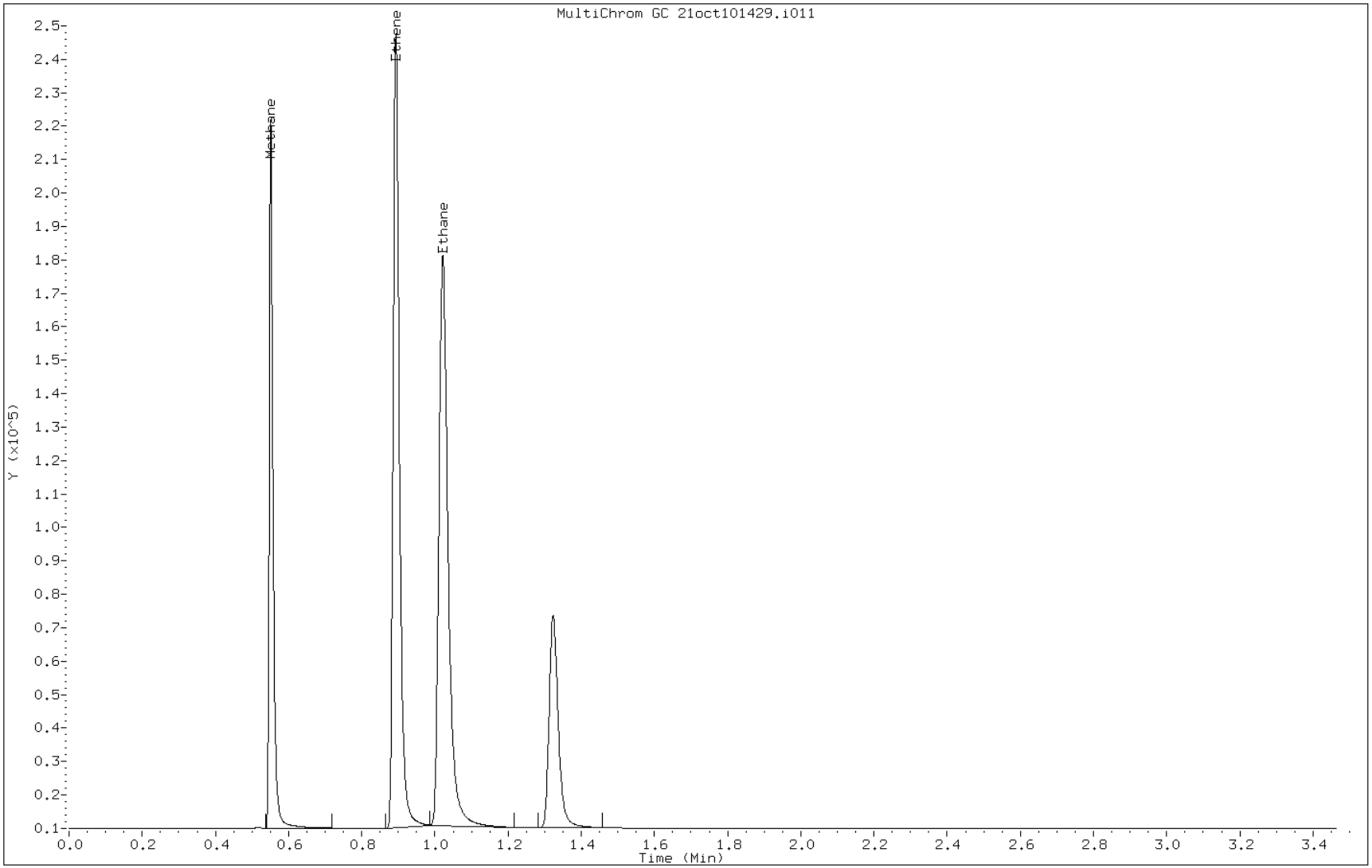
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.551	0.575	-0.024	156194	78.1720	78(M)
2 Ethene	0.893	0.911	-0.018	282287	134.911	130
3 Ethane	1.022	1.036	-0.014	300133	143.213	140

QC Flag Legend

M - Compound response manually integrated.

Data File:	21oct101429-r011.d	Date:	21-OCT-2010 14:42
Client ID:	LCS	Instrument:	2866_1.i
Operator:	PAD	Inj Vol:	100.0
Column Type:	RTUPLOT	Diameter:	0.53
Stationary Phase:	RTUPLOT		
Sample Info:	LCS,1		
Lab Sample ID:	LCS		



Manual Integration Report

Data File: 21oct101429-r011.d
Lab Sample ID: LCS
Inj. Date and Time: 21-OCT-2010 14:42
Instrument ID: 2866_1.i
Client ID: LCS
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 10/22/2010

Processing Integration Results

Not Detected

Expected RT: 0.57

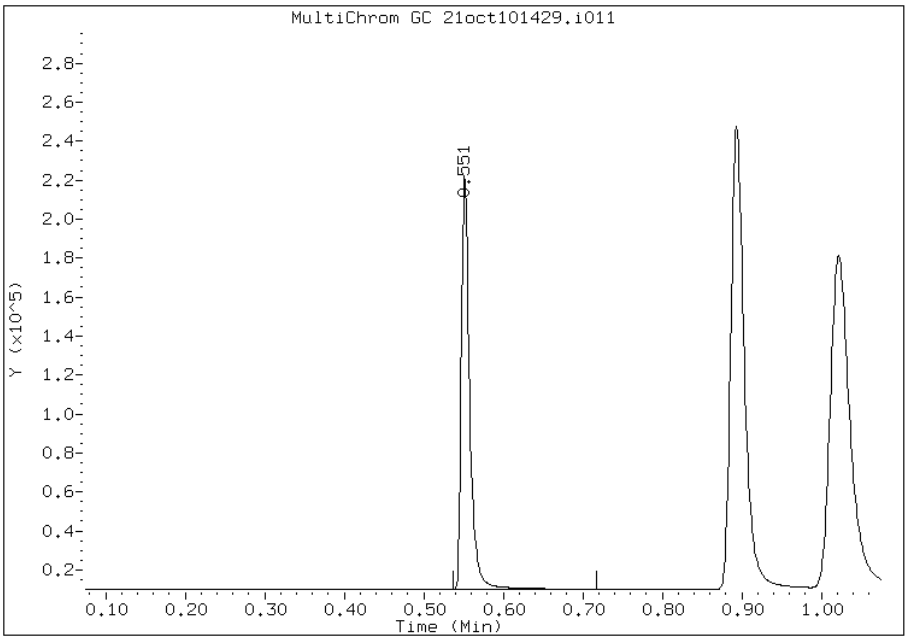
Manual Integration Results

RT: 0.55

Response: 156194

Amount: 78.17

Conc: 78.17



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Instrument ID: 2866.i Start Date: 05/10/2010 16:10

Analysis Batch Number: 4162 End Date: 05/10/2010 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 200-4162/1		05/10/2010 16:10	1	10may101557-r01 1.d	RT-U-Plot 0.53(mm)
IC 200-4162/2		05/10/2010 16:14	1	10may101557-r02 1.d	RT-U-Plot 0.53(mm)
ICRT 200-4162/3		05/10/2010 16:19	1	10may101557-r03 1.d	RT-U-Plot 0.53(mm)
IC 200-4162/4		05/10/2010 16:25	1	10may101557-r04 1.d	RT-U-Plot 0.53(mm)
IC 200-4162/5		05/10/2010 16:30	1	10may101557-r05 1.d	RT-U-Plot 0.53(mm)
ICV 200-4162/6		05/10/2010 16:35	1		RT-U-Plot 0.53(mm)

RSK-175

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 500-28652-1

SDG No.:

Instrument ID: 2866.i Start Date: 10/21/2010 14:10

Analysis Batch Number: 8248 End Date: 10/22/2010 09:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-8248/1		10/21/2010 14:10	1	21oct101353-r01 1.d	RT-U-Plot 0.53(mm)
LCS 200-8248/2		10/21/2010 14:42	1	21oct101429-r01 1.d	RT-U-Plot 0.53(mm)
MB 200-8248/3		10/21/2010 14:46	1	21oct101429-r02 1.d	RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 15:43	1		RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 15:48	1		RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 15:53	1		RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 15:59	1		RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 16:04	1		RT-U-Plot 0.53(mm)
ZZZZZ		10/21/2010 16:09	1		RT-U-Plot 0.53(mm)
500-28652-2	VLF-MW-2	10/21/2010 16:14	1	21oct101528-r07 1.d	RT-U-Plot 0.53(mm)
500-28652-3	VLF-MW-3	10/21/2010 16:19	1	21oct101528-r08 1.d	RT-U-Plot 0.53(mm)
500-28652-8	VLF-MW-7	10/21/2010 16:24	1	21oct101528-r09 1.d	RT-U-Plot 0.53(mm)
500-28652-11	VLF-MW-6	10/21/2010 16:30	1	21oct101528-r10 1.d	RT-U-Plot 0.53(mm)
ZZZZZ		10/22/2010 09:20	10		RT-U-Plot 0.53(mm)
CCVC 200-8248/15		10/22/2010 09:52	1	22oct100935-r01 1.d	RT-U-Plot 0.53(mm)

RSK-175

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG No.:

Project: Vulcan Louisville Fansteel

Client Sample ID	Lab Sample ID
VLF-MW-1	500-28652-1
VLF-MW-2	500-28652-2
VLF-MW-3	500-28652-3
VLF-MW-4	500-28652-4
VLF-MW-2 DUP	500-28652-5
OLD-MW-4	500-28652-6
VLF-MW-7	500-28652-8
VLF-MW-5	500-28652-10
VLF-MW-6	500-28652-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-1

Lab Sample ID: 500-28652-1

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/19/2010 10:00

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0037	0.010	0.0017	mg/L	J		1	6010B
7440-39-3	Barium	0.063	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00027	0.0020	0.00025	mg/L	J		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0032	0.0050	0.0017	mg/L	J	B	1	6010B
7782-49-2	Selenium	0.0028	0.010	0.0024	mg/L	J		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-2

Lab Sample ID: 500-28652-2

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/18/2010 15:45

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0047	0.010	0.0017	mg/L	J		1	6010B
7440-39-3	Barium	0.051	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0034	0.010	0.0014	mg/L	J		1	6010B
7439-92-1	Lead	0.030	0.0050	0.0017	mg/L		B	1	6010B
7782-49-2	Selenium	0.055	0.010	0.0024	mg/L			1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.056	0.20	0.051	ug/L	J		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-3

Lab Sample ID: 500-28652-3

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/18/2010 14:15

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0017	0.010	0.0017	mg/L	U		1	6010B
7440-39-3	Barium	0.067	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0021	0.0050	0.0017	mg/L	J	B	1	6010B
7782-49-2	Selenium	0.0024	0.010	0.0024	mg/L	U		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-4

Lab Sample ID: 500-28652-4

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/18/2010 18:10

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0088	0.010	0.0017	mg/L	J		1	6010B
7440-39-3	Barium	0.039	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0018	0.010	0.0014	mg/L	J		1	6010B
7439-92-1	Lead	0.0017	0.0050	0.0017	mg/L	U		1	6010B
7782-49-2	Selenium	0.019	0.010	0.0024	mg/L			1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.52	0.20	0.051	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-2 DUP
Lab Sample ID: 500-28652-5
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/18/2010 15:45
Reporting Basis: WET
Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0053	0.010	0.0017	mg/L	J		1	6010B
7440-39-3	Barium	0.051	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0036	0.010	0.0014	mg/L	J		1	6010B
7439-92-1	Lead	0.030	0.0050	0.0017	mg/L		B	1	6010B
7782-49-2	Selenium	0.053	0.010	0.0024	mg/L			1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.11	0.20	0.051	ug/L	J		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OLD-MW-4

Lab Sample ID: 500-28652-6

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/18/2010 18:00

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0017	0.010	0.0017	mg/L	U		1	6010B
7440-39-3	Barium	0.084	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0017	0.0050	0.0017	mg/L	U		1	6010B
7782-49-2	Selenium	0.0024	0.010	0.0024	mg/L	U		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-7

Lab Sample ID: 500-28652-8

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG ID.:

Matrix: Water

Date Sampled: 10/19/2010 13:00

Reporting Basis: WET

Date Received: 10/19/2010 13:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0017	0.010	0.0017	mg/L	U		1	6010B
7440-39-3	Barium	0.19	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0017	0.0050	0.0017	mg/L	U		1	6010B
7782-49-2	Selenium	0.0024	0.010	0.0024	mg/L	U		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-5
Lab Sample ID: 500-28652-10
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/19/2010 14:20
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0017	0.010	0.0017	mg/L	U		1	6010B
7440-39-3	Barium	0.10	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0022	0.0050	0.0017	mg/L	J	B	1	6010B
7782-49-2	Selenium	0.0024	0.010	0.0024	mg/L	U		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VLF-MW-6
Lab Sample ID: 500-28652-11
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/19/2010 13:30
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0017	0.010	0.0017	mg/L	U		1	6010B
7440-39-3	Barium	0.11	0.010	0.00090	mg/L			1	6010B
7440-43-9	Cadmium	0.00025	0.0020	0.00025	mg/L	U		1	6010B
7440-47-3	Chromium	0.0014	0.010	0.0014	mg/L	U		1	6010B
7439-92-1	Lead	0.0017	0.0050	0.0017	mg/L	U		1	6010B
7782-49-2	Selenium	0.0024	0.010	0.0024	mg/L	U		1	6010B
7440-22-4	Silver	0.00086	0.0050	0.00086	mg/L	U		1	6010B
7439-97-6	Mercury	0.051	0.20	0.051	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

ICV Source: M10JICVIC_00001 Concentration Units: mg/L

CCV Source: M10JCCVIC_00001

Analyte	ICV 500-98367/10 10/28/2010 09:00				CCV 500-98367/15 10/28/2010 09:31				CCV 500-98367/27 10/28/2010 10:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.406		0.400	101	0.510		0.500	102	0.513		0.500	103
Barium	0.399		0.400	100	0.498		0.500	100	0.508		0.500	102
Cadmium	0.393		0.400	98	0.499		0.500	100	0.497		0.500	99
Chromium	0.395		0.400	99	0.500		0.500	100	0.496		0.500	99
Lead	0.398		0.400	99	0.499		0.500	100	0.497		0.500	99
Selenium	0.397		0.400	99	0.501		0.500	100	0.505		0.500	101
Silver	0.401		0.400	100	0.504		0.500	101	0.506		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

ICV Source: M10JICVIC_00001 Concentration Units: mg/L

CCV Source: M10JCCVIC_00001

Analyte	CCV 500-98367/39 10/28/2010 12:04											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.519		0.500	104								
Barium	0.515		0.500	103								
Cadmium	0.494		0.500	99								
Chromium	0.496		0.500	99								
Lead	0.501		0.500	100								
Selenium	0.507		0.500	101								
Silver	0.508		0.500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

ICV Source: M10CSTKHG_00001 Concentration Units: ug/L

CCV Source: M10CSTKHG_00001

Analyte	ICV 500-98134/8 10/26/2010 10:29				CCV 500-98134/42 10/26/2010 12:12				CCV 500-98134/51 10/26/2010 12:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	1.93		2.00	97	0.865		1.00	86	0.861		1.00	86

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

ICV Source: M10CSTKHG_00001 Concentration Units: ug/L

CCV Source: M10CSTKHG_00001

Analyte	CCV 500-98134/63 10/26/2010 13:10				CCV 500-98134/72 10/26/2010 13:35							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	1.05		1.00	105	0.875		1.00	88				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Analysis Method: 6010B Instrument ID: ICP5

Lab Sample ID: CRI 500-98367/12 Concentration Units: mg/L

CRQL Check Standard Source: M10JCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0200	0.0190		95	50-150
Barium	0.0200	0.0204		102	50-150
Cadmium	0.00400	0.00404		101	50-150
Chromium	0.0200	0.0237		119	50-150
Lead	0.0100	0.0118		118	50-150
Selenium	0.0200	0.0205		103	50-150
Silver	0.0100	0.00976		98	50-150

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Analysis Method: 7470A Instrument ID: HG5

Lab Sample ID: CRA 500-98134/10 Concentration Units: ug/L

CRQL Check Standard Source: M09LSTKHG_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.114	J	57	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 500-98367/11 10/28/2010 09:06		CCB 500-98367/16 10/28/2010 09:37		CCB 500-98367/28 10/28/2010 10:54		CCB 500-98367/40 10/28/2010 12:11	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.010	0.0050	U	0.0050	U	0.0050	U	0.0050	U
Barium	0.010	0.0050	U	0.0050	U	0.0050	U	0.0050	U
Cadmium	0.0020	0.0010	U	0.0010	U	0.0010	U	0.0010	U
Chromium	0.010	0.0050	U	0.0050	U	0.0050	U	0.0050	U
Lead	0.0050	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Selenium	0.010	0.0050	U	0.0050	U	0.0050	U	0.0050	U
Silver	0.0050	0.0025	U	0.0025	U	0.0025	U	0.0025	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 500-98134/9 10/26/2010 10:32		CCB 500-98134/43 10/26/2010 12:15		CCB 500-98134/52 10/26/2010 12:40		CCB 500-98134/64 10/26/2010 13:13	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.051	U	0.051	U	0.051	U	0.051	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 500-98134/73 10/26/2010 13:37							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.051	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 500-98197/1-A

Instrument Code: ICP5 Batch No.: 98367

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.0017	U		6010B
7440-39-3	Barium	0.00090	U		6010B
7440-43-9	Cadmium	0.00025	U		6010B
7440-47-3	Chromium	0.0014	U		6010B
7439-92-1	Lead	0.00188	J		6010B
7782-49-2	Selenium	0.0024	U		6010B
7440-22-4	Silver	0.00086	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 500-98043/7-A

Instrument Code: HG5 Batch No.: 98134

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.051	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: ICSA 500-98367/13 Instrument ID: ICP5

Lab File ID: P51028A ICS Source: M10JISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0014**	
Barium		**0.0021**	
Cadmium		**0.0005**	
Chromium		**0.0054**	
Lead		**0.0037**	
Selenium		**-0.0029**	
Silver		**0.0001**	
Aluminum	*500*	*489*	*98*
Antimony		*0.0022*	
Beryllium		*0.0000*	
Boron		*0.0024*	
Calcium	*500*	*476*	*95*
Cobalt		*0.0007*	
Copper		*-0.0032*	
Iron	*200*	*190*	*95*
Magnesium	*500*	*503*	*101*
Manganese		*-0.0031*	
Molybdenum		*0.0026*	
Nickel		*0.0008*	
Potassium		*-0.0017*	
Silicon		*0.0073*	
SiO2, Silica		*0.0156*	
Sodium		*0.0262*	
Strontium		*0.0113*	
Thallium		*0.0017*	
Tin		*-0.0054*	
Titanium		*0.0009*	
Vanadium		*0.0025*	
Zinc		*-0.0004*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Lab Sample ID: ICSAB 500-98367/14 Instrument ID: ICP5

Lab File ID: P51028A ICS Source: M10JISBIC_00001

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**0.100**	**0.103**	**103**
Barium	**0.500**	**0.484**	**97**
Cadmium	**1.00**	**0.916**	**92**
Chromium	**0.500**	**0.487**	**97**
Lead	**0.0500**	**0.0522**	**104**
Selenium	**0.0500**	**0.0448**	**90**
Silver	**0.200**	**0.219**	**110**
Aluminum	*500*	*497*	*99*
Antimony	*0.600*	*0.614*	*102*
Beryllium	*0.500*	*0.485*	*97*
Boron		*0.0029*	
Calcium	*500*	*481*	*96*
Cobalt	*0.500*	*0.464*	*93*
Copper	*0.500*	*0.548*	*110*
Iron	*200*	*193*	*96*
Magnesium	*500*	*509*	*102*
Manganese	*0.500*	*0.496*	*99*
Molybdenum		*0.0017*	
Nickel	*1.00*	*0.895*	*89*
Potassium		*-0.0020*	
Silicon		*0.0162*	
SiO2, Silica		*0.0346*	
Sodium		*0.0269*	
Strontium		*0.0115*	
Thallium	*0.100*	*0.0985*	*98*
Tin		*-0.0056*	
Titanium		*0.0009*	
Vanadium	*0.500*	*0.497*	*99*
Zinc	*1.00*	*0.877*	*88*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OLD-MW-4 MS

Lab ID: 500-28652-6 MS

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG No.:

Matrix: Water

Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	0.0943		0.0017	U	0.100	94	75-125		6010B
Barium	2.01		0.084		2.00	96	75-125		6010B
Cadmium	0.0469		0.00025	U	0.0500	94	75-125		6010B
Chromium	0.193		0.0014	U	0.200	97	75-125		6010B
Lead	0.0963		0.0017	U	0.100	96	75-125		6010B
Selenium	0.0860		0.0024	U	0.100	86	75-125		6010B
Silver	0.0477		0.00086	U	0.0500	95	75-125		6010B

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OLD-MW-4 MS

Lab ID: 500-28652-6 MS

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG No.:

Matrix: Water

Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.931		0.051	U	1.00	93	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: OLD-MW-4 MSD

Lab ID: 500-28652-6 MSD

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG No.:

Matrix: Water

Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	0.0956		0.100	96	75-125	1	20		6010B
Barium	2.05		2.00	98	75-125	2	20		6010B
Cadmium	0.0470		0.0500	94	75-125	0	20		6010B
Chromium	0.194		0.200	97	75-125	0	20		6010B
Lead	0.0981		0.100	98	75-125	2	20		6010B
Selenium	0.0877		0.100	88	75-125	2	20		6010B
Silver	0.0483		0.0500	97	75-125	1	20		6010B

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: OLD-MW-4 MSD

Lab ID: 500-28652-6 MSD

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG No.:

Matrix: Water

Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.933		1.00	93	75-125	0	20		7470A

SDR = Sample Duplicate Result

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

FORM VD - IN

6-IN
DUPLICATES
METALS

Client ID: OLD-MW-4 DU
Lab ID: 500-28652-6 DU
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG No.:
% Solids for Sample:
% Solids for Duplicate:
Matrix: Water
Concentration Units: mg/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	0.010	0.0017	U	0.0017	U	NC		6010B
Barium	0.010	0.084		0.0891		6		6010B
Cadmium	0.0020	0.00025	U	0.00025	U	NC		6010B
Chromium	0.010	0.0014	U	0.0014	U	NC		6010B
Lead	0.0050	0.0017	U	0.0017	U	NC		6010B
Selenium	0.010	0.0024	U	0.0024	U	NC		6010B
Silver	0.0050	0.00086	U	0.00086	U	NC		6010B

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: OLD-MW-4 DU

Lab ID: 500-28652-6 DU

Lab Name: TestAmerica Chicago

Job No.: 500-28652-1

SDG No.:

% Solids for Sample:

% Solids for Duplicate:

Matrix: Water

Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.051	U	0.051	U	NC		7470A

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 500-98197/2-A

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

Sample Matrix: Water LCS Source: M10ISPKIC_00001

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	0.100	0.0940		94	80	120		6010B
Barium	2.00	1.98		99	80	120		6010B
Cadmium	0.0500	0.0502		100	80	120		6010B
Chromium	0.200	0.207		103	80	120		6010B
Lead	0.100	0.101		101	80	120		6010B
Selenium	0.100	0.0881		88	80	120		6010B
Silver	0.0500	0.0491		98	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 500-98043/8-A

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

Sample Matrix: Water LCS Source: M10CSTKHG_00001

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.00	2.01		100	80	120		7470A

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 500-28652-6

SDG No:

Lab Name: TestAmerica Chicago Job No: 500-28652-1

Matrix: Water Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.0017	U	0.0084	U	NC		6010B
Barium	0.084		0.0846		0.37		6010B
Cadmium	0.00025	U	0.0013	U	NC		6010B
Chromium	0.0014	U	0.0072	U	NC		6010B
Lead	0.0017	U	0.0083	U	NC		6010B
Selenium	0.0024	U	0.012	U	NC		6010B
Silver	0.00086	U	0.0043	U	NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: ICP5

Analysis Method: 6010B MDL Date: 07/15/2010 16:17

Prep Method: 3010A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.01	0.00167
Barium		0.01	0.000903
Cadmium		0.002	0.000251
Chromium		0.01	0.00143
Lead		0.005	0.00166
Selenium		0.01	0.00245
Silver		0.005	0.000857

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: ICP5

Analysis Method: 6010B XMDL Date: 05/25/2006 09:07

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.01	0.005
Barium		0.01	0.005
Cadmium		0.002	0.001
Chromium		0.01	0.005
Lead		0.005	0.0025
Selenium		0.01	0.005
Silver		0.005	0.0025

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: HG5

Analysis Method: 7470A MDL Date: 10/11/2010 10:25

Prep Method: 7470A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.051

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: HG5

Analysis Method: 7470A XMDL Date: 10/11/2010 10:25

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.051

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10A

ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO_____ Contract: _____

Lab Code: __ Case No.: _____ SAS No.: _____ SDG No :500-28652

ICP ID Number: ICP5_____ Date: 10/26/10

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	BE_
Aluminum_	308.22	0.0183470	0.0000000	-0.0000250	0.0000000	0.0000000
Antimony_	206.841	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	189.04	0.0000020	0.0000000	-0.0000070	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000030	0.0000000	0.0001160	0.0000000	0.0000000
Calcium__	317.93	0.0000000	0.0000000	0.0000107	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0000000	-0.0000030	0.0000000	0.0000000
Cobalt___	228.62	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Copper___	324.75	-0.0000070	0.0000000	0.0000040	0.0000000	0.0000000
Iron____	271.44	0.0000300	0.0000180	0.0000000	-0.0001310	0.0000000
Lead____	220.351	0.0004250	0.0000000	0.0000910	0.0000180	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0001420	0.0000000	0.0000000
Manganese	257.61	0.0000060	0.0000000	-0.0000280	0.0000200	0.0000000
Mercury__						
Nickel___	231.60	0.0000000	0.0000000	-0.0000020	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.021	-0.0000000	0.0000000	0.0000230	0.0000000	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium___	589.00	0.0000000	0.0000000	-0.0119100	0.0000000	0.0000000
Thallium_	190.80	-0.0000190	0.0000020	-0.0000930	0.0000000	0.0000000
Tin_____	189.99	-0.0000090	0.0000000	-0.0000800	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	0.0000000	-0.0000050	0.0000120	0.0000000
Zinc____	213.86	0.0000060	0.0000020	0.0000120	0.0000010	0.0000000
Lead____	220.352	-0.0001720	0.0000000	0.0000430	0.0000040	0.0000000
Antimony_	206.832	0.0000070	0.0000000	0.0000120	0.0000000	0.0000000
Selenium_	196.022	-0.0000130	0.0000000	-0.0004340	0.0000000	0.0000000
Silicon__	288.16	0.0000014	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	-0.0000110	0.0000000	-0.0002580	0.0000000	0.0000000
Titanium_	334.94	0.0000000	-0.0000190	0.0000000	0.0000010	0.0000000
Sodium___	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000360	0.0000000	0.0000000	0.0000000

Comments:

FORM XI (Part 1) - IN ILM04.0

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO Contract: _____

Lab Code: ___ Case No.: _____ SAS No.: _____ SDG No.:500-28652

ICP ID Number: ICP5_____ Date: 10/26/10

Analyte	Wave-length (nm)	Interelement Correction Factors for : CO_	CR_	CU_	MN_	MO_
Aluminum	308.22	-0.0160790	0.0000000	0.0000000	0.0000000	-0.0140280
Antimony	206.841	0.0000000	0.00553400	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	-0.0000330	0.0000000	0.0000000	-0.0006650
Boron	249.68	0.0008990	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000720	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000030	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0819600	0.0132450	0.0000000	-0.0005016	0.0016890
Lead	220.351	0.0005170	0.0000140	0.0000000	0.0000000	-0.0006310
Magnesium	279.08	-0.0009540	0.0000000	0.0000000	-0.0091060	-0.0133340
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0003740
Mercury						
Nickel	231.60	-0.0001470	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0001240	0.0000000	0.0000000	-0.0002590	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0021740	0.0002690	0.0000000	0.0001214	-0.0015930
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0026840	0.0000000	0.0000000	-0.0033510
Zinc	206.20	0.0000460	0.0001950	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000040	0.0000060	0.0000000	0.0000000	-0.0012510
Antimony	206.842	0.0000000	0.0094260	0.0000000	0.0000000	-0.0000000
Selenium	196.022	-0.0007340	0.0000000	0.0000000	0.0005380	0.0000000
Silicon	288.16	0.0000000	-0.0039650	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	-0.0001460	0.0000000	-0.0000100	0.0000000	0.0000000
Titanium	334.94	0.0000000	0.0001910	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XI (Part 2) - IN ILM04.0

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO Contract: _____

Lab Code: __ Case No.: _____ SAS No.: _____ SDG No.:500-28652

ICP ID Number: ICP5_____ Date: 10/26/10

Analyte	Wave-length (nm)	Interelement Correction Factors for : NI_	SN_	TI_	V__	ZN_
Aluminum_	308.22__	0.0000000	0.0000000	0.0000000	-0.0119770	0.0000000
Antimony_	206.841_	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	189.04__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04__	0.0000000	0.0000000	-0.0002150	0.0001770	0.0000000
Cadmium__	226.50__	-0.0000690	0.0000000	0.0000000	0.0000000	0.0000000
Calcium__	317.93__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.72__	0.0000000	0.0000000	0.0000000	0.0000760	0.0000000
Cobalt___	228.62__	0.0002380	0.0000000	0.0017020	0.0000000	0.0000000
Copper___	324.75__	0.0000000	0.0000000	0.0000000	-0.0002140	0.0000000
Iron____	271.44__	0.0000000	0.0000000	-0.0073890	0.0152910	0.0000000
Lead____	220.351_	0.0003000	0.0000000	0.0000000	-0.0000060	0.0000000
Magnesium	279.08__	0.0000000	0.0000000	-0.0024680	0.0000000	0.0000000
Manganese	257.61__	0.0000000	0.0000000	0.0000000	-0.0001610	0.0000000
Mercury__						
Nickel___	231.60__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.021_	0.0000060	0.0000000	0.0000000	0.0002260	0.0000000
Silver___	328.07__	0.0000000	0.0000000	0.0000000	0.0003060	0.0000000
Sodium___	589.00__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	190.86__	0.0000000	0.0000000	0.0001750	0.0011460	0.0000000
Tin_____	189.99__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium_	292.40__	0.0000000	0.0000000	0.0006440	0.0000000	0.0000000
Zinc____	206.20__	-0.0000640	0.0000000	0.0002010	0.0000330	0.0000000
Lead____	220.352_	0.0002270	0.0000000	-0.0008860	-0.0001300	0.0000000
Antimony_	206.842_	0.0000000	0.0000000	0.0000000	-0.0000000	0.0000000
Selenium_	196.022_	0.0000000	0.0000000	0.0000000	-0.0000590	0.0000000
Silicon__	288.16__	0.0000000	0.0094050	0.0326090	0.0004060	0.0000000
Molybdenm	202.03__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium_	334.94__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium___	330.23__	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO Contract: _____

Lab Code: __ Case No.: _____ SAS No.: _____ SDG No.:500-28652

ICP ID Number: ICP5_____ Date: 10/26/10

Analyte	Wave-length (nm)	Interelement Correction Factors for : SB_	SI_	NA_	TL_	CD_
Aluminum	308.22	0.0014890	0.0000000	0.00000000	0.0000000	0.00000000
Antimony	206.841	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Arsenic	189.04	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Boron	249.68	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Barium	493.41	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Beryllium	313.04	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Cadmium	226.50	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Calcium	317.93	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Chromium	267.72	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Cobalt	228.62	0.0000000	0.0000000	0.00000000	0.0000000	-.00079100
Copper	324.75	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Iron	271.44	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Lead	220.351	0.0000000	0.0000000	0.00000000	0.0000000	-.00163000
Magnesium	279.08	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Manganese	257.61	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Mercury						
Nickel	231.60	-0.0001020	0.0000000	0.00000000	0.0000000	0.00000000
Potassium	766.49	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Selenium	196.021	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Silver	328.07	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Sodium	589.00	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Thallium	190.86	0.0000000	0.0000000	0.00004100	0.0000000	0.00000000
Tin	190.99	-0.0015800	0.0000000	0.00021100	0.0000000	0.00000000
Vanadium	292.40	0.0000000	0.0000000	0.00000000	0.0005881	0.00000000
Zinc	206.20	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Lead	220.352	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Antimony	206.842	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Selenium	196.022	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Silicon	288.16	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Molybdenm	202.03	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Titanium	334.94	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Strontium	421.55	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Sodium	330.23	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000

Comments:

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Chicago Job No: 500-28652-1

SDG No.:

Instrument ID: ICP5 Date: 08/07/2009 14:16

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		10.0	6010B
Barium		20.0	6010B
Cadmium		10.0	6010B
Chromium		50.0	6010B
Lead		50.0	6010B
Selenium		10.0	6010B
Silver		5.0	6010B

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Chicago Job No: 500-28652-1

SDG No.:

Instrument ID: HG5 Date: 03/01/2008 11:18

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		5.0	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 500-98197/1-A	10/27/2010 08:00	98197		50	50
LCS 500-98197/2-A	10/27/2010 08:00	98197		50	50
500-28652-1	10/27/2010 08:00	98197		50	50
500-28652-2	10/27/2010 08:00	98197		50	50
500-28652-3	10/27/2010 08:00	98197		50	50
500-28652-4	10/27/2010 08:00	98197		50	50
500-28652-5	10/27/2010 08:00	98197		50	50
500-28652-6	10/27/2010 08:00	98197		50	50
500-28652-6 DU	10/27/2010 08:00	98197		50	50
500-28652-6 MS	10/27/2010 08:00	98197		50	50
500-28652-6 MSD	10/27/2010 08:00	98197		50	50
500-28652-8	10/27/2010 08:00	98197		50	50
500-28652-10	10/27/2010 08:00	98197		50	50
500-28652-11	10/27/2010 08:00	98197		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Preparation Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 500-98043/7-A	10/26/2010 07:15	98043		25	25
LCS 500-98043/8-A	10/26/2010 07:15	98043		25	25
500-28652-1	10/26/2010 07:15	98043		25	25
500-28652-2	10/26/2010 07:15	98043		25	25
500-28652-3	10/26/2010 07:15	98043		25	25
500-28652-4	10/26/2010 07:15	98043		25	25
500-28652-5	10/26/2010 07:15	98043		25	25
500-28652-6	10/26/2010 07:15	98043		25	25
500-28652-6 DU	10/26/2010 07:15	98043		25	25
500-28652-6 MS	10/26/2010 07:15	98043		25	25
500-28652-6 MSD	10/26/2010 07:15	98043		25	25
500-28652-8	10/26/2010 07:15	98043		25	25
500-28652-10	10/26/2010 07:15	98043		25	25
500-28652-11	10/26/2010 07:15	98043		25	25

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: ICP5 Method: 6010B

Start Date: 10/28/2010 08:07 End Date: 10/28/2010 13:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			08:07																				
ZZZZZZ			08:14																				
ZZZZZZ			08:20																				
ZZZZZZ			08:26																				
ZZZZZZ			08:32																				
ZZZZZZ			08:37																				
ZZZZZZ			08:43																				
ZZZZZZ			08:48																				
ZZZZZZ			08:54																				
ICV 500-98367/10	1		09:00	X	X	X	X	X	X	X													
ICB 500-98367/11	1		09:06	X	X	X	X	X	X	X													
CRI 500-98367/12	1		09:12	X	X	X	X	X	X	X													
ICSA 500-98367/13	1		09:19	X	X	X	X	X	X	X													
ICSAB 500-98367/14	1		09:25	X	X	X	X	X	X	X													
CCV 500-98367/15	1		09:31	X	X	X	X	X	X	X													
CCB 500-98367/16	1		09:37	X	X	X	X	X	X	X													
MB 500-98197/1-A	1	T	09:44	X	X	X	X	X	X	X													
LCS 500-98197/2-A	1	T	09:50	X	X	X	X	X	X	X													
500-28652-1	1	T	09:56	X	X	X	X	X	X	X													
500-28652-2	1	T	10:02	X	X	X	X	X	X	X													
500-28652-3	1	T	10:08	X	X	X	X	X	X	X													
500-28652-4	1	T	10:15	X	X	X	X	X	X	X													
500-28652-5	1	T	10:21	X	X	X	X	X	X	X													
500-28652-6	1	T	10:27	X	X	X	X	X	X	X													
500-28652-6 SD	5	T	10:33	X	X	X	X	X	X	X													
500-28652-6 DU	1	T	10:39	X	X	X	X	X	X	X													
CCV 500-98367/27	1		10:48	X	X	X	X	X	X	X													
CCB 500-98367/28	1		10:54	X	X	X	X	X	X	X													
500-28652-6 MS	1	T	11:00	X	X	X	X	X	X	X													
500-28652-6 MSD	1	T	11:06	X	X	X	X	X	X	X													
500-28652-8	1	T	11:13	X	X	X	X	X	X	X													
500-28652-10	1	T	11:19	X	X	X	X	X	X	X													
500-28652-11	1	T	11:25	X	X	X	X	X	X	X													
ZZZZZZ			11:31																				
ZZZZZZ			11:37																				
ZZZZZZ			11:44																				
ZZZZZZ			11:50																				
ZZZZZZ			11:56																				
CCV 500-98367/39	1		12:04	X	X	X	X	X	X	X													
CCB 500-98367/40	1		12:11	X	X	X	X	X	X	X													
ZZZZZZ			12:17																				
ZZZZZZ			12:23																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: ICP5 Method: 6010B

Start Date: 10/28/2010 08:07 End Date: 10/28/2010 13:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			12:29																				
ZZZZZZ			12:35																				
ZZZZZZ			12:42																				
ZZZZZZ			12:48																				
ZZZZZZ			12:54																				
CCV 500-98367/48			13:02																				
CCB 500-98367/49			13:10																				
ZZZZZZ			13:16																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: HG5 Method: 7470A

Start Date: 10/26/2010 10:10 End Date: 10/26/2010 13:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 500-98134/1 IC			10:10	X																			
STD02REP1 500-98134/2 IC			10:12	X																			
STD03REP1 500-98134/3 IC			10:15	X																			
STD04REP1 500-98134/4 IC			10:18	X																			
STD05REP1 500-98134/5 IC			10:21	X																			
STD06REP1 500-98134/6 IC			10:24	X																			
ZZZZZZ			10:27																				
ICV 500-98134/8	1		10:29	X																			
ICB 500-98134/9	1		10:32	X																			
CRA 500-98134/10	1		10:34	X																			
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
ZZZZZZ			10:42																				
ZZZZZZ			10:45																				
ZZZZZZ			10:48																				
ZZZZZZ			10:51																				
ZZZZZZ			10:53																				
ZZZZZZ			10:56																				
ZZZZZZ			10:59																				
ZZZZZZ			11:02																				
CCV 500-98134/21			11:08																				
CCB 500-98134/22			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
ZZZZZZ			11:19																				
ZZZZZZ			11:28																				
ZZZZZZ			11:31																				
ZZZZZZ			11:34																				
ZZZZZZ			11:36																				
ZZZZZZ			11:40																				
ZZZZZZ			11:42																				
ZZZZZZ			11:45																				
CCV 500-98134/33			11:47																				
CCB 500-98134/34			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:56																				
ZZZZZZ			11:59																				
ZZZZZZ			12:01																				
ZZZZZZ			12:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: HG5 Method: 7470A

Start Date: 10/26/2010 10:10 End Date: 10/26/2010 13:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
CCV 500-98134/42	1		12:12	X																			
CCB 500-98134/43	1		12:15	X																			
MB 500-98043/7-A	1	T	12:18	X																			
LCS 500-98043/8-A	1	T	12:20	X																			
ZZZZZZ			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
CCV 500-98134/51	1		12:37	X																			
CCB 500-98134/52	1		12:40	X																			
ZZZZZZ			12:42																				
ZZZZZZ			12:45																				
ZZZZZZ			12:48																				
ZZZZZZ			12:50																				
ZZZZZZ			12:53																				
500-28652-1	1	T	12:56	X																			
500-28652-2	1	T	12:58	X																			
500-28652-3	1	T	13:02	X																			
500-28652-4	1	T	13:05	X																			
500-28652-5	1	T	13:07	X																			
CCV 500-98134/63	1		13:10	X																			
CCB 500-98134/64	1		13:13	X																			
500-28652-6	1	T	13:16	X																			
500-28652-6 DU	1	T	13:18	X																			
500-28652-6 MS	1	T	13:21	X																			
500-28652-6 MSD	1	T	13:24	X																			
500-28652-8	1	T	13:26	X																			
500-28652-10	1	T	13:29	X																			
500-28652-11	1	T	13:32	X																			
CCV 500-98134/72	1		13:35	X																			
CCB 500-98134/73	1		13:37	X																			

Prep Types
D = Dissolved
T = Total/NA

Analysis Report Summary 10/28/10 01:23:37 PM page 1

Run #1

98367

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	S0	P51028A	P51028A	10/28/10	08:07		X	IR
2	S1A	P51028A	P51028A	10/28/10	08:14		X	IR
3	S1B	P51028A	P51028A	10/28/10	08:20		X	IR
4	S1	P51028A	P51028A	10/28/10	08:26		X	IR
5	S2	P51028A	P51028A	10/28/10	08:32		X	IR
6	S2A	P51028A	P51028A	10/28/10	08:37		X	IR
7	S2B	P51028A	P51028A	10/28/10	08:43		X	IR
8	S1	P51028A	P51028A	10/28/10	08:48	TDS	Q	CONC
9	S2	P51028A	P51028A	10/28/10	08:54	TDS	Q	CONC
10	ICV	P51028A	P51028A	10/28/10	09:00	TDS	Q	CONC
11	ICB	P51028A	P51028A	10/28/10	09:06	TDS	Q	CONC
12	CRI	P51028A	P51028A	10/28/10	09:12	TDS	Q	CONC
13	ICSA	P51028A	P51028A	10/28/10	09:19	TDS	Q	CONC
14	ICSAB	P51028A	P51028A	10/28/10	09:25	TDS	Q	CONC
15	CCV	P51028A	P51028A	10/28/10	09:31	TDS	Q	CONC
16	CCB	P51028A	P51028A	10/28/10	09:37	TDS	Q	CONC
17	MB 500-98197/1-A	P51028A	P51028A	10/28/10	09:44	TDS	S	CONC
18	LCS 500-98197/2-A	P51028A	P51028A	10/28/10	09:50	TDS	S	CONC
19	28652-G-1-B RCRA	P51028A	P51028A	10/28/10	09:56	TDS	S	CONC
20	28652-H-2-B	P51028A	P51028A	10/28/10	10:02	TDS	S	CONC
21	28652-H-3-B	P51028A	P51028A	10/28/10	10:08	TDS	S	CONC
22	28652-G-4-B	P51028A	P51028A	10/28/10	10:15	TDS	S	CONC
23	28652-D-5-B	P51028A	P51028A	10/28/10	10:21	TDS	S	CONC
24	28652-G-6-E	P51028A	P51028A	10/28/10	10:27	TDS	S	CONC
25	28652-G-6-E SD @5	P51028A	P51028A	10/28/10	10:33	TDS	S	CONC
26	28652-G-6-F DU	P51028A	P51028A	10/28/10	10:39	TDS	S	CONC
27	CCV	P51028A	P51028A	10/28/10	10:48	TDS	Q	CONC
28	CCB	P51028A	P51028A	10/28/10	10:54	TDS	Q	CONC
29	28652-~~G~~D-6-~~E~~A MS	P51028A	P51028A	10/28/10	11:00	TDS	S	CONC
30	28652-~~G~~D-6-~~F~~B MSD	P51028A	P51028A	10/28/10	11:06	TDS	S	CONC
31	28652-G-8-B	P51028A	P51028A	10/28/10	11:13	TDS	S	CONC
32	28652-G-10-B	P51028A	P51028A	10/28/10	11:19	TDS	S	CONC
33	28652-G-11-B	P51028A	P51028A	10/28/10	11:25	TDS	S	CONC
34	28656-K-1-B Cr. Ni	P51028A	P51028A	10/28/10	11:31	TDS	S	CONC
35	28656-K-1-B @10 Na	P51028A	P51028A	10/28/10	11:37	TDS	S	CONC
36	28656-K-2-B Cr. Ni	P51028A	P51028A	10/28/10	11:44	TDS	S	CONC
37	28656-K-2-B @10 Na	P51028A	P51028A	10/28/10	11:50	TDS	S	CONC
38	28656-K-3-B	P51028A	P51028A	10/28/10	11:56	TDS	S	CONC
39	CCV	P51028A	P51028A	10/28/10	12:04	TDS	Q	CONC
40	CCB	P51028A	P51028A	10/28/10	12:11	TDS	Q	CONC
41	28656-K-3-B @10 Na	P51028A	P51028A	10/28/10	12:17	TDS	S	CONC
42	28656-K-4-B Cr. Ni	P51028A	P51028A	10/28/10	12:23	TDS	S	CONC
43	28656-K-4-B @10 Na	P51028A	P51028A	10/28/10	12:29	TDS	S	CONC
44	28656-K-5-B Cr. Ni	P51028A	P51028A	10/28/10	12:35	TDS	S	CONC
45	28656-K-5-B @10 Na	P51028A	P51028A	10/28/10	12:42	TDS	S	CONC
46	28656-K-6-B Cr. Ni	P51028A	P51028A	10/28/10	12:48	TDS	S	CONC
47	28656-K-6-B @10 Na	P51028A	P51028A	10/28/10	12:54	TDS	S	CONC
48	CCV	P51028A	P51028A	10/28/10	13:02	TDS	Q	CONC
49	CCB	P51028A	P51028A	10/28/10	13:10	TDS	Q	CONC
50	MN	P51028A	P51028A	10/28/10	13:16	TDS	S	CONC

Method: P51028A Standard: S0
Run Time: 10/28/10 08:07:47

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.00013	.00427	-.00047	.00434	.00006	.00112	.00191
SDev	.00011	.00002	.00027	.00001	.00001	.00001	.00008
%RSD	81.408	.51054	58.540	.28851	9.4531	.99964	4.1696
#1	-.00021	.00428	-.00027	.00433	.00006	.00112	.00196
#2	-.00006	.00425	-.00066	.00435	.00006	.00111	.00185

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	-.00045	.00006	.00015	.00209	-.00002	.00388	-.00001
SDev	.00010	.00018	.00004	.00005	.00036	.00082	.00005
%RSD	21.684	292.19	26.780	2.4367	1777.9	21.069	566.06
#1	-.00038	-.00006	.00012	.00213	.00023	.00331	-.00004
#2	-.00052	.00019	.00018	.00205	-.00027	.00446	.00002

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Avge	.00009	.00029	.07226	.00035	.00092	-.00039	.00054
SDev	.00003	.00070	.00025	.00060	.00254	.00061	.00003
%RSD	38.546	244.95	.34953	170.67	277.16	156.15	5.3417
#1	.00011	-.00021	.07208	-.00007	-.00088	.00004	.00052
#2	.00006	.00078	.07243	.00078	.00272	-.00082	.00056

Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Avge	-.00452	.00258	.00076	.00009	-.00000	-.00086	.00001
SDev	.00175	.00069	.00013	.00004	.00010	.00041	.00005
%RSD	38.776	26.624	17.185	43.064	2396.9	47.163	424.06
#1	-.00576	.00209	.00086	.00006	.00006	-.00057	-.00002
#2	-.00328	.00306	.00067	.00012	-.00007	-.00115	.00005

Elem	Zn2062	Si2881
Avge	.00021	.00798
SDev	.00004	.00003
%RSD	19.386	.33324
#1	.00023	.00799
#2	.00018	.00796

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123693	--	--	--	--	--	--
SDev	31.11270	--	--	--	--	--	--
%RSD	.0251532	--	--	--	--	--	--
#1	123715	--	--	--	--	--	--
#2	123671	--	--	--	--	--	--

Method: P51028A Standard: S1A
Run Time: 10/28/10 08:14:02

Elem	Ag3280	As1890	B 2496	Ba4934	Be3130	Cd2265	Co2286
Avge	.17259	.08369	.18315	.61758	.47981	1.4574	.13883
SDev	.00034	.00005	.00121	.00210	.00036	.0033	.00004
%RSD	.19765	.05594	.66264	.33983	.07391	.22811	.02908
#1	.17235	.08366	.18230	.61609	.47956	1.4597	.13886
#2	.17283	.08372	.18401	.61906	.48006	1.4550	.13880

Elem	Cr2677	Cu3247	Mo2020	Ni2316	2203/1	2203/2	Sb2068
Avge	.10178	.17580	.36680	.63245	.44167	.10527	.13849
SDev	.00010	.00092	.00216	.00064	.00276	.00034	.00106
%RSD	.10066	.52322	.59005	.10096	.62418	.32748	.76799
#1	.10186	.17515	.36527	.63200	.44362	.10503	.13774
#2	.10171	.17645	.36833	.63291	.43972	.10552	.13924

Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Tl1908	Zn2062
Avge	.29457	.21428	.11460	1.2846	.82879	.07006	.05125
SDev	.00005	.00079	.00029	.0041	.00158	.00011	.00009
%RSD	.01801	.36764	.25094	.31850	.19012	.15109	.18349
#1	.29460	.21373	.11480	1.2817	.82768	.06998	.05131
#2	.29453	.21484	.11439	1.2875	.82991	.07013	.05118

Elem	Si2881
Avge	.04381
SDev	.00044
%RSD	1.0079
#1	.04350
#2	.04412

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123609	--	--	--	--	--	--
SDev	35.35534	--	--	--	--	--	--
%RSD	.0286026	--	--	--	--	--	--
#1	123634	--	--	--	--	--	--
#2	123584	--	--	--	--	--	--

Method: P51028A Standard: S1B
Run Time: 10/28/10 08:20:15

Elem	Ag3280	Al3082	As1890	B 2496	Ba4934	Be3130	Cd2265
Avge	.21535	.17559	.10485	.22689	.77085	.59616	1.8203
SDev	.00010	.00057	.00061	.00112	.00183	.00125	.0080
%RSD	.04446	.32622	.58529	.49370	.23700	.20985	.44164
#1	.21542	.17599	.10442	.22610	.77214	.59528	1.8147
#2	.21528	.17518	.10528	.22769	.76956	.59705	1.8260

Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avge	.17266	.12692	.21873	.12952	.11137	.45875	.78893
SDev	.00037	.00034	.00055	.00042	.00018	.00240	.00108
%RSD	.21386	.26805	.25236	.32204	.16355	.52319	.13694
#1	.17240	.12668	.21912	.12922	.11124	.45705	.78817
#2	.17292	.12716	.21834	.12981	.11150	.46045	.78970

Elem	2203/1	2203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avge	.55008	.12948	.17410	.36606	.26495	.14259	1.5993
SDev	.00016	.00040	.00020	.00205	.00154	.00085	.0032
%RSD	.02951	.30891	.11576	.55892	.58202	.59771	.19751
#1	.55020	.12920	.17396	.36462	.26604	.14319	1.6016
#2	.54997	.12977	.17424	.36751	.26386	.14198	1.5971

Elem	Ti3349	Tl1908	Zn2062	Si2881
Avge	1.0331	.08789	.06371	.05233
SDev	.0002	.00060	.00042	.00018
%RSD	.02171	.68407	.65717	.34285
#1	1.0333	.08832	.06342	.05246
#2	1.0330	.08746	.06401	.05221

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123576	--	--	--	--	--	--
SDev	153.4422	--	--	--	--	--	--
%RSD	.1241688	--	--	--	--	--	--
#1	123467	--	--	--	--	--	--
#2	123684	--	--	--	--	--	--

Method: P51028A Standard: S1
Run Time: 10/28/10 08:26:27

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265
Avge	.43118	.34922	.21030	.45337	1.5418	1.1934	3.6129
SDev	.00024	.00018	.00038	.00122	.0031	.0021	.0065
%RSD	.05546	.05060	.17887	.26895	.20007	.17783	.17984
#1	.43101	.34909	.21004	.45423	1.5440	1.1949	3.6083
#2	.43134	.34934	.21057	.45251	1.5396	1.1919	3.6175

Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avge	.34522	.25398	.43747	.25868	.22298	.91693	1.5714
SDev	.00002	.00010	.00020	.00006	.00015	.00221	.0000
%RSD	.00707	.03882	.04664	.02240	.06811	.24067	.00005
#1	.34524	.25391	.43762	.25863	.22309	.91537	1.5714
#2	.34521	.25405	.43733	.25872	.22288	.91849	1.5714

Elem	2203/1	2203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avge	1.0943	.26136	.34803	.74373	.53197	.28594	3.1896
SDev	.0022	.00022	.00095	.00108	.00163	.00033	.0053
%RSD	.20132	.08493	.27281	.14490	.30620	.11594	.16630
#1	1.0927	.26152	.34736	.74449	.53312	.28617	3.1934
#2	1.0959	.26120	.34871	.74297	.53082	.28570	3.1859

Elem	Ti3349	Tl1908	Zn2062	Si2881
Avge	2.0703	.17944	.12658	.09735
SDev	.0028	.00054	.00002	.00011
%RSD	.13578	.29872	.01802	.11250
#1	2.0723	.17907	.12657	.09727
#2	2.0683	.17982	.12660	.09742

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	122394	--	--	--	--	--	--
SDev	144.9569	--	--	--	--	--	--
%RSD	.1184342	--	--	--	--	--	--
#1	122497	--	--	--	--	--	--
#2	122292	--	--	--	--	--	--

Method: P51028A Standard: S2
Run Time: 10/28/10 08:32:40

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Mn2576	Na5889
Avge	3.5009	2.6778	1.2812	9.7847	1.3757	6.4608	54.682
SDev	.0033	.0038	.0023	.0211	.0001	.0056	.018
%RSD	.09397	.14019	.18044	.21539	.00485	.08701	.03254
#1	3.4986	2.6805	1.2828	9.7698	1.3757	6.4648	54.669
#2	3.5032	2.6752	1.2796	9.7997	1.3758	6.4568	54.694

Elem	V_2924
Avge	1.4762
SDev	.0005
%RSD	.03519
#1	1.4765
#2	1.4758

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120042	--	--	--	--	--	--
SDev	38.89087	--	--	--	--	--	--
%RSD	.0323976	--	--	--	--	--	--
#1	120015	--	--	--	--	--	--
#2	120070	--	--	--	--	--	--

Method: P51028A Standard: S2A
Run Time: 10/28/10 08:37:50

Elem	Mn2576	Na5889	V_2924
Avge	2.6999	22.941	.59944
SDev	.0339	.337	.00770
%RSD	1.2574	1.4704	1.2841
#1	2.7239	23.180	.60488
#2	2.6759	22.703	.59400

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121167	--	--	--	--	--	--
SDev	1479.267	--	--	--	--	--	--
%RSD	1.220850	--	--	--	--	--	--
#1	120121	--	--	--	--	--	--
#2	122213	--	--	--	--	--	--

Method: P51028A Standard: S2B
Run Time: 10/28/10 08:43:01

Elem	Mn2576	Na5889	V_2924
Avge	3.3686	28.595	.75297
SDev	.0108	.048	.00230
%RSD	.32074	.16615	.30508
#1	3.3762	28.561	.75459
#2	3.3609	28.628	.75135

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121386	--	--	--	--	--	--
SDev	98.28784	--	--	--	--	--	--
%RSD	.0809710	--	--	--	--	--	--
#1	121456	--	--	--	--	--	--
#2	121317	--	--	--	--	--	--

Method: P51028A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	Multiple	Standards	2.31825	.000308	10/28/10 08:26:27
Al3082	308.215	Multiple	Standards	28.9079	-.122893	10/28/10 08:32:40
As1890	189.042	Multiple	Standards	4.74494	.002227	10/28/10 08:26:27
B_2496	249.678	Multiple	Standards	2.23885	-.009713	10/28/10 08:26:27
Ba4934	493.409	Multiple	Standards	.648385	-.000041	10/28/10 08:26:27
Be3130	313.042	Multiple	Standards	.836389	-.000937	10/28/10 08:26:27
Ca3179	317.933	S2	S0	.924991	.000816	10/28/10 08:43:01
Cd2265	226.502	Multiple	Standards	.275427	.000111	10/28/10 08:26:27
Co2286	228.616	Multiple	Standards	2.89561	-.000181	10/28/10 08:26:27
Cr2677	267.716	Multiple	Standards	3.93980	-.000590	10/28/10 08:26:27
Cu3247	324.753	Multiple	Standards	2.30266	-.004808	10/28/10 08:26:27
Fe2714	271.441	Multiple	Standards	38.9418	.000636	10/28/10 08:32:40
K_7664	766.491	S2	S0	.846232	-.002585	10/28/10 08:43:01
Mg2790	279.078	Multiple	Standards	35.9777	.000076	10/28/10 08:32:40
Mn2576	257.610	Multiple	Standards	1.50387	-.000706	10/28/10 08:43:01
Mo2020	202.030	Multiple	Standards	1.08883	-.000309	10/28/10 08:26:27
Na5889	588.995	Multiple	Standards	.888579	-.067206	10/28/10 08:43:01
Ni2316	231.604	Multiple	Standards	.634292	-.000230	10/28/10 08:26:27
2203/1	220.351	Multiple	Standards	.914340	-.000854	10/28/10 08:26:27
2203/2	220.352	Multiple	Standards	3.80810	.001472	10/28/10 08:26:27
Sb2068	206.838	Multiple	Standards	2.91103	-.001557	10/28/10 08:26:27
1960/1	196.021	Multiple	Standards	1.34095	.006069	10/28/10 08:26:27
1960/2	196.022	Multiple	Standards	1.88760	-.004861	10/28/10 08:26:27
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.023	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sn1899	189.989	Multiple	Standards	3.50771	-.002675	10/28/10 08:26:27
Sr4215	421.552	Multiple	Standards	.312529	-.000037	10/28/10 08:26:27
Ti3349	334.941	Multiple	Standards	.483294	.000002	10/28/10 08:26:27
Tl1908	190.864	Multiple	Standards	5.60578	.004850	10/28/10 08:26:27
V_2924	292.402	Multiple	Standards	6.69574	-.000294	10/28/10 08:43:01
Zn2062	206.200	Multiple	Standards	7.87669	-.001636	10/28/10 08:26:27
Si2881	288.158	Multiple	Standards	11.2700	-.089883	10/28/10 08:26:27

Method: P51028A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	S0	.000000	-.000001	.000001
		S1A	.400000	.400412	-.000412
		S1B	.500000	.499544	.000456
		S1	1.00000	.999882	.000118

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	S0	.000000	.000504	-.000504
		S1B	5.00000	4.95291	.047091
		S1	10.0000	9.97230	.027699
		S2	100.000	101.080	-1.08019

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	S0	.000000	.000002	-.000002
		S1A	.400000	.399338	.000662
		S1B	.500000	.499737	.000263
		S1	1.00000	1.00011	-.000106

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	S0	.000000	.000007	-.000007
		S1A	.400000	.400342	-.000342
		S1B	.500000	.498266	.001734
		S1	1.00000	1.00531	-.005311

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	S0	.000000	-.000001	.000001
		S1A	.400000	.400387	-.000387
		S1B	.500000	.499767	.000233
		S1	1.00000	.999639	.000361

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	S0	.000000	-.000003	.000003
		S1A	.400000	.400373	-.000373
		S1B	.500000	.497686	.002314
		S1	1.00000	.997246	.002754

CorCoef: 1.00000

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Ca3179	317.933	S0	.002581	.001908	.000673
		S2	2.47777	2.67782	-.200044

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	S0	.000000	-.000012	.000012
		S1A	.400000	.401512	-.001512
		S1B	.500000	.501484	-.001484
		S1	1.00000	.995204	.004796

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	S0	.000000	-.000006	.000006
		S1A	.400000	.401825	-.001825
		S1B	.500000	.499785	.000215
		S1	1.00000	.999453	.000547

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	S0	.000000	-.000001	.000001
		S1A	.400000	.400421	-.000421
		S1B	.500000	.499458	.000542
		S1	1.00000	1.00003	-.000032

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	S0	.000000	.000004	-.000004
		S1A	.400000	.399992	.000008
		S1B	.500000	.498851	.001149
		S1	1.00000	1.00255	-.002548

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	S0	.000000	-.000153	.000153
		S1B	5.00000	5.04437	-.044374
		S1	10.0000	10.0740	-.073952
		S2	50.0000	49.8931	.106880

CorCoef: 1.00000

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	S0	.000703	.003885	-.003182
		S2	8.27758	9.78475	-1.50717

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	S0	.000000	-.000215	.000215
		S1B	4.00000	4.00702	-.007021
		S1	8.00000	8.02251	-.022514
		S2	50.0000	49.4958	.504230

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	S0	.000000	-.000572	.000572
		S2A	4.00000	4.05959	-.059586
		S2B	5.00000	5.06515	-.065155
		S2	10.0000	9.71546	.284540

CorCoef: 0.99962

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	S0	.000000	.000003	-.000003
		S1A	.400000	.399076	.000924
		S1B	.500000	.499192	.000808
		S1	1.00000	.998072	.001928

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	S0	.000000	-.003001	.003001
		S2A	20.0000	20.3181	-.318060
		S2B	25.0000	25.3415	-.341463
		S2	50.0000	48.5219	1.47807

CorCoef: 0.99958

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	S0	.000000	-.000007	.000007
		S1A	.400000	.400930	-.000930
		S1B	.500000	.500184	-.000184
		S1	1.00000	.996519	.003481

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	S0	.000000	-.000015	.000015
		S1A	.400000	.402979	-.002979
		S1B	.500000	.502107	-.002107
		S1	1.00000	.999711	.000289

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	S0	.000000	-.000006	.000006
		S1A	.400000	.402356	-.002356
		S1B	.500000	.494557	.005443
		S1	1.00000	.996754	.003246

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	S0	.000000	.000008	-.000008
		S1A	.400000	.401590	-.001590
		S1B	.500000	.505253	-.005253
		S1	1.00000	1.01158	-.011584

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	S0	.000000	.000004	-.000004
		S1A	.400000	.401068	-.001068
		S1B	.500000	.496942	.003058
		S1	1.00000	1.00338	-.003376

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	S0	.000000	.000007	-.000007
		S1A	.400000	.399623	.000377
		S1B	.500000	.495256	.004744
		S1	1.00000	.999289	.000711

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.023	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	S0	.000000	.000005	-.000005
		S1A	.400000	.399291	.000709
		S1B	.500000	.497473	.002527
		S1	1.00000	1.00030	-.000305

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	S0	.000000	-.000008	.000008
		S1A	.400000	.401431	-.001431
		S1B	.500000	.499804	.000196
		S1	1.00000	.996815	.003185

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	S0	.000000	-.000000	.000000
		S1A	.400000	.400551	-.000551
		S1B	.500000	.499315	.000685
		S1	1.00000	1.00058	-.000581

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	S0	.000000	.000023	-.000023
		S1A	.400000	.397566	.002434
		S1B	.500000	.497542	.002458
		S1	1.00000	1.01078	-.010777

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	S0	.000000	-.000213	.000213
		S2A	4.00000	4.01339	-.013392
		S2B	5.00000	5.04140	-.041398
		S2	10.0000	9.88372	.116278

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	S0	.000000	-.000012	.000012
		S1A	.400000	.402015	-.002015
		S1B	.500000	.500218	-.000218
		S1	1.00000	.995415	.004585

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si2881	288.158	S0	.000000	-.000001	.000001
		S1B	.500000	.499902	.000098
		S1	1.00000	1.00719	-.007194
		S1A	.400000	.403872	-.003872

CorCoef: 0.99999

Method: P51028A Sample Name: S1 Operator: TDS
Run Time: 10/28/10 08:48:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0017	10.001	1.0069	1.0111	1.0032	1.0003	3.9727
SDev	.0017	.035	.0014	.0045	.0030	.0016	.0034
%RSD	.16951	.35327	.13970	.44874	.29586	.16468	.08619
#1	1.0005	9.9763	1.0079	1.0079	1.0011	.99914	3.9703
#2	1.0029	10.026	1.0059	1.0144	1.0053	1.0015	3.9752
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000		1.0000	1.0000	1.0000	1.0000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99260	.99843	.99969	1.0060	10.046	10.833	8.0519
SDev	.00138	.00199	.00092	.0037	.000	.063	.0098
%RSD	.13934	.19938	.09242	.37067	.00307	.58303	.12120
#1	.99358	.99702	.99903	1.0034	10.046	10.788	8.0450
#2	.99163	.99984	1.0003	1.0086	10.046	10.878	8.0588
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1.0000	1.0000	1.0000	1.0000			
Range	5.0000	5.0000	5.0000	5.0000			

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	1.0016	Q10.591	.99616	.99387	.99833	1.0044
SDev	.00021	.0046	.053	.00042	.00306	.00477	.0035
%RSD	38.204	.45435	.49929	.04171	.30764	.47768	.34373
#1	.00072	.99835	Q10.554	.99586	.99603	.99496	1.0019
#2	.00041	1.0048	Q10.628	.99645	.99170	1.0017	1.0068
Errors	NOCHECK	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK	QC Pass
Value		1.0000	10.000	1.0000			1.0000
Range		5.0000	5.0000	5.0000			5.0000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0047	1.0046	.99691	1.0047	1.0017	1.0004	1.0033
SDev	.0026	.0001	.00215	.0009	.0018	.0031	.0031
%RSD	.25437	.00843	.21610	.09041	.18188	.30878	.30675
#1	1.0029	1.0045	.99539	1.0041	1.0004	.99826	1.0012
#2	1.0066	1.0046	.99843	1.0053	1.0030	1.0026	1.0055
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				1.0000	1.0000	1.0000	1.0000
Range				5.0000	5.0000	5.0000	5.0000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	1.0138	-.00297	.99113	Q1.1952
SDev	.0045	.00008	.00140	.2022
%RSD	.44228	2.5294	.14118	16.920
#1	1.0106	-.00303	.99212	Q1.0522
#2	1.0170	-.00292	.99014	Q1.3382
Errors	QC Pass	NOCHECK	QC Pass	QC Fail
Value	1.0000		1.0000	1.0000
Range	5.0000		5.0000	5.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	122510	--	--	--	--	--	--
SDev	68.58935	--	--	--	--	--	--
%RSD	.0559870	--	--	--	--	--	--
#1	122558	--	--	--	--	--	--
#2	122461	--	--	--	--	--	--

Method: P51028A Sample Name: 52 Operator: TDS
Run Time: 10/28/10 08:54:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00215	101.38	.00041	.00160	.00026	.00122	49.604
SDev	.00046	.43	.00167	.00046	.00018	.00018	.055
%RSD	21.331	.42809	407.51	28.890	68.384	14.665	.11082
#1	.00183	101.69	-.00077	.00128	.00013	.00109	49.565
#2	.00248	101.08	.00159	.00193	.00039	.00134	49.643
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		100.00					50.000
Range		5.0000					5.0000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	.00123	.00134	.00127	49.681	100.67	49.414
SDev	.00013	.00053	.00005	.00008	.071	.58	.085
%RSD	43.726	42.895	3.9214	6.6032	.14198	.57875	.17274
#1	-.00039	.00086	.00138	.00121	49.631	101.08	49.475
#2	-.00021	.00160	.00130	.00133	49.730	100.26	49.354
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					50.000	100.00	50.000
Range					5.0000	5.0000	5.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.6731	.00264	48.595	.00077	19.358	19.300	.00378
SDev	.0019	.00140	.274	.00008	.033	.039	.00148
%RSD	.01994	53.034	.56412	9.9637	.16958	.20156	39.180
#1	9.6744	.00363	48.788	.00072	19.381	19.327	.00483
#2	9.6717	.00165	48.401	.00083	19.334	19.272	.00274
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	10.000		50.000				
Range	5.0000		5.0000				

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00442	-.00133	19.319	.00065	-.00588	.00017	.00073
SDev	.00415	.00319	.037	.00351	.00235	.00018	.00010
%RSD	93.985	240.03	.19085	535.66	39.977	105.10	13.172
#1	.00148	-.00358	19.345	-.00183	-.00754	.00004	.00066
#2	.00735	.00093	19.293	.00314	-.00422	.00030	.00080
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			20.000				
Range			5.0000				

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00672	9.8622	.00130	-.00002
SDev	.00237	.0113	.00006	.00030
%RSD	35.201	.11435	4.2903	1646.6
#1	-.00505	9.8702	.00133	.00020
#2	-.00839	9.8542	.00126	-.00023
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		10.000		
Range		5.0000		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	119187	--	--	--	--	--	--
SDev	292.7422	--	--	--	--	--	--
%RSD	.2456159	--	--	--	--	--	--
#1	118980	--	--	--	--	--	--
#2	119394	--	--	--	--	--	--

Method: P51028A Sample Name: TCV Operator: TDS
Run Time: 10/28/10 09:00:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40126	39.567	.40562	.40549	.39886	.39792	20.353
SDev	.00142	.001	.00190	.00058	.00015	.00255	.134
%RSD	.35401	.00228	.46847	.14341	.03737	.64219	.65725
#1	.40226	39.567	.40696	.40590	.39897	.39973	20.447
#2	.40025	39.566	.40427	.40507	.39876	.39611	20.258
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	40.000	.40000	.40000	.40000	.40000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39278	.38942	.39477	.40362	20.656	41.600	20.303
SDev	.00215	.00216	.00199	.00041	.136	.021	.078
%RSD	.54689	.55553	.50436	.10109	.65778	.05122	.38536
#1	.39430	.39095	.39618	.40333	20.752	41.585	20.358
#2	.39126	.38789	.39337	.40390	20.560	41.615	20.248
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.40000	.40000	.40000	20.000	40.000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0618	.40156	20.939	.39209	.39317	.40030	.40372
SDev	.0232	.00192	.046	.00291	.00671	.00318	.00251
%RSD	.57073	.47708	.21916	.74205	1.7069	.79464	.62177
#1	4.0782	.40292	20.907	.39415	.39792	.40255	.40550
#2	4.0454	.40021	20.972	.39004	.38842	.39805	.40195
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	4.0000	.40000	20.000	.40000			.40000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39604	.39802	.39800	.39743	.39622	.40090	.40002
SDev	.00184	.00318	.00436	.00274	.00243	.00044	.00086
%RSD	.46407	.80023	1.0964	.68849	.61252	.11005	.21618
#1	.39734	.40027	.40108	.39936	.39793	.40122	.40064
#2	.39474	.39577	.39491	.39549	.39450	.40059	.39941
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			.40000	.40000	.40000		.40000
Range			10.000	10.000	10.000		10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.39705	3.9582	.38628	.38257
SDev	.00223	.0246	.00327	.00180
%RSD	.56124	.62248	.84656	.47144
#1	.39863	3.9756	.38859	.38384
#2	.39548	3.9408	.38396	.38129
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	4.0000	.40000	.40000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121447	--	--	--	--	--	--
SDev	463.8621	--	--	--	--	--	--
%RSD	.3819461	--	--	--	--	--	--
#1	121119	--	--	--	--	--	--
#2	121775	--	--	--	--	--	--

Method: P51028A Sample Name: ICB Operator: TDS
Run Time: 10/28/10 09:06:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00813	-.00062	.00092	.00006	.00006	-.00093
SDev	.00005	.00410	.00127	.00009	.00002	.00005	.00226
%RSD	62.552	50.483	205.64	9.9252	22.979	75.829	243.40
#1	.00012	.00522	-.00152	.00099	.00005	.00003	-.00253
#2	.00005	.01103	.00028	.00086	.00007	.00009	.00067
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	-.00026	-.00019	.00011	.01147	.00398	.00254
SDev	.00008	.00012	.00011	.00013	.00243	.00874	.00184
%RSD	104.18	43.781	57.580	109.98	21.148	219.46	72.585
#1	-.00002	-.00018	-.00027	.00020	.00975	-.00220	.00124
#2	-.00014	-.00034	-.00011	.00003	.01318	.01016	.00384
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00024	.00084	-.00005	.00050	.00029	-.00076
SDev	.00057	.00009	.00241	.00001	.00090	.00011	.00126
%RSD	766.35	38.547	285.52	22.865	181.05	36.255	166.59
#1	-.00033	.00031	-.00086	-.00004	.00113	.00037	.00013
#2	.00048	.00018	.00255	-.00006	-.00014	.00022	-.00165
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00299	-.00023	.00046	-.00108	-.00042	.00005	.00023
SDev	.00176	.00020	.00037	.00045	.00048	.00006	.00006
%RSD	58.863	86.687	81.030	41.886	116.42	116.26	27.729
#1	-.00174	-.00037	.00072	-.00076	-.00007	.00001	.00027
#2	-.00423	-.00009	.00020	-.00140	-.00076	.00009	.00018
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00031	.00019	-.00005	-.00296
SDev	.00060	.00069	.00027	.00179
%RSD	190.68	361.63	540.33	60.370
#1	.00011	-.00030	.00014	-.00170
#2	-.00074	.00067	-.00024	-.00422
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.01000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124214	--	--	--	--	--	--
SDev	176.7767	--	--	--	--	--	--
%RSD	.1423162	--	--	--	--	--	--
#1	124089	--	--	--	--	--	--
#2	124339	--	--	--	--	--	--

Method: P51028A Sample Name: CRI Operator: TDS
Run Time: 10/28/10 09:12:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00976	.40449	.01896	.10284	.02037	.00811	.39376
SDev	.00025	.00050	.00159	.00002	.00004	.00003	.00214
%RSD	2.5448	.12253	8.3977	.02198	.21214	.38958	.54386
#1	.00959	.40414	.01783	.10286	.02040	.00813	.39527
#2	.00994	.40484	.02008	.10283	.02034	.00809	.39224
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.40000	.02000	.10000	.02000	.00800	.40000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00404	.01015	.02371	.02088	.41294	1.0040	.20504
SDev	.00005	.00006	.00007	.00002	.02658	.0002	.00027
%RSD	1.2755	.62200	.31651	.10121	6.4359	.02152	.13049
#1	.00408	.01010	.02377	.02089	.43173	1.0041	.20523
#2	.00401	.01019	.02366	.02086	.39415	1.0038	.20485
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00400	.01000	.02000	.02000	.40000	1.0000	.20000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02063	.02024	2.0351	.02042	.00986	.01262	.04131
SDev	.00009	.00007	.0118	.00010	.00069	.00074	.00128
%RSD	.41070	.34169	.58072	.46373	7.0002	5.8363	3.0861
#1	.02069	.02029	2.0267	.02035	.01034	.01210	.04221
#2	.02057	.02020	2.0434	.02049	.00937	.01314	.04041
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.02000	.02000	2.0000	.02000			.04000
Range	50.000	50.000	50.000	50.000			50.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02061	.02040	.01179	.02053	.07818	.01026	.01037
SDev	.00226	.00340	.00026	.00151	.00075	.00001	.00009
%RSD	10.978	16.642	2.2119	7.3500	.95932	.13512	.88255
#1	.02221	.01800	.01161	.01947	.07871	.01027	.01044
#2	.01901	.02280	.01198	.02160	.07765	.01025	.01031
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.01000	.02000	.08000	.01000	.01000
Range			50.000	50.000	50.000	25.000	50.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.01834	.00994	.03856	.38729
SDev	.00070	.00016	.00051	.00037
%RSD	3.8001	1.5721	1.3141	.09586
#1	.01785	.01005	.03891	.38703
#2	.01884	.00983	.03820	.38755
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.01000	.04000	.40000
Range	50.000	25.000	25.000	25.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123922	--	--	--	--	--	--
SDev	38.89087	--	--	--	--	--	--
%RSD	.0313832	--	--	--	--	--	--
#1	123895	--	--	--	--	--	--
#2	123950	--	--	--	--	--	--

Method: P51028A Sample Name: ICSA Operator: TDS
Run Time: 10/28/10 09:19:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	489.19	-.00141	.00240	.00210	-.00005	475.92
SDev	.00035	.29	.00013	.00026	.00002	.00001	.05
%RSD	235.26	.05905	9.4140	10.653	.95185	15.501	.00975
#1	.00039	489.39	-.00150	.00258	.00209	-.00004	475.95
#2	-.00010	488.99	-.00132	.00222	.00212	-.00005	475.89
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	500.00
Range	.01000	100.00	.02000	.10000	.02000	.00800	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	.00073	.00538	-.00321	189.80	-.00166	503.11
SDev	.00006	.00008	.00009	.00001	.14	.00399	.13
%RSD	11.251	10.751	1.6325	.21899	.07293	240.53	.02622
#1	.00049	.00079	.00544	-.00321	189.90	.00116	503.20
#2	.00057	.00067	.00532	-.00320	189.70	-.00448	503.02
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	200.00	.00000	500.00
Range	.00400	.01000	.02000	.02000	40.000	2.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00312	.00264	.02621	.00079	-.01524	.01302	.00220
SDev	.00004	.00019	.00034	.00013	.00103	.00142	.00159
%RSD	1.2234	7.0735	1.2886	16.485	6.7499	10.900	72.015
#1	-.00310	.00277	.02645	.00070	-.01451	.01402	.00333
#2	-.00315	.00251	.02597	.00088	-.01596	.01201	.00108
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.02000	.02000	.20000	.02000			.04000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00385	-.00638	.00368	-.00290	-.00539	Q.01129	.00090
SDev	.00322	.00152	.00128	.00006	.00231	.00009	.00003
%RSD	83.488	23.871	34.868	1.9382	42.834	.76832	2.7432
#1	.00158	-.00530	.00458	-.00294	-.00375	Q.01135	.00092
#2	.00613	-.00746	.00277	-.00286	-.00702	Q.01122	.00088
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.01000	.02000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00171	.00250	-.00035	.00732
SDev	.00135	.00019	.00056	.00020
%RSD	78.897	7.4742	157.20	2.7700
#1	.00076	.00264	-.00075	.00717
#2	.00267	.00237	.00004	.00746
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.02000	.01000	.04000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	108520	--	--	--	--	--	--
SDev	197.2828	--	--	--	--	--	--
%RSD	.1817931	--	--	--	--	--	--
#1	108381	--	--	--	--	--	--
#2	108660	--	--	--	--	--	--

Method: P51028A Sample Name: ICSAB Operator: TDS
Run Time: 10/28/10 09:25:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21920	497.43	.10252	.00288	.48383	.48460	481.38
SDev	.00081	.75	.00359	.00061	.00050	.00086	.10
%RSD	.36886	.15011	3.5021	21.364	.10397	.17845	.02066
#1	.21977	497.96	.10505	.00244	.48419	.48521	481.45
#2	.21863	496.90	.09998	.00331	.48347	.48399	481.30
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.00	.10000	.00000	.50000	.50000	500.00
Range	.04000	100.00	.02000	.10000	.10000	.10000	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.91617	.46388	.48744	.54796	192.85	-.00196	509.35
SDev	.00170	.00024	.00041	.00181	.03	.00653	.51
%RSD	.18598	.05189	.08481	.32981	.01507	332.27	.10062
#1	.91497	.46371	.48714	.54924	192.87	-.00658	509.71
#2	.91737	.46405	.48773	.54668	192.83	.00265	508.98
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	.50000	.50000	200.00	.00000	500.00
Range	.20000	.10000	.10000	.10000	40.000	4.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49609	.00166	.02689	.89487	.03031	.06300	.61435
SDev	.00019	.00131	.00025	.00032	.00246	.00118	.00194
%RSD	.03799	79.204	.91999	.03546	8.0977	1.8747	.31647
#1	.49623	.00073	.02707	.89465	.02858	.06384	.61297
#2	.49596	.00259	.02672	.89510	.03205	.06217	.61572
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.50000	.00000	.00000	1.0000			.60000
Range	.10000	.02000	.40000	.20000			.12000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04814	.04301	.05220	.04479	-.00563	Q.01152	.00090
SDev	.00185	.00013	.00003	.00071	.00143	.00001	.00012
%RSD	3.8457	.31025	.05881	1.5760	25.312	.05214	13.205
#1	.04683	.04291	.05218	.04429	-.00462	Q.01152	.00098
#2	.04945	.04310	.05222	.04529	-.00664	Q.01151	.00081
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value			.05000	.05000	.00000	.00000	.00000
Range			.01000	.01000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09847	.49674	.87741	.01616
SDev	.00556	.00071	.00076	.00249
%RSD	5.6439	.14345	.08602	15.410
#1	.10240	.49624	.87795	.01793
#2	.09454	.49724	.87688	.01440
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.10000	.50000	1.0000	.00000
Range	.02000	.10000	.20000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	107656	--	--	--	--	--	--
SDev	142.8356	--	--	--	--	--	--
%RSD	.1326778	--	--	--	--	--	--
#1	107555	--	--	--	--	--	--
#2	107757	--	--	--	--	--	--

Method: P51028A Sample Name: CCV Operator: TDS
Run Time: 10/28/10 09:31:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50419	49.372	.50993	.50510	.49802	.50265	25.645
SDev	.00135	.060	.00334	.00078	.00037	.00249	.038
%RSD	.26784	.12110	.65454	.15502	.07378	.49579	.14971
#1	.50324	49.414	.50757	.50454	.49776	.50089	25.618
#2	.50515	49.330	.51229	.50565	.49828	.50441	25.673
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49871	.49122	.49969	.50301	26.030	51.305	25.459
SDev	.00084	.00110	.00273	.00048	.077	.010	.009
%RSD	.16784	.22424	.54592	.09518	.29460	.02042	.03645
#1	.49812	.49045	.49776	.50268	25.976	51.298	25.465
#2	.49930	.49200	.50162	.50335	26.084	51.313	25.452
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1045	.50375	25.703	.49571	.49524	.50064	.50648
SDev	.0190	.00224	.035	.00165	.00056	.00224	.00208
%RSD	.37317	.44540	.13488	.33198	.11303	.44650	.40972
#1	5.0911	.50217	25.728	.49455	.49563	.49906	.50501
#2	5.1180	.50534	25.679	.49687	.49484	.50222	.50794
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50234	.50068	.49892	.50130	.50075	.50044	.50032
SDev	.00270	.00203	.00130	.00226	.00493	.00088	.00195
%RSD	.53683	.40651	.26014	.45000	.98514	.17582	.38937
#1	.50044	.49924	.49800	.49971	.49726	.49982	.49894
#2	.50425	.50212	.49984	.50290	.50424	.50107	.50170
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.50482	4.9844	.49299	.48498
SDev	.00264	.0167	.00180	.00150
%RSD	.52260	.33439	.36506	.30952
#1	.50295	4.9726	.49172	.48392
#2	.50668	4.9961	.49426	.48604
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120793	--	--	--	--	--	--
SDev	113.1371	--	--	--	--	--	--
%RSD	.0936620	--	--	--	--	--	--
#1	120873	--	--	--	--	--	--
#2	120713	--	--	--	--	--	--

Method: P51028A Sample Name: CCB Operator: TDS
Run Time: 10/28/10 09:37:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.01208	-.00002	.00087	.00000	.00006	.00238
SDev	.00050	.00687	.00036	.00068	.00002	.00003	.00458
%RSD	1835.9	56.892	2075.3	78.952	1388.8	46.246	192.72
#1	.00038	.00722	-.00027	.00038	-.00001	.00004	-.00086
#2	-.00033	.01694	.00023	.00135	.00001	.00008	.00561
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	-.00010	-.00003	-.00005	.01121	.00594	.00750
SDev	.00010	.00012	.00011	.00021	.01983	.00275	.00019
%RSD	87.941	116.54	349.81	402.92	176.93	46.213	2.5730
#1	.00018	-.00002	.00005	.00009	.02523	.00788	.00736
#2	.00004	-.00018	-.00011	-.00020	-.00281	.00400	.00763
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00039	.00089	-.00013	-.00062	.00112	.00060
SDev	.00016	.00028	.00061	.00054	.00199	.00046	.00075
%RSD	139.16	71.968	68.424	405.87	322.50	41.065	125.73
#1	-.00023	.00059	.00046	.00025	.00079	.00079	.00113
#2	-.00000	.00019	.00132	-.00051	-.00203	.00144	.00007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00119	.00074	.00064	.00016	-.00066	.00005	.00017
SDev	.00381	.00038	.00036	.00152	.00173	.00001	.00001
%RSD	321.34	50.763	56.190	942.86	263.10	17.203	3.2974
#1	.00151	.00100	.00089	.00124	.00057	.00004	.00018
#2	-.00388	.00047	.00038	-.00091	-.00188	.00006	.00017
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00080	.00019	-.00014	-.00176
SDev	.00010	.00038	.00005	.00192
%RSD	12.675	197.06	34.180	109.15
#1	.00072	-.00008	-.00011	-.00312
#2	.00087	.00046	-.00017	-.00040
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123674	--	--	--	--	--	--
SDev	220.6173	--	--	--	--	--	--
%RSD	.1783862	--	--	--	--	--	--
#1	123518	--	--	--	--	--	--
#2	123830	--	--	--	--	--	--

Method: P51028A Sample Name: MB 500-98197/1-A Operator: TDS
Run Time: 10/28/10 09:44:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.01182	-.00357	.00573	.00019	.00001	.04057
SDev	.00013	.00028	.00109	.00038	.00003	.00001	.00067
%RSD	447.04	2.3925	30.530	6.7092	13.420	71.963	1.6565
#1	.00006	.01202	-.00435	.00545	.00017	.00001	.04009
#2	-.00012	.01162	-.00280	.00600	.00021	.00002	.04104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	-.00003	.00030	.00097	.02510	.01447	.00650
SDev	.00018	.00018	.00045	.00013	.01049	.00333	.00207
%RSD	143.64	620.02	148.90	13.039	41.781	23.008	31.890
#1	-.00026	.00010	.00062	.00088	.03252	.01682	.00797
#2	.00000	-.00016	-.00002	.00106	.01768	.01211	.00504
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.00098	.02333	-.00002	.00279	.00132	.00086
SDev	.00003	.00068	.00025	.00011	.00072	.00017	.00078
%RSD	4.2310	68.763	1.0574	506.79	26.038	13.246	91.654
#1	.00067	.00146	.02351	-.00010	.00227	.00144	.00030
#2	.00063	.00051	.02316	.00006	.00330	.00120	.00141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.01098	.00609	.00189	.00046	.00283	.00020	.00026
SDev	.00085	.00101	.00015	.00096	.00091	.00001	.00000
%RSD	7.7603	16.636	7.8350	206.52	32.147	4.5742	1.1016
#1	-.01158	.00537	.00178	-.00021	.00347	.00021	.00026
#2	-.01037	.00680	.00199	.00114	.00218	.00019	.00026
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00298	-.00026	.00509	.01688
SDev	.00048	.00043	.00022	.00120
%RSD	15.978	161.14	4.3175	7.1369
#1	-.00264	.00004	.00494	.01602
#2	-.00331	-.00056	.00525	.01773
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.00500	.02000	.20000
Low	-.01000	-.00500	-.01000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123480	--	--	--	--	--	--
SDev	107.4802	--	--	--	--	--	--
%RSD	.0870426	--	--	--	--	--	--
#1	123404	--	--	--	--	--	--
#2	123556	--	--	--	--	--	--

Method: P51028A Sample Name: LCS 500-98197/2-A Operator: TDS
Run Time: 10/28/10 09:50:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04915	1.9959	.09405	.95964	1.9759	.04983	10.044
SDev	.00031	.0021	.00061	.00080	.0036	.00002	.023
%RSD	.62753	.10415	.64806	.08325	.18432	.02915	.23363
#1	.04937	1.9944	.09448	.95907	1.9784	.04982	10.028
#2	.04893	1.9973	.09362	.96020	1.9733	.04984	10.061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	.12000	1.2000	2.4000	.06000	12.000
Low	.04000	1.6000	.08000	.80000	1.6000	.04000	8.0000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05019	.51345	.20664	.25960	1.0409	9.8157	9.7648
SDev	.00035	.00031	.00046	.00063	.0100	.0057	.0222
%RSD	.70163	.05976	.22406	.24187	.96450	.05774	.22772
#1	.04994	.51323	.20631	.26004	1.0480	9.8117	9.7491
#2	.05044	.51366	.20697	.25916	1.0338	9.8197	9.7805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	12.000	12.000
Low	.04000	.40000	.16000	.20000	.80000	8.0000	8.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53706	1.0145	9.7129	.50813	.10259	.10022	.49858
SDev	.00030	.0022	.0090	.00024	.00032	.00016	.00161
%RSD	.05530	.21358	.09291	.04674	.30738	.16166	.32246
#1	.53685	1.0130	9.7066	.50797	.10237	.10033	.49744
#2	.53727	1.0160	9.7193	.50830	.10282	.10010	.49972
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	12.000	.60000			.60000
Low	.40000	.80000	8.0000	.40000			.40000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07817	.09301	.10109	.08813	1.0006	1.0281	1.0197
SDev	.00020	.00017	.00000	.00018	.0016	.0015	.0001
%RSD	.25179	.18487	.00303	.20468	.16246	.14955	.01345
#1	.07831	.09313	.10109	.08826	.99944	1.0292	1.0198
#2	.07803	.09289	.10109	.08800	1.0017	1.0270	1.0196
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.12000	.12000	1.2000	1.2000	1.2000
Low			.08000	.08000	.80000	.80000	.80000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09773	.51049	.49622	4.8417
SDev	.00025	.00087	.00262	.0191
%RSD	.25793	.17113	.52730	.39465
#1	.09755	.50987	.49437	4.8282
#2	.09791	.51111	.49807	4.8552
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	.12000	.60000	.60000	6.0000
Low	.08000	.40000	.40000	4.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121956	--	--	--	--	--	--
SDev	265.1650	--	--	--	--	--	--
%RSD	.2174277	--	--	--	--	--	--
#1	121768	--	--	--	--	--	--
#2	122143	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-1-B Operator: TDS
Run Time: 10/28/10 09:56:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.02391	.00367	1.9012	.06266	.00010	182.39
SDev	.00059	.00170	.00175	.0128	.00030	.00001	2.46
%RSD	279.81	7.1262	47.560	.67270	.48030	4.8140	1.3503
#1	.00021	.02512	.00490	1.9102	.06245	.00009	184.14
#2	-.00063	.02271	.00243	1.8921	.06287	.00010	180.65
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00036	.00016	.03121	-.01172	33.327	62.038
SDev	.00006	.00052	.00049	.00014	.00606	.179	.515
%RSD	22.905	144.86	305.12	.45328	51.718	.53747	.83013
#1	.00023	.00072	.00050	.03131	-.00743	33.201	62.402
#2	.00031	-.00001	-.00018	.03111	-.01601	33.454	61.674
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11963	.37506	H129.22	.00235	.00234	.00353	.00411
SDev	.00075	.00189	1.92	.00049	.00357	.00315	.00104
%RSD	.62758	.50511	1.4890	20.661	152.75	89.229	25.249
#1	.12016	.37639	H130.58	.00270	.00486	.00130	.00485
#2	.11909	.37372	H127.86	.00201	-.00019	.00576	.00338
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00973	.00892	.00322	.00277	.00118	3.0268	.00097
SDev	.00306	.00265	.00093	.00075	.00071	.0057	.00009
%RSD	31.478	29.734	29.015	26.935	60.197	.18720	8.8934
#1	-.00756	.00704	.00256	.00224	.00168	3.0228	.00103
#2	-.01190	.01079	.00388	.00330	.00068	3.0308	.00090
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00218	.00316	.05569	6.1068
SDev	.00182	.00067	.00142	.0427
%RSD	83.464	21.221	2.5488	.69949
#1	-.00347	.00364	.05670	6.1371
#2	-.00089	.00269	.05469	6.0766
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	115898	--	--	--	--	--	--
SDev	635.6890	--	--	--	--	--	--
%RSD	.5484924	--	--	--	--	--	--
#1	115448	--	--	--	--	--	--
#2	116347	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-H-2-B Operator: TDS
Run Time: 10/28/10 10:02:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.91270	.00468	.30821	.05116	.00009	85.757
SDev	.00002	.00328	.00010	.00174	.00005	.00003	.066
%RSD	7.5731	.35956	2.1101	.56413	.10357	34.476	.07672
#1	.00018	.91502	.00475	.30698	.05120	.00011	85.711
#2	.00020	.91038	.00461	.30944	.05113	.00007	85.804
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	-.00000	.00344	.56633	.01290	127.97	-.00852
SDev	.00015	.00044	.00033	.00134	.00112	.40	.00512
%RSD	20.700	128900.	9.6204	.23591	8.7218	.30968	60.036
#1	-.00061	.00031	.00368	.56728	.01210	128.25	-.00490
#2	-.00082	-.00031	.00321	.56539	.01369	127.69	-.01214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00197	.75081	H114.55	.01263	.03089	.02950	.02110
SDev	.00005	.00292	.87	.00037	.00066	.00105	.00139
%RSD	2.4510	.38860	.75868	2.9469	2.1446	3.5643	6.5728
#1	.00193	.75287	H115.17	.01290	.03136	.02875	.02209
#2	.00200	.74875	H113.94	.01237	.03042	.03024	.02012
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04121	.06191	.03004	.05508	.00057	.54014	.00073
SDev	.00157	.00209	.00048	.00087	.00131	.00061	.00006
%RSD	3.8195	3.3826	1.5967	1.5815	227.37	.11275	8.8922
#1	.04232	.06043	.02970	.05446	.00150	.54057	.00068
#2	.04010	.06339	.03038	.05570	-.00035	.53971	.00077
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	L-.01759	.02268	.02981	9.4948
SDev	.00091	.00017	.00009	.0189
%RSD	5.1779	.75119	.29703	.19877
#1	L-.01695	.02280	.02987	9.5081
#2	L-.01823	.02256	.02974	9.4814

Errors	LC Low	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	117718	--	--	--	--	--	--
SDev	685.8936	--	--	--	--	--	--
%RSD	.5826582	--	--	--	--	--	--
#1	117233	--	--	--	--	--	--
#2	118203	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-H-3-B Operator: TDS
Run Time: 10/28/10 10:08:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	.01824	-.00323	.65327	.06717	.00007	111.02
SDev	.00010	.00010	.00082	.00091	.00014	.00001	.15
%RSD	26.982	.52037	25.376	.13930	.20709	8.3752	.13780
#1	.00029	.01831	-.00381	.65392	.06727	.00007	111.13
#2	.00042	.01817	-.00265	.65263	.06707	.00006	110.91
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.00017	.00005	.00172	-.02213	43.776	29.564
SDev	.00003	.00008	.00002	.00013	.00660	.232	.092
%RSD	19.256	49.492	36.204	7.6936	29.819	.52908	.31061
#1	-.00015	.00011	.00004	.00181	-.02679	43.940	29.629
#2	-.00020	.00023	.00007	.00162	-.01746	43.612	29.500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06031	.00822	26.347	.00103	.00427	.00086	.00070
SDev	.00010	.00036	.211	.00039	.00049	.00055	.00008
%RSD	.16387	4.4101	.80022	38.057	11.375	63.728	11.786
#1	.06038	.00848	26.496	.00130	.00393	.00047	.00075
#2	.06024	.00796	26.198	.00075	.00462	.00124	.00064
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00640	.00303	.00210	-.00004	.00261	.98077	.00045
SDev	.00306	.00085	.00052	.00159	.00026	.00179	.00009
%RSD	47.886	28.187	25.043	3798.9	9.8844	.18302	20.256
#1	-.00856	.00243	.00172	-.00117	.00279	.98204	.00052
#2	-.00423	.00364	.00247	.00108	.00243	.97950	.00039
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00362	.00109	.00534	4.9813
SDev	.00029	.00021	.00019	.0249
%RSD	7.9137	19.041	3.6494	.50038
#1	-.00342	.00124	.00520	4.9989
#2	-.00383	.00094	.00548	4.9637
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	119122	--	--	--	--	--	--
SDev	662.5591	--	--	--	--	--	--
%RSD	.5561997	--	--	--	--	--	--
#1	118654	--	--	--	--	--	--
#2	119591	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-4-B Operator: TDS
Run Time: 10/28/10 10:15:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	.26537	.00885	3.8427	.03908	.00009	65.639
SDev	.00024	.00060	.00019	.0011	.00002	.00001	.172
%RSD	195.51	.22467	2.1567	.02877	.06138	13.516	.26239
#1	.00029	.26579	.00872	3.8419	.03906	.00010	65.761
#2	-.00005	.26494	.00899	3.8435	.03909	.00008	65.517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.00013	.00183	.01264	.04256	82.974	2.0322
SDev	.00006	.00021	.00030	.00011	.00356	.042	.0029
%RSD	17.765	155.12	16.430	.86546	8.3524	.05014	.14388
#1	-.00041	-.00001	.00204	.01272	.04508	82.945	2.0343
#2	-.00032	.00028	.00161	.01256	.04005	83.004	2.0302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00267	1.2701	H123.20	.01077	.00007	.00011	.00747
SDev	.00002	.0022	.84	.00029	.00141	.00081	.00041
%RSD	.71603	.16977	.67981	2.6973	2163.6	709.40	5.4297
#1	.00269	1.2716	H123.80	.01097	.00106	.00069	.00719
#2	.00266	1.2686	H122.61	.01056	-.00093	-.00046	.00776
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00833	.02467	.00017	.01929	.00127	1.0205	.00105
SDev	.00090	.00081	.00101	.00084	.00030	.0008	.00009
%RSD	10.786	3.2984	609.02	4.3625	23.509	.07909	8.2477
#1	.00770	.02409	.00088	.01870	.00148	1.0199	.00111
#2	.00897	.02525	-.00055	.01989	.00106	1.0211	.00099
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	L-.01067	.00183	.00843	7.8037
SDev	.00341	.00033	.00035	.0110
%RSD	31.922	17.976	4.1264	.14071
#1	-.00826	.00159	.00867	7.8115
#2	L-.01308	.00206	.00818	7.7960

Errors	LC Low	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	117430	--	--	--	--	--	--
SDev	736.8052	--	--	--	--	--	--
%RSD	.6274421	--	--	--	--	--	--
#1	116909	--	--	--	--	--	--
#2	117951	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-D-5-B Operator: TDS
Run Time: 10/28/10 10:21:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.90421	.00530	.31400	.05136	.00010	84.154
SDev	.00023	.00173	.00114	.00119	.00012	.00002	.058
%RSD	133.65	.19157	21.513	.37919	.22865	21.342	.06917
#1	.00034	.90543	.00449	.31485	.05144	.00012	84.113
#2	.00001	.90298	.00610	.31316	.05128	.00009	84.195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.00021	.00355	.56779	.01659	128.89	-.00784
SDev	.00007	.00049	.00021	.00082	.01167	.26	.00049
%RSD	12.643	236.04	6.0009	.14390	70.321	.20175	6.2958
#1	-.00052	.00055	.00371	.56836	.02484	129.08	-.00819
#2	-.00062	-.00014	.00340	.56721	.00834	128.71	-.00749
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00152	.74574	H113.92	.01246	.03186	.02928	.02256
SDev	.00000	.00349	.34	.00011	.00087	.00171	.00072
%RSD	.27976	.46851	.29692	.88470	2.7189	5.8475	3.1903
#1	.00152	.74821	H114.16	.01238	.03247	.02806	.02205
#2	.00152	.74327	H113.68	.01254	.03125	.03049	.02307
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04126	.05892	.03021	.05310	.00004	.54024	.00079
SDev	.00369	.00114	.00085	.00047	.00101	.00066	.00006
%RSD	8.9452	1.9337	2.8010	.88719	2568.8	.12158	7.9562
#1	.04387	.05811	.02961	.05343	-.00067	.54070	.00083
#2	.03865	.05972	.03081	.05276	.00075	.53977	.00075
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	L-.01623	.02304	.03078	9.4861
SDev	.00020	.00030	.00008	.0015
%RSD	1.2162	1.2912	.26249	.01568
#1	L-.01637	.02283	.03073	9.4851
#2	L-.01609	.02325	.03084	9.4872

Errors	LC Low	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	118788	--	--	--	--	--	--
SDev	735.3910	--	--	--	--	--	--
%RSD	.6190786	--	--	--	--	--	--
#1	118268	--	--	--	--	--	--
#2	119308	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-6-E Operator: TDS
Run Time: 10/28/10 10:27:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.01642	-.00207	1.1041	.08424	.00005	132.87
SDev	.00036	.00112	.00053	.0016	.00018	.00001	.50
%RSD	184.97	6.8204	25.798	.14047	.21018	20.095	.37433
#1	-.00006	.01721	-.00244	1.1051	.08412	.00006	133.22
#2	.00044	.01563	-.00169	1.1030	.08437	.00005	132.51
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.00284	.00069	.00139	3.3058	20.476	26.969
SDev	.00010	.00021	.00014	.00017	.0151	.084	.042
%RSD	68.631	7.2776	20.329	12.040	.45629	.40996	.15554
#1	-.00007	.00298	.00079	.00151	3.3165	20.417	26.999
#2	-.00021	.00269	.00059	.00127	3.2951	20.535	26.940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63408	.01258	22.093	.07847	.00223	.00097	.00038
SDev	.00183	.00093	.085	.00071	.00138	.00090	.00074
%RSD	.28915	7.3907	.38540	.90373	62.078	92.503	193.52
#1	.63538	.01324	22.032	.07897	.00125	.00034	.00090
#2	.63279	.01192	22.153	.07797	.00320	.00160	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.01022	.00442	.00149	-.00039	.00312	1.0633	.00053
SDev	.00299	.00081	.00106	.00045	.00147	.0014	.00009
%RSD	29.256	18.358	71.113	116.70	47.132	.13398	16.948
#1	-.01233	.00500	.00074	-.00071	.00417	1.0623	.00060
#2	-.00810	.00385	.00224	-.00007	.00208	1.0643	.00047
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00438	.00105	.11850	8.8866
SDev	.00082	.00036	.00060	.0002
%RSD	18.652	34.097	.50670	.00280
#1	-.00380	.00131	.11892	8.8868
#2	-.00496	.00080	.11808	8.8864
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120113	--	--	--	--	--	--
SDev	90.50967	--	--	--	--	--	--
%RSD	.0753538	--	--	--	--	--	--
#1	120049	--	--	--	--	--	--
#2	120177	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-6-E SD @5 Operator: TDS
Run Time: 10/28/10 10:33:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.00671	-.00007	.22900	.01691	.00002	27.421
SDev	.00011	.00061	.00016	.00031	.00004	.00000	.038
%RSD	67.102	9.1596	227.46	.13395	.21132	17.571	.13743
#1	.00023	.00715	-.00019	.22922	.01689	.00002	27.394
#2	.00008	.00628	.00004	.22879	.01694	.00003	27.447
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.00048	.00003	.00019	.68473	3.7913	5.5506
SDev	.00021	.00008	.00007	.00016	.00981	.0084	.0039
%RSD	148.78	17.183	211.19	86.671	1.4327	.22265	.07032
#1	.00001	.00042	.00008	.00030	.69166	3.7973	5.5534
#2	-.00029	.00054	-.00002	.00007	.67779	3.7854	5.5478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13036	.00280	4.4248	.01642	.00049	.00059	-.00044
SDev	.00003	.00053	.0032	.00002	.00018	.00083	.00005
%RSD	.02182	19.122	.07228	.09765	36.095	141.10	11.440
#1	.13034	.00318	4.4270	.01643	.00037	.00000	-.00041
#2	.13038	.00242	4.4225	.01641	.00062	.00117	-.00048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00331	.00065	.00065	-.00060	-.00036	.21607	.00012
SDev	.00097	.00006	.00061	.00028	.00179	.00018	.00001
%RSD	29.289	9.7528	93.720	46.413	496.00	.08489	5.6530
#1	-.00399	.00069	.00022	-.00080	.00091	.21620	.00011
#2	-.00262	.00061	.00109	-.00041	-.00163	.21594	.00012
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00340	-.00007	.02586	1.8288
SDev	.00093	.00016	.00060	.0040
%RSD	27.205	215.15	2.3410	.21655
#1	-.00275	.00004	.02543	1.8316
#2	-.00406	-.00018	.02629	1.8260
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123443	--	--	--	--	--	--
SDev	118.7939	--	--	--	--	--	--
%RSD	.0962338	--	--	--	--	--	--
#1	123359	--	--	--	--	--	--
#2	123527	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-6-F DU Operator: TDS
Run Time: 10/28/10 10:39:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.01629	-.00105	1.1663	.08913	.00007	141.57
SDev	.00018	.00131	.00036	.0013	.00007	.00001	.06
%RSD	112.25	8.0674	34.606	.11357	.08220	11.202	.04062
#1	.00003	.01722	-.00079	1.1654	.08908	.00007	141.61
#2	.00029	.01536	-.00130	1.1673	.08918	.00008	141.53
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00287	.00077	.00139	3.5029	21.548	28.614
SDev	.00013	.00006	.00010	.00025	.0005	.028	.033
%RSD	49.561	2.0284	12.502	17.675	.01287	.12972	.11674
#1	-.00017	.00291	.00084	.00157	3.5026	21.568	28.638
#2	-.00036	.00283	.00071	.00122	3.5032	21.528	28.591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.67321	.01301	23.311	.08325	.00338	.00064	-.00042
SDev	.00014	.00044	.065	.00085	.00012	.00016	.00014
%RSD	.02020	3.3914	.27747	1.0155	3.6206	24.830	32.955
#1	.67331	.01332	23.357	.08385	.00330	.00053	-.00051
#2	.67312	.01269	23.265	.08265	.00347	.00076	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00911	.00290	.00164	-.00104	.00347	1.1254	.00049
SDev	.00214	.00046	.00017	.00102	.00057	.0004	.00011
%RSD	23.452	15.874	10.429	98.413	16.569	.03788	21.696
#1	-.01062	.00258	.00152	-.00176	.00307	1.1251	.00042
#2	-.00760	.00323	.00176	-.00032	.00388	1.1257	.00057
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00602	.00117	.12574	9.3974
SDev	.00046	.00036	.00011	.0098
%RSD	7.5677	31.150	.09054	.10396
#1	-.00635	.00143	.12582	9.4043
#2	-.00570	.00091	.12565	9.3905
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	118360	--	--	--	--	--	--
SDev	236.8808	--	--	--	--	--	--
%RSD	.2001367	--	--	--	--	--	--
#1	118192	--	--	--	--	--	--
#2	118527	--	--	--	--	--	--

Method: P51028A Sample Name: CCV Operator: TDS
Run Time: 10/28/10 10:48:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50588	49.898	.51271	.50740	.50780	.49985	25.336
SDev	.00066	.004	.00146	.00186	.00013	.00134	.037
%RSD	.13010	.00811	.28464	.36609	.02615	.26756	.14550
#1	.50542	49.901	.51168	.50609	.50771	.49891	25.309
#2	.50635	49.895	.51374	.50871	.50789	.50080	25.362
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49672	.48771	.49639	.51031	25.734	52.431	25.380
SDev	.00016	.00004	.00069	.00034	.069	.047	.032
%RSD	.03174	.00889	.13937	.06741	.26682	.09011	.12504
#1	.49661	.48768	.49590	.51055	25.686	52.397	25.357
#2	.49683	.48774	.49688	.51006	25.783	52.464	25.402
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0839	.50163	26.089	.49378	.49044	.50000	.50971
SDev	.0070	.00060	.012	.00088	.00015	.00211	.00688
%RSD	.13755	.11928	.04475	.17800	.03090	.42259	1.3493
#1	5.0789	.50121	26.097	.49316	.49055	.49851	.50485
#2	5.0888	.50206	26.081	.49440	.49034	.50149	.51458
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50229	.50592	.49688	.50477	.49656	.50700	.50361
SDev	.00021	.00014	.00135	.00016	.00081	.00033	.00077
%RSD	.04117	.02717	.27215	.03181	.16386	.06526	.15221
#1	.50215	.50582	.49593	.50466	.49598	.50677	.50306
#2	.50244	.50601	.49784	.50489	.49714	.50724	.50415
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.50746	4.9943	.47987	.49586
SDev	.00107	.0095	.00102	.00555
%RSD	.21102	.19077	.21270	1.1194
#1	.50821	4.9876	.47915	.49979
#2	.50670	5.0011	.48060	.49194
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120794	--	--	--	--	--	--
SDev	55.86144	--	--	--	--	--	--
%RSD	.0462450	--	--	--	--	--	--
#1	120755	--	--	--	--	--	--
#2	120834	--	--	--	--	--	--

Method: P51028A Sample Name: CCB Operator: TDS
Run Time: 10/28/10 10:54:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	.01909	.00015	.00139	.00012	.00014	.00405
SDev	.00008	.00228	.00022	.00077	.00004	.00001	.00094
%RSD	27.567	11.932	144.59	55.071	32.732	10.257	23.187
#1	.00023	.02070	-.00000	.00193	.00015	.00015	.00471
#2	.00035	.01748	.00030	.00085	.00010	.00013	.00338
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	-.00025	-.00024	.00026	.01264	.00123	.00823
SDev	.00003	.00050	.00041	.00009	.00181	.00792	.00414
%RSD	43.036	197.54	170.22	35.094	14.362	642.19	50.269
#1	-.00006	-.00060	-.00053	.00032	.01392	-.00437	.00531
#2	-.00010	.00010	.00005	.00019	.01136	.00684	.01116
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00046	-.00078	.00286	-.00042	-.00009	-.00058	-.00051
SDev	.00025	.00107	.00109	.00032	.00035	.00033	.00055
%RSD	54.446	137.09	38.064	77.416	380.47	56.571	108.37
#1	.00063	-.00153	.00364	-.00065	.00016	-.00035	-.00089
#2	.00028	-.00002	.00209	-.00019	-.00034	-.00081	-.00012
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00080	-.00032	.00060	-.00064	.00010	.00028
SDev	.00152	.00031	.00034	.00030	.00127	.00001	.00010
%RSD	29045.	39.157	105.28	49.928	197.45	8.9591	36.140
#1	-.00107	.00102	-.00008	.00039	-.00154	.00009	.00035
#2	.00108	.00058	-.00056	.00081	.00025	.00011	.00023
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00028	.00060	.00025	.00072
SDev	.00167	.00011	.00023	.00088
%RSD	589.13	18.378	91.519	121.96
#1	-.00146	.00067	.00009	.00135
#2	.00090	.00052	.00041	.00010
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123395	--	--	--	--	--	--
SDev	43.84062	--	--	--	--	--	--
%RSD	.0355287	--	--	--	--	--	--
#1	123426	--	--	--	--	--	--
#2	123364	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-~~0~~-6-~~0~~ MS Operator: TDS
Run Time: 10/28/10 11:00:39
Comment:
Mode: CONC Corr. Factor: 1

D A
B 10/28/10

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04771	1.9861	.09428	2.0397	2.0067	.04703	144.33
SDev	.00015	.0057	.00174	.0062	.0005	.00011	.15
%RSD	.31983	.28692	1.8492	.30429	.02351	.23226	.10335
#1	.04782	1.9821	.09551	2.0353	2.0064	.04695	144.22
#2	.04760	1.9901	.09305	2.0440	2.0071	.04711	144.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04687	.47491	.19321	.25250	4.4274	30.867	36.829
SDev	.00045	.00040	.00045	.00070	.0053	.088	.058
%RSD	.95190	.08325	.23489	.27829	.12083	.28373	.15625
#1	.04718	.47463	.19289	.25201	4.4312	30.805	36.788
#2	.04655	.47519	.19353	.25300	4.4236	30.929	36.869
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1163	.97539	30.984	.54167	.09705	.09576	.48520
SDev	.0009	.00408	.097	.00088	.00079	.00062	.00351
%RSD	.07786	.41814	.31253	.16193	.81481	.64459	.72433
#1	1.1157	.97250	30.915	.54229	.09761	.09532	.48271
#2	1.1169	.97827	31.052	.54105	.09649	.09620	.48768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07856	.08961	.09627	.08599	.95821	2.0313	.97210
SDev	.00255	.00024	.00015	.00101	.00111	.0016	.00163
%RSD	3.2511	.26336	.15346	1.1731	.11552	.07917	.16822
#1	.08036	.08977	.09617	.08671	.95899	2.0301	.97094
#2	.07675	.08944	.09638	.08528	.95742	2.0324	.97325
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09470	.48576	.54303	13.430
SDev	.00287	.00161	.00087	.073
%RSD	3.0273	.33222	.16027	.53990
#1	.09267	.48462	.54242	13.378
#2	.09673	.48690	.54365	13.481
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	118271	--	--	--	--	--	--
SDev	240.4163	--	--	--	--	--	--
%RSD	.2032758	--	--	--	--	--	--
#1	118101	--	--	--	--	--	--
#2	118441	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-~~C~~ D-6-~~A~~ B MSD Operator: TDS
Run Time: 10/28/10 11:06:51
Comment:
Mode: CONC Corr. Factor: 1

TJ 10/29/10

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04833	2.0255	.09559	2.0937	2.0477	.04733	148.78
SDev	.00013	.0071	.00020	.0028	.0053	.00001	.24
%RSD	.27406	.35284	.20689	.13182	.26044	.02702	.15954
#1	.04842	2.0306	.09573	2.0957	2.0514	.04732	148.62
#2	.04823	2.0205	.09545	2.0918	2.0439	.04734	148.95
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04704	.47664	.19409	.25897	4.3720	32.106	37.617
SDev	.00005	.00062	.00046	.00127	.0172	.111	.012
%RSD	.10154	.13001	.23760	.48968	.39316	.34501	.03083
#1	.04708	.47621	.19377	.25987	4.3598	32.185	37.625
#2	.04701	.47708	.19442	.25808	4.3841	32.028	37.608
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1628	.98261	32.239	.54677	.09731	.09833	.49070
SDev	.0003	.00042	.180	.00009	.00085	.00081	.00031
%RSD	.02932	.04252	.55703	.01608	.87419	.82795	.06331
#1	1.1625	.98231	32.366	.54684	.09792	.09890	.49092
#2	1.1630	.98290	32.112	.54671	.09671	.09775	.49048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07870	.09206	.09807	.08767	.96296	2.0880	.98435
SDev	.00087	.00035	.00083	.00052	.00200	.0046	.00049
%RSD	1.1076	.37569	.84276	.59461	.20726	.22105	.04934
#1	.07932	.09230	.09866	.08804	.96155	2.0913	.98469
#2	.07808	.09181	.09749	.08730	.96437	2.0848	.98401
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09614	.49016	.57337	13.820
SDev	.00154	.00087	.00231	.008
%RSD	1.6001	.17699	.40272	.05684
#1	.09723	.49077	.57174	13.825
#2	.09505	.48955	.57500	13.814
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	117292	--	--	--	--	--	--
SDev	323.1478	--	--	--	--	--	--
%RSD	.2755083	--	--	--	--	--	--
#1	117063	--	--	--	--	--	--
#2	117520	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-J-8-B Operator: TDS
Run Time: 10/28/10 11:13:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.02430	.00014	.45034	.19159	.00010	111.40
SDev	.00006	.00101	.00031	.00125	.00029	.00001	.30
%RSD	414.59	4.1398	221.47	.27777	.15305	7.9011	.26698
#1	-.00003	.02502	.00036	.44945	.19139	.00009	111.62
#2	.00005	.02359	-.00008	.45122	.19180	.00010	111.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00138	.00013	.00077	.22194	5.1892	56.559
SDev	.00001	.00035	.00050	.00003	.00252	.0366	.010
%RSD	6.6636	25.419	392.94	3.8488	1.1351	.70497	.01789
#1	-.00019	.00163	.00048	.00075	.22372	5.1634	56.552
#2	-.00018	.00114	-.00022	.00079	.22016	5.2151	56.566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12510	.08323	H122.44	.00265	.00114	.00054	.00001
SDev	.00021	.00032	.03	.00009	.00004	.00027	.00005
%RSD	.16988	.38447	.02640	3.3423	3.5336	50.363	543.19
#1	.12525	.08345	H122.47	.00259	.00111	.00073	.00005
#2	.12495	.08300	H122.42	.00271	.00117	.00035	-.00003
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.01087	.00212	.00082	-.00214	.00306	3.8253	.00071
SDev	.00054	.00139	.00014	.00075	.00070	.0061	.00012
%RSD	4.9803	65.884	17.516	34.923	22.859	.15853	17.116
#1	-.01049	.00113	.00093	-.00267	.00257	3.8210	.00079
#2	-.01125	.00310	.00072	-.00161	.00356	3.8295	.00062
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00443	.00230	.00625	7.5305
SDev	.00072	.00009	.00006	.0131
%RSD	16.199	3.8276	1.0168	.17458
#1	-.00392	.00237	.00630	7.5212
#2	-.00493	.00224	.00621	7.5398
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	118314	--	--	--	--	--	--
SDev	249.6087	--	--	--	--	--	--
%RSD	.2109705	--	--	--	--	--	--
#1	118138	--	--	--	--	--	--
#2	118491	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-10-B Operator: TDS
Run Time: 10/28/10 11:19:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.01631	-.00163	1.7769	.10210	.00009	102.00
SDev	.00037	.00068	.00066	.0002	.00005	.00001	.01
%RSD	124.21	4.1454	40.606	.01040	.04465	7.0426	.00693
#1	.00056	.01584	-.00116	1.7770	.10213	.00008	102.00
#2	.00004	.01679	-.00209	1.7767	.10207	.00009	102.01
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00204	.00078	.00258	.01077	40.694	31.042
SDev	.00002	.00003	.00002	.00011	.00602	.020	.020
%RSD	7.5091	1.2503	2.3336	4.2431	55.936	.05027	.06389
#1	-.00028	.00206	.00077	.00266	.01503	40.709	31.056
#2	-.00025	.00202	.00079	.00251	.00651	40.680	31.028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29336	.00388	26.751	.00469	.00358	.00142	.00099
SDev	.00041	.00013	.009	.00006	.00013	.00050	.00018
%RSD	.14000	3.4368	.03462	1.2768	3.6278	34.986	18.222
#1	.29365	.00398	26.745	.00473	.00349	.00177	.00086
#2	.29307	.00379	26.758	.00464	.00367	.00107	.00112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00754	.00316	.00224	-.00034	.00293	.96420	.00049
SDev	.00146	.00076	.00029	.00002	.00021	.00110	.00002
%RSD	19.337	24.050	12.863	6.2954	7.1137	.11367	4.5798
#1	-.00857	.00370	.00244	-.00032	.00308	.96497	.00048
#2	-.00651	.00262	.00204	-.00035	.00278	.96342	.00051
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00473	.00176	.02022	5.3824
SDev	.00223	.00009	.00036	.0070
%RSD	47.084	5.0479	1.7913	.13054
#1	-.00315	.00182	.02048	5.3774
#2	-.00630	.00170	.01996	5.3874
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	119299	--	--	--	--	--	--
SDev	448.3057	--	--	--	--	--	--
%RSD	.3757833	--	--	--	--	--	--
#1	118982	--	--	--	--	--	--
#2	119616	--	--	--	--	--	--

Method: P51028A Sample Name: 28652-G-11-B Operator: TDS
Run Time: 10/28/10 11:25:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.02106	-.00185	.85375	.11097	.00010	100.00
SDev	.00019	.00118	.00318	.00173	.00023	.00000	.29
%RSD	100.11	5.6106	171.44	.20293	.20373	.12426	.28739
#1	.00006	.02023	-.00410	.85253	.11113	.00010	99.798
#2	.00033	.02190	.00039	.85498	.11081	.00010	100.20
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00017	.00064	.00032	1.4542	6.0876	33.790
SDev	.00024	.00034	.00035	.00027	.0176	.0255	.027
%RSD	96.987	201.84	55.229	84.810	1.2113	.41964	.08114
#1	-.00008	.00041	.00089	.00013	1.4417	6.1056	33.770
#2	-.00042	-.00007	.00039	.00052	1.4667	6.0695	33.809
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29431	.00893	29.924	.00032	.00224	.00039	-.00006
SDev	.00006	.00038	.024	.00002	.00009	.00065	.00029
%RSD	.01978	4.2297	.08092	5.4535	4.1402	166.92	474.82
#1	.29435	.00919	29.941	.00033	.00231	.00084	-.00026
#2	.29427	.00866	29.907	.00031	.00218	-.00007	.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00839	.00415	.00107	.00003	.00365	.56204	.00046
SDev	.00336	.00112	.00046	.00186	.00059	.00108	.00006
%RSD	39.889	27.060	43.095	5568.1	16.047	.19251	12.568
#1	-.00603	.00494	.00140	.00135	.00406	.56280	.00042
#2	-.01076	.00335	.00075	-.00128	.00323	.56127	.00050
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00627	.00183	.00500	6.7182
SDev	.00088	.00005	.00029	.0086
%RSD	13.994	2.9527	5.8500	.12829
#1	-.00689	.00187	.00479	6.7121
#2	-.00565	.00179	.00521	6.7243
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120130	--	--	--	--	--	--
SDev	574.8778	--	--	--	--	--	--
%RSD	.4785444	--	--	--	--	--	--
#1	119724	--	--	--	--	--	--
#2	120537	--	--	--	--	--	--

Method: P51028A Sample Name: CCV Operator: TDS
Run Time: 10/28/10 12:04:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50840	50.627	.51891	.51451	.51466	.50093	25.296
SDev	.00017	.034	.00149	.00272	.00061	.00129	.025
%RSD	.03389	.06645	.28793	.52965	.11837	.25696	.09846
#1	.50852	50.603	.51996	.51643	.51423	.50184	25.314
#2	.50828	50.651	.51785	.51258	.51509	.50002	25.279
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49391	.48742	.49559	.51895	25.715	53.381	25.529
SDev	.00109	.00035	.00026	.00023	.018	.064	.006
%RSD	.22038	.07247	.05245	.04352	.07055	.11926	.02180
#1	.49314	.48717	.49541	.51911	25.728	53.336	25.525
#2	.49467	.48767	.49577	.51879	25.703	53.426	25.533
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0915	.50174	26.638	.49283	.49077	.50554	.51180
SDev	.0065	.00194	.033	.00031	.00035	.00192	.00421
%RSD	.12747	.38585	.12384	.06321	.07193	.37942	.82160
#1	5.0960	.50037	26.615	.49305	.49052	.50689	.50882
#2	5.0869	.50311	26.661	.49260	.49102	.50418	.51477
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50242	.50868	.50068	.50666	.49295	.51234	.50799
SDev	.00062	.00085	.00116	.00036	.00149	.00010	.00049
%RSD	.12345	.16737	.23190	.07122	.30186	.01895	.09573
#1	.50286	.50808	.50150	.50641	.49189	.51227	.50834
#2	.50199	.50928	.49986	.50692	.49400	.51241	.50765
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51108	5.0173	.47441	.51124
SDev	.00554	.0067	.00093	.00502
%RSD	1.0836	.13388	.19592	.98175
#1	.51500	5.0220	.47506	.51478
#2	.50717	5.0125	.47375	.50769
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	119842	--	--	--	--	--	--
SDev	23.33452	--	--	--	--	--	--
%RSD	.0194712	--	--	--	--	--	--
#1	119858	--	--	--	--	--	--
#2	119825	--	--	--	--	--	--

Method: P51028A Sample Name: CCB Operator: TDS
Run Time: 10/28/10 12:11:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	.01811	-.00077	.00083	.00009	.00013	.00316
SDev	.00018	.00021	.00143	.00054	.00002	.00003	.00098
%RSD	50.791	1.1407	185.66	65.428	24.735	18.849	31.001
#1	.00023	.01796	.00024	.00121	.00011	.00015	.00386
#2	.00049	.01826	-.00178	.00045	.00007	.00011	.00247
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00009	-.00002	-.00006	.00016	.00989	.00864
SDev	.00010	.00018	.00014	.00019	.00774	.00811	.00021
%RSD	99.126	209.23	702.81	296.49	4859.7	82.022	2.4022
#1	.00003	.00021	.00008	.00007	.00563	.01563	.00879
#2	.00017	-.00004	-.00011	-.00020	-.00531	.00415	.00849
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00024	.00123	.00612	.00001	-.00039	.00195	.00031
SDev	.00012	.00032	.00115	.00020	.00004	.00041	.00048
%RSD	50.630	26.467	18.859	2097.8	9.3035	21.089	156.41
#1	.00032	.00100	.00694	-.00013	-.00036	.00224	.00065
#2	.00015	.00146	.00530	.00015	-.00041	.00166	-.00003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	.00018	.00127	.00004	-.00080	.00011	.00023
SDev	.00519	.00168	.00029	.00061	.00022	.00002	.00012
%RSD	1213.0	955.55	22.576	1557.8	27.919	16.810	50.890
#1	.00324	-.00101	.00147	.00047	-.00064	.00012	.00031
#2	-.00409	.00136	.00107	-.00039	-.00095	.00009	.00015
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00052	.00052	-.00002	-.00002
SDev	.00019	.00053	.00049	.00025
%RSD	35.939	103.02	2641.6	1313.6
#1	-.00039	.00089	.00033	-.00020
#2	-.00065	.00014	-.00037	.00016
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124230	--	--	--	--	--	--
SDev	96.16652	--	--	--	--	--	--
%RSD	.0774101	--	--	--	--	--	--
#1	124162	--	--	--	--	--	--
#2	124298	--	--	--	--	--	--

Metals Worksheet

Batch Number: 500-98134
Method: 245.1
Analyst: Roach, Jessica

Date Open: Oct 26 2010 10:10AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	M09LSTKHG_00001	M10CSTKHG_00001
STD01REP1~500-98134/1						
STD02REP1~500-98134/2						
STD03REP1~500-98134/3						
STD04REP1~500-98134/4						
STD05REP1~500-98134/5						
STD06REP1~500-98134/6						
ICV~500-98134/8		245.1		25 mL		0.00005 mL
ICB~500-98134/9		245.1				
CRA~500-98134/10		245.1		25 mL	0.000005 mL	
MB~500-98042/7-A		245.1				
LCS~500-98042/8-A		245.1				
500-28670-D-1-B	70124	245.1	T			
500-28717-B-1-B	1159-10	245.1	T			
500-28745-B-1-A	KRUPP GERLACH	245.1	T			
500-28656-K-1-A	MW-110	7470A	T			
500-28656-K-2-A	MW-109	7470A	T			
CCV~500-98134/21		245.1		25 mL		0.000025 mL
CCB~500-98134/22		245.1				
500-28656-K-3-A	MW-104	7470A	T			
500-28656-K-4-A	MW-103	7470A	T			
500-28656-K-5-A	MW-201	7470A	T			

Metals Worksheet

Batch Number: 500-98134
Method: 245.1
Analyst: Roach, Jessica

Date Open: Oct 26 2010 10:10AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	M09LSTKHG_00001	M10CSTKHG_00001
500-28656-K-6-A	DUP1	7470A	T			
500-28713-K-1-A	MW202	7470A	T			
500-28713-K-2-A	MW106	7470A	T			
500-28713-K-3-A	MW105	7470A	T			
500-28713-K-4-A	MWA	7470A	T			
500-28713-K-5-A	MW108	7470A	T			
500-28713-K-6-A	MW101	7470A	T			
CCV~500-98134/33		7470A		25 mL		0.000025 mL
CCB~500-98134/34		7470A				
500-28713-K-6-B~DU		7470A	T			
500-28713-K-6-C~MS	MW101	7470A	T			
500-28713-K-6-D~MSD	MW101	7470A	T			
500-28713-K-7-A	DUP2	7470A	T			
500-28713-K-8-A	MW102	7470A	T			
500-28713-K-9-A	MW205	7470A	T			
500-28713-K-10-A	MW206	7470A	T			
CCV~500-98134/42		7470A		25 mL		0.000025 mL
CCB~500-98134/43		7470A				
MB~500-98043/7-A		7470A				
LCS~500-98043/8-A		7470A				
500-28571-G-1-B	MW17-003-101014	7470A	D			
500-28710-C-1-B	TMW-1	7470A	T			
500-28710-C-2-B	TMW-2	7470A	T			
500-28710-C-3-B	TMW-3	7470A	T			
500-28710-C-4-B	TMW-4	7470A	T			

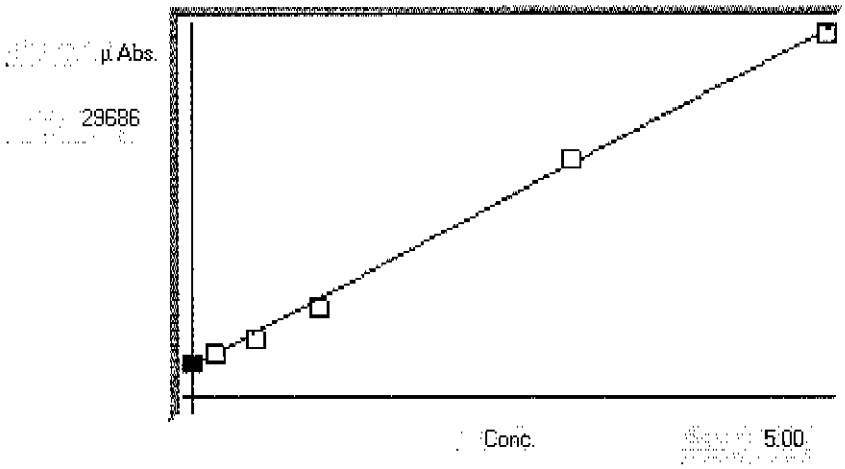
Metals Worksheet

Batch Number: 500-98134
Method: 245.1
Analyst: Roach, Jessica

Date Open: Oct 26 2010 10:10AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	M09LSTKHG_00001	M10CSTKHG_00001
CCV~500-98134/51		7470A		25 mL		0.000025 mL
CCB~500-98134/52		7470A				
500-28710-C-5-B	TMW-5	7470A	T			
500-28710-C-6-B	TMW-6	7470A	T			
500-28710-C-7-B	TMW-7	7470A	T			
500-28710-C-8-B	TMW-8	7470A	T			
500-28710-C-9-B	TMW-9	7470A	T			
500-28652-G-1-A	VLF-MW-1	7470A	T			
500-28652-H-2-A	VLF-MW-2	7470A	T			
500-28652-H-3-A	VLF-MW-3	7470A	T			
500-28652-G-4-A	VLF-MW-4	7470A	T			
500-28652-D-5-A	VLF-MW-2 DUP	7470A	T			
CCV~500-98134/63		7470A		25 mL		0.000025 mL
CCB~500-98134/64		7470A				
500-28652-G-6-A	OLD-MW-4	7470A	T			
500-28652-G-6-B~DU		7470A	T			
500-28652-G-6-C~MS	OLD-MW-4 MS	7470A	T			
500-28652-G-6-D~MSD	OLD-MW-4 MSD	7470A	T			
500-28652-J-8-A	VLF-MW-7	7470A	T			
500-28652-G-10-A	VLF-MW-5	7470A	T			
500-28652-G-11-A	VLF-MW-6	7470A	T			
CCV~500-98134/72		7470A		25 mL		0.000025 mL
CCB~500-98134/73		7470A				

Protocol: Water



Linear

☑ Calibrated

☑ Accepted

A

B 1.82140e-4

C -4.53414e-1

Rhc .999347

Accepted Date: 26-Oct-10 10:24

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.069	.069	2868	1	2867				
02	.20000	.201	.001	3594	0%	3593				
03	.50000	.450	-.050	4961	0%	4960				
04	1.0000	.924	-.076	7565	0%	7564				
05	3.0000	3.10	.102	19522	0%	19522				
06	5.0000	4.95	-.046	29686	0%	29686				
07										
08										
09										
10										

Jessica Rock
10/26/10

Folder: 102610
Protocol: Water
POST-RUN REPORT

H65

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	10:10:20 26 Oct 10	HG		
Hg	.000	ppb	2867					
*** Standard: 2 Rep: 1				Seq: 2	10:12:58 26 Oct 10	HG		
Hg	.200	ppb	3593					
*** Standard: 3 Rep: 1				Seq: 3	10:15:50 26 Oct 10	HG		
Hg	.500	ppb	4960					
*** Standard: 4 Rep: 1				Seq: 4	10:18:27 26 Oct 10	HG		
Hg	1.00	ppb	7564					
*** Standard: 5 Rep: 1				Seq: 5	10:21:05 26 Oct 10	HG		
Hg	3.00	ppb	19522					
*** Standard: 6 Rep: 1				Seq: 6	10:24:23 26 Oct 10	HG		
Hg	5.00	ppb	29686					
~~*** Sample ID: ICV~~				~~Seq: 7~~	~~10:27:03 26 Oct 10~~	~~HG~~		
~~Hg 1.83 ppb .000 1.83~~								
*** Sample ID: ICV				Seq: 8	10:29:39 26 Oct 10	HG		
Hg	1.93	ppb	.000	1.93				
*** Sample ID: ICB				Seq: 9	10:32:16 26 Oct 10	HG		
Hg	-.102	ppb	.000	-.102				
*** Sample ID: CRA				Seq: 10	10:34:55 26 Oct 10	HG		
Hg	.114	ppb	.000	.114				
*** Sample ID: MB				Seq: 11	10:37:34 26 Oct 10	HG		
Hg	-.087	ppb	.000	-.087				

JR 10/26/10

Jessica Rod
10/26/10

98042
98043 | 98134

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCS				Seq: 12	10:40:11 26 Oct 10	HG		
Hg	2.04	ppb	.000	2.04				
*** Sample ID: 28670-1				Seq: 13	10:42:54 26 Oct 10	HG		
Hg	-.129	ppb	.000	-.129				
*** Sample ID: 28717-1				Seq: 14	10:45:51 26 Oct 10	HG		
Hg	-.024	ppb	.000	-.024				
*** Sample ID: 28745-1				Seq: 15	10:48:30 26 Oct 10	HG		
Hg	-.007	ppb	.000	-.007				
*** Sample ID: 28656-1				Seq: 16	10:51:09 26 Oct 10	HG		
Hg	-.105	ppb	.000	-.105				
*** Sample ID: 28656-2				Seq: 17	10:53:49 26 Oct 10	HG		
Hg	-.119	ppb	.000	-.119				
~~*** Sample ID: CCV~~				~~Seq: 18~~	~~10:56:48 26 Oct 10~~	HG		
Hg	.885	ppb	.000	.885				
*** Sample ID: CCB				Seq: ~~19~~ JK 10/26/10	10:59:26 26 Oct 10	HG		
Hg	-.102	ppb	.000	-.102				
*** Sample ID: 28565-3				Seq: 20	11:02:04 26 Oct 10	HG		
Hg	-.117	ppb	.000	-.117				
*** Sample ID: CCV				Seq: 21	11:08:54 26 Oct 10	HG		
Hg	1.07	ppb	.000	1.07				

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB Seq: 22 11:11:31 26 Oct 10 HG

Hg	-.100	ppb	.000	-.100	=

*** Sample ID: 28565-3 Seq: 23 11:14:08 26 Oct 10 HG

Hg	-.114	ppb	.000	-.114	=

*** Sample ID: 28565-4 Seq: 24 11:16:46 26 Oct 10 HG

Hg	-.102	ppb	.000	-.102	=

*** Sample ID: 28565-5 Seq: 25 11:19:28 26 Oct 10 HG

Hg	-.072	ppb	.000	-.072	=

*** Sample ID: 28565-6 Seq: 26 11:28:47 26 Oct 10 HG

Hg	-.111	ppb	.000	-.111	=

*** Sample ID: 28713-1 Seq: 27 11:31:26 26 Oct 10 HG

Hg	-.092	ppb	.000	-.092	=

*** Sample ID: 28713-2 Seq: 28 11:34:08 26 Oct 10 HG

Hg	-.117	ppb	.000	-.117	=

*** Sample ID: 28713-3 Seq: 29 11:36:48 26 Oct 10 HG

Hg	-.100	ppb	.000	-.100	=

*** Sample ID: 28713-4 Seq: 30 11:40:03 26 Oct 10 HG

Hg	-.124	ppb	.000	-.124	=

*** Sample ID: 28713-5 Seq: 31 11:42:43 26 Oct 10 HG

Hg	-.114	ppb	.000	-.114	=

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 28713-6				Seq: 32	11:45:21 26 Oct 10	HG		
Hg	-.063	ppb	.000	-.063				
*** Sample ID: CCV				Seq: 33	11:47:59 26 Oct 10	HG		
Hg	.895	ppb	.000	.895				
*** Sample ID: CCB				Seq: 34	11:50:37 26 Oct 10	HG		
Hg	-.093	ppb	.000	-.093				
*** Sample ID: 28713-6 R				Seq: 35	11:53:18 26 Oct 10	HG		
Hg	-.045	ppb	.000	-.045				
*** Sample ID: 28713-6 S				Seq: 36	11:56:07 26 Oct 10	HG		
Hg	1.17	ppb	.000	1.17				
*** Sample ID: 28713-6 T				Seq: 37	11:59:09 26 Oct 10	HG		
Hg	1.03	ppb	.000	1.03				
*** Sample ID: 28713-7				Seq: 38	12:01:57 26 Oct 10	HG		
Hg	-.103	ppb	.000	-.103				
*** Sample ID: 28713-8				Seq: 39	12:04:37 26 Oct 10	HG		
Hg	-.079	ppb	.000	-.079				
*** Sample ID: 28713-9				Seq: 40	12:07:18 26 Oct 10	HG		
Hg	-.084	ppb	.000	-.084				
*** Sample ID: 28713-10				Seq: 41	12:09:56 26 Oct 10	HG		
Hg	-.082	ppb	.000	-.082				

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCV				Seq: 42	12:12:35 26 Oct 10	HG		
Hg	.865	ppb	.000	.865				
*** Sample ID: CCB				Seq: 43	12:15:15 26 Oct 10	HG		
Hg	-.064	ppb	.000	-.064				
*** Sample ID: MB				Seq: 44	12:18:06 26 Oct 10	HG		
Hg	-.089	ppb	.000	-.089				
*** Sample ID: LCS				Seq: 45	12:20:45 26 Oct 10	HG		
Hg	2.01	ppb	.000	2.01				
*** Sample ID: 28571-1				Seq: 46	12:23:26 26 Oct 10	HG		
Hg	.074	ppb	.000	.074				
*** Sample ID: 28710-1				Seq: 47	12:26:17 26 Oct 10	HG		
Hg	-.083	ppb	.000	-.083				
*** Sample ID: 28710-2				Seq: 48	12:28:55 26 Oct 10	HG		
Hg	-.060	ppb	.000	-.060				
*** Sample ID: 28710-3				Seq: 49	12:31:38 26 Oct 10	HG		
Hg	.172	ppb	.000	.172				
*** Sample ID: 28710-4				Seq: 50	12:34:19 26 Oct 10	HG		
Hg	.287	ppb	.000	.287				
*** Sample ID: CCV				Seq: 51	12:37:21 26 Oct 10	HG		
Hg	.861	ppb	.000	.861				

Folder: 102610
Protocol: Water
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB					Seq: 52	12:40:00 26 Oct 10		HG
Hg	-.089	ppb	.000	-.089				
*** Sample ID: 28710-5					Seq: 53	12:42:49 26 Oct 10		HG
Hg	-.049	ppb	.000	-.049				
*** Sample ID: 28710-6					Seq: 54	12:45:27 26 Oct 10		HG
Hg	-.122	ppb	.000	-.122				
*** Sample ID: 28710-7					Seq: 55	12:48:06 26 Oct 10		HG
Hg	-.045	ppb	.000	-.045				
*** Sample ID: 28710-8					Seq: 56	12:50:47 26 Oct 10		HG
Hg	.406	ppb	.000	.406				
*** Sample ID: 28710-9					Seq: 57	12:53:26 26 Oct 10		HG
Hg	-.042	ppb	.000	-.042				
*** Sample ID: 28652-1					Seq: 58	12:56:08 26 Oct 10		HG
Hg	.022	ppb	.000	.022				
*** Sample ID: 28652-2					Seq: 59	12:58:59 26 Oct 10		HG
Hg	.056	ppb	.000	.056				
*** Sample ID: 28652-3					Seq: 60	13:02:18 26 Oct 10		HG
Hg	-.114	ppb	.000	-.114				
*** Sample ID: 28652-4					Seq: 61	13:05:09 26 Oct 10		HG
Hg	.522	ppb	.000	.522				

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 28652-5				Seq: 62	13:07:48 26 Oct 10	HG		
Hg	.111	ppb	.000	.111				
*** Sample ID: CCV				Seq: 63	13:10:40 26 Oct 10	HG		
Hg	1.05	ppb	.000	1.05				
*** Sample ID: CCB				Seq: 64	13:13:23 26 Oct 10	HG		
Hg	-.054	ppb	.000	-.054				
*** Sample ID: 28652-6				Seq: 65	13:16:04 26 Oct 10	HG		
Hg	-.101	ppb	.000	-.101				
*** Sample ID: 28652-6 R				Seq: 66	13:18:44 26 Oct 10	HG		
Hg	-.114	ppb	.000	-.114				
*** Sample ID: 28652-6 S				Seq: 67	13:21:23 26 Oct 10	HG		
Hg	.931	ppb	.000	.931				
*** Sample ID: 28652-6 T				Seq: 68	13:24:03 26 Oct 10	HG		
Hg	.933	ppb	.000	.933				
*** Sample ID: 28652-8				Seq: 69	13:26:49 26 Oct 10	HG		
Hg	-.117	ppb	.000	-.117				
*** Sample ID: 28652-10				Seq: 70	13:29:38 26 Oct 10	HG		
Hg	-.091	ppb	.000	-.091				
*** Sample ID: 28652-11				Seq: 71	13:32:27 26 Oct 10	HG		
Hg	-.120	ppb	.000	-.120				

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV Seq: 72 13:35:09 26 Oct 10 HG

Hg	.875	ppb	.000	.875

=

*** Sample ID: CCB Seq: 73 13:37:50 26 Oct 10 HG

Hg	-.095	ppb	.000	-.095

=

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		10:10:20 26 Oct 10		HG
Hg	.000	ppb	2867					
*** Standard: 2 Rep: 1				Seq: 2		10:12:58 26 Oct 10		HG
Hg	.200	ppb	3593					
*** Standard: 3 Rep: 1				Seq: 3		10:15:50 26 Oct 10		HG
Hg	.500	ppb	4960					
*** Standard: 4 Rep: 1				Seq: 4		10:18:27 26 Oct 10		HG
Hg	1.00	ppb	7564					
*** Standard: 5 Rep: 1				Seq: 5		10:21:05 26 Oct 10		HG
Hg	3.00	ppb	19522					
*** Standard: 6 Rep: 1				Seq: 6		10:24:23 26 Oct 10		HG
Hg	5.00	ppb	29686					
~~*** Sample ID: ICV~~				~~Seq: 7~~		~~10:27:03 26 Oct 10~~		~~HG~~
~~Hg~~	~~1.83~~	~~ppb~~	~~12530~~					
*** Sample ID: ICV				Seq: 8		10:29:39 26 Oct 10		HG
Hg	1.93	ppb	13065					
*** Sample ID: ICB				Seq: 9		10:32:16 26 Oct 10		HG
Hg	-.102	ppb	1929					
*** Sample ID: CRA				Seq: 10		10:34:55 26 Oct 10		HG
Hg	.114	ppb	3115					
*** Sample ID: MB				Seq: 11		10:37:34 26 Oct 10		HG
Hg	-.087	ppb	2012					

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCS				Seq: 12	10:40:11 26 Oct 10	HG		
Hg	2.04	ppb	13687					
*** Sample ID: 28670-1				Seq: 13	10:42:54 26 Oct 10	HG		
Hg	-.129	ppb	1779					
*** Sample ID: 28717-1				Seq: 14	10:45:51 26 Oct 10	HG		
Hg	-.024	ppb	2355					
*** Sample ID: 28745-1				Seq: 15	10:48:30 26 Oct 10	HG		
Hg	-.007	ppb	2453					
*** Sample ID: 28656-1				Seq: 16	10:51:09 26 Oct 10	HG		
Hg	-.105	ppb	1912					
*** Sample ID: 28656-2				Seq: 17	10:53:49 26 Oct 10	HG		
Hg	-.119	ppb	1835					
~~*** Sample ID: CCV~~				~~Seq: 18~~	~~10:56:48 26 Oct 10~~	~~HG~~		
Hg	.885	ppb	7349					
*** Sample ID: CCB				Seq: 19	10:59:26 26 Oct 10	HG		
Hg	-.102	ppb	1928					
*** Sample ID: 28565-3				Seq: 20	11:02:04 26 Oct 10	HG		
~~Hg~~	~~-.117~~	~~ppb~~	~~1847~~					
*** Sample ID: CCV				Seq: 21	11:08:54 26 Oct 10	HG		
Hg	1.07	ppb	8347					

SK 10/26/10

Protocol: Water
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB				Seq: 22	11:11:31 26 Oct 10	HG		
Hg	-.100	ppb	1943					
*** Sample ID: 28565-3				Seq: 23	11:14:08 26 Oct 10	HG		
Hg	-.114	ppb	1866					
*** Sample ID: 28565-4				Seq: 24	11:16:46 26 Oct 10	HG		
Hg	-.102	ppb	1927					
*** Sample ID: 28565-5				Seq: 25	11:19:28 26 Oct 10	HG		
Hg	-.072	ppb	2096					
*** Sample ID: 28565-6				Seq: 26	11:28:47 26 Oct 10	HG		
Hg	-.111	ppb	1880					
*** Sample ID: 28713-1				Seq: 27	11:31:26 26 Oct 10	HG		
Hg	-.092	ppb	1984					
*** Sample ID: 28713-2				Seq: 28	11:34:08 26 Oct 10	HG		
Hg	-.117	ppb	1845					
*** Sample ID: 28713-3				Seq: 29	11:36:48 26 Oct 10	HG		
Hg	-.100	ppb	1940					
*** Sample ID: 28713-4				Seq: 30	11:40:03 26 Oct 10	HG		
Hg	-.124	ppb	1808					
*** Sample ID: 28713-5				Seq: 31	11:42:43 26 Oct 10	HG		
Hg	-.114	ppb	1864					

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 28713-6				Seq:	32	11:45:21 26 Oct 10		HG
Hg	-.063	ppb	2145					
*** Sample ID: CCV				Seq:	33	11:47:59 26 Oct 10		HG
Hg	.895	ppb	7404					
*** Sample ID: CCB				Seq:	34	11:50:37 26 Oct 10		HG
Hg	-.093	ppb	1978					
*** Sample ID: 28713-6 R				Seq:	35	11:53:18 26 Oct 10		HG
Hg	-.045	ppb	2243					
*** Sample ID: 28713-6 S				Seq:	36	11:56:07 26 Oct 10		HG
Hg	1.17	ppb	8922					
*** Sample ID: 28713-6 T				Seq:	37	11:59:09 26 Oct 10		HG
Hg	1.03	ppb	8119					
*** Sample ID: 28713-7				Seq:	38	12:01:57 26 Oct 10		HG
Hg	-.103	ppb	1923					
*** Sample ID: 28713-8				Seq:	39	12:04:37 26 Oct 10		HG
Hg	-.079	ppb	2055					
*** Sample ID: 28713-9				Seq:	40	12:07:18 26 Oct 10		HG
Hg	-.084	ppb	2026					
*** Sample ID: 28713-10				Seq:	41	12:09:56 26 Oct 10		HG
Hg	-.082	ppb	2039					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV Seq: 42 12:12:35 26 Oct 10 HG

Hg .865 ppb 7240

*** Sample ID: CCB Seq: 43 12:15:15 26 Oct 10 HG

Hg -.064 ppb 2137

*** Sample ID: MB Seq: 44 12:18:06 26 Oct 10 HG

Hg -.089 ppb 1999

*** Sample ID: LCS Seq: 45 12:20:45 26 Oct 10 HG

Hg 2.01 ppb 13524

*** Sample ID: 28571-1 Seq: 46 12:23:26 26 Oct 10 HG

Hg .074 ppb 2894

*** Sample ID: 28710-1 Seq: 47 12:26:17 26 Oct 10 HG

Hg -.083 ppb 2036

*** Sample ID: 28710-2 Seq: 48 12:28:55 26 Oct 10 HG

Hg -.060 ppb 2160

*** Sample ID: 28710-3 Seq: 49 12:31:38 26 Oct 10 HG

Hg .172 ppb 3431

*** Sample ID: 28710-4 Seq: 50 12:34:19 26 Oct 10 HG

Hg .287 ppb 4067

*** Sample ID: CCV Seq: 51 12:37:21 26 Oct 10 HG

Hg .861 ppb 7214

Protocol: Water
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB				Seq:	52	12:40:00 26 Oct 10		HG
Hg	-.089	ppb	2003					
*** Sample ID: 28710-5				Seq:	53	12:42:49 26 Oct 10		HG
Hg	-.049	ppb	2219					
*** Sample ID: 28710-6				Seq:	54	12:45:27 26 Oct 10		HG
Hg	-.122	ppb	1821					
*** Sample ID: 28710-7				Seq:	55	12:48:06 26 Oct 10		HG
Hg	-.045	ppb	2243					
*** Sample ID: 28710-8				Seq:	56	12:50:47 26 Oct 10		HG
Hg	.406	ppb	4721					
*** Sample ID: 28710-9				Seq:	57	12:53:26 26 Oct 10		HG
Hg	-.042	ppb	2259					
*** Sample ID: 28652-1				Seq:	58	12:56:08 26 Oct 10		HG
Hg	.022	ppb	2608					
*** Sample ID: 28652-2				Seq:	59	12:58:59 26 Oct 10		HG
Hg	.056	ppb	2798					
*** Sample ID: 28652-3				Seq:	60	13:02:18 26 Oct 10		HG
Hg	-.114	ppb	1862					
*** Sample ID: 28652-4				Seq:	61	13:05:09 26 Oct 10		HG
Hg	.522	ppb	5357					

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 28652-5				Seq: 62	13:07:48 26 Oct 10	HG		
Hg	.111	ppb	3101					=
*** Sample ID: CCV				Seq: 63	13:10:40 26 Oct 10	HG		
Hg	1.05	ppb	8238					=
*** Sample ID: CCB				Seq: 64	13:13:23 26 Oct 10	HG		
Hg	-.054	ppb	2191					=
*** Sample ID: 28652-6				Seq: 65	13:16:04 26 Oct 10	HG		
Hg	-.101	ppb	1935					=
*** Sample ID: 28652-6 R				Seq: 66	13:18:44 26 Oct 10	HG		
Hg	-.114	ppb	1865					=
*** Sample ID: 28652-6 S				Seq: 67	13:21:23 26 Oct 10	HG		
Hg	.931	ppb	7603					=
*** Sample ID: 28652-6 T				Seq: 68	13:24:03 26 Oct 10	HG		
Hg	.933	ppb	7613					=
*** Sample ID: 28652-8				Seq: 69	13:26:49 26 Oct 10	HG		
Hg	-.117	ppb	1849					=
*** Sample ID: 28652-10				Seq: 70	13:29:38 26 Oct 10	HG		
Hg	-.091	ppb	1991					=
*** Sample ID: 28652-11				Seq: 71	13:32:27 26 Oct 10	HG		
Hg	-.120	ppb	1833					=

Protocol: Water

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV Seq: 72 13:35:09 26 Oct 10 HG

Hg	.875	ppb	7296					

*** Sample ID: CCB Seq: 73 13:37:50 26 Oct 10 HG

Hg	-.095	ppb	1966					

Metals Worksheet

Batch Number: 500-98043
Method: 7470A
Analyst: Roach, Jessica

Date Open: Oct 26 2010 7:15AM
Batch End: Oct 26 2010 9:15AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	M09LSTKHG_00001	M10CSTKHG_00001
STANDARD1					25 mL		
STANDARD2					25 mL		
STANDARD3					25 mL		
STANDARD4					25 mL		
STANDARD5					25 mL		
STANDARD6					25 mL		
MB~500-98043/7		7470A, 7470A		25 mL	25 mL		
LCS~500-98043/8		7470A, 7470A		25 mL	25 mL		0.00005 mL
500-28571-G-1			D	25 mL	25 mL		
500-28710-C-1			T	25 mL	25 mL		
500-28710-C-2			T	25 mL	25 mL		
500-28710-C-3			T	25 mL	25 mL		
500-28710-C-4			T	25 mL	25 mL		
500-28710-C-5			T	25 mL	25 mL		
500-28710-C-6			T	25 mL	25 mL		
500-28710-C-7			T	25 mL	25 mL		
500-28710-C-8			T	25 mL	25 mL		
500-28710-C-9			T	25 mL	25 mL		
500-28652-G-1	VLF-MW-1	7470A, 7470A	T	25 mL	25 mL		
500-28652-H-2	VLF-MW-2	7470A, 7470A	T	25 mL	25 mL		
500-28652-H-3	VLF-MW-3	7470A, 7470A	T	25 mL	25 mL		
500-28652-G-4	VLF-MW-4	7470A, 7470A	T	25 mL	25 mL		
500-28652-D-5	VLF-MW-2 DUP	7470A, 7470A	T	25 mL	25 mL		
500-28652-G-6	OLD-MW-4	7470A, 7470A	T	25 mL	25 mL		
500-28652-G-6~DU	OLD-MW-4	7470A, 7470A	T	25 mL	25 mL		

Metals Worksheet

Batch Number: 500-98043
Method: 7470A
Analyst: Roach, Jessica

Date Open: Oct 26 2010 7:15AM
Batch End: Oct 26 2010 9:15AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	M09LSTKHG_00001	M10CSTKHG_00001
500-28652-G-6~MS	OLD-MW-4	7470A, 7470A	T	25 mL	25 mL	0.000025 mL	
500-28652-G-6~MS D	OLD-MW-4	7470A, 7470A	T	25 mL	25 mL	0.000025 mL	
500-28652-J-8	VLF-MW-7	7470A, 7470A	T	25 mL	25 mL		
500-28652-G-10	VLF-MW-5	7470A, 7470A	T	25 mL	25 mL		
500-28652-G-11	VLF-MW-6	7470A, 7470A	T	25 mL	25 mL		

Oven, Bath or Block Temperature 1:	95 Celsius
Oven, Bath or Block Temperature 2:	95 Celsius
Digestion Tube/Cup Lot #:	1005282
Hood ID or number:	c0455
Hot Block ID number:	1
ID number of the thermometer:	j60162
Temperature:	95
Lot # of Nitric Acid:	j04031
Lot # of hydrochloric acid:	h42a18
Sulfuric Acid Lot Number:	e43040
Potassium Permanganate Lot Number:	g15614
Potassium Persulfate Lot Number:	g44465
Hydroxylamine Sulfate Lot Number:	n/a
Stannous Chloride Lot Number:	g45629
Hydroxylamine Hydrochloride Lot:	j07600
NaCL Lot #:	h20604
Repittetor Volume Check:	ok
SOP Number:	n/a

Metals Worksheet

Batch Number: 500-98043
Method: 7470A
Analyst: Roach, Jessica

Date Open: Oct 26 2010 7:15AM
Batch End: Oct 26 2010 9:15AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
STANDARD1				0.0 ppb
STANDARD2				0.2 ppb Stock Solution
STANDARD3				0.5 ppb Stock Solution
STANDARD4				1.0 ppb Stock Solution
STANDARD5				3.0 ppb Stock Solution
STANDARD6				5.0 ppb Stock Solution
MB~500-98043/7		7470A, 7470A		
LCS~500-98043/8		7470A, 7470A		
500-28571-G-1			D	
500-28710-C-1			T	
500-28710-C-2			T	
500-28710-C-3			T	
500-28710-C-4			T	
500-28710-C-5			T	
500-28710-C-6			T	
500-28710-C-7			T	
500-28710-C-8			T	
500-28710-C-9			T	
500-28652-G-1	VLF-MW-1	7470A, 7470A	T	
500-28652-H-2	VLF-MW-2	7470A, 7470A	T	
500-28652-H-3	VLF-MW-3	7470A, 7470A	T	
500-28652-G-4	VLF-MW-4	7470A, 7470A	T	
500-28652-D-5	VLF-MW-2 DUP	7470A, 7470A	T	
500-28652-G-6	OLD-MW-4	7470A, 7470A	T	
500-28652-G-6~DU	OLD-MW-4	7470A, 7470A	T	

Metals Worksheet

Batch Number: 500-98043
Method: 7470A
Analyst: Roach, Jessica

Date Open: Oct 26 2010 7:15AM
Batch End: Oct 26 2010 9:15AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
500-28652-G-6~MS	OLD-MW-4	7470A, 7470A	T	
500-28652-G-6~MSD	OLD-MW-4	7470A, 7470A	T	
500-28652-J-8	VLF-MW-7	7470A, 7470A	T	
500-28652-G-10	VLF-MW-5	7470A, 7470A	T	
500-28652-G-11	VLF-MW-6	7470A, 7470A	T	

Batch Comment: STOCK ID: M10CSTKCHG_00001, M09LSTKHG_00001 (Cal Curve)

Metals Worksheet

Batch Number: 500-98197
Method: 3010A
Analyst: Hudson, Lawrence A

Date Open: Oct 27 2010 8:00AM
Batch End: Oct 27 2010 8:01AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	M10ISPKIC_00001
MB~500-98197/1		3010A, 6010B		50 mL	50 mL	
LCS~500-98197/2		3010A, 6010B		50 mL	50 mL	.5 mL
500-28652-G-1	VLF-MW-1	3010A, 6010B	T	50 mL	50 mL	
500-28652-H-2	VLF-MW-2	3010A, 6010B	T	50 mL	50 mL	
500-28652-H-3	VLF-MW-3	3010A, 6010B	T	50 mL	50 mL	
500-28652-G-4	VLF-MW-4	3010A, 6010B	T	50 mL	50 mL	
500-28652-D-5	VLF-MW-2 DUP	3010A, 6010B	T	50 mL	50 mL	
500-28652-G-6	OLD-MW-4	3010A, 6010B	T	50 mL	50 mL	
500-28652-G-6~DU	OLD-MW-4	3010A, 6010B	T	50 mL	50 mL	
500-28652-D-6~MS	OLD-MW-4	3010A, 6010B	T	50 mL	50 mL	.5 mL
500-28652-D-6~MSD	OLD-MW-4	3010A, 6010B	T	50 mL	50 mL	.5 mL
500-28652-J-8	VLF-MW-7	3010A, 6010B	T	50 mL	50 mL	
500-28652-G-10	VLF-MW-5	3010A, 6010B	T	50 mL	50 mL	
500-28652-G-11	VLF-MW-6	3010A, 6010B	T	50 mL	50 mL	
500-28656-K-1			T	50 mL	50 mL	
500-28656-K-2			T	50 mL	50 mL	
500-28656-K-3			T	50 mL	50 mL	
500-28656-K-4			T	50 mL	50 mL	
500-28656-K-5			T	50 mL	50 mL	
500-28656-K-6			T	50 mL	50 mL	

Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	J11045
Digestion Tube/Cup Lot #:	1005282
Hot Block ID number:	3
ID number of the thermometer:	C24127
Oven, Bath or Block Temperature 1:	95 Degrees C
Oven, Bath or Block Temperature 2:	95 Degrees C
Pipette ID:	1627
First Start time:	08:00
First End time:	08:01

Metals Worksheet

Batch Number: 500-98197
Method: 3010A
Analyst: Hudson, Lawrence A

Date Open: Oct 27 2010 8:00AM
Batch End: Oct 27 2010 8:01AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~500-98197/1		3010A, 6010B		
LCS~500-98197/2		3010A, 6010B		
500-28652-G-1	VLF-MW-1	3010A, 6010B	T	RCRA
500-28652-H-2	VLF-MW-2	3010A, 6010B	T	RCRA
500-28652-H-3	VLF-MW-3	3010A, 6010B	T	RCRA
500-28652-G-4	VLF-MW-4	3010A, 6010B	T	RCRA
500-28652-D-5	VLF-MW-2 DUP	3010A, 6010B	T	RCRA
500-28652-G-6	OLD-MW-4	3010A, 6010B	T	RCRA
500-28652-G-6~DU	OLD-MW-4	3010A, 6010B	T	RCRA
500-28652-D-6~MS	OLD-MW-4	3010A, 6010B	T	RCRA
500-28652-D-6~MSD	OLD-MW-4	3010A, 6010B	T	RCRA
500-28652-J-8	VLF-MW-7	3010A, 6010B	T	RCRA
500-28652-G-10	VLF-MW-5	3010A, 6010B	T	RCRA
500-28652-G-11	VLF-MW-6	3010A, 6010B	T	RCRA
500-28656-K-1			T	HSL + B - Ag Tl
500-28656-K-2			T	HSL + B - Ag Tl
500-28656-K-3			T	HSL + B - Ag Tl
500-28656-K-4			T	HSL + B - Ag Tl
500-28656-K-5			T	HSL + B - Ag Tl
500-28656-K-6			T	HSL + B - Ag Tl

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG No.:

Project: Vulcan Louisville Fansteel

Client Sample ID	Lab Sample ID
VLF-MW-1	500-28652-1
VLF-MW-2	500-28652-2
VLF-MW-3	500-28652-3
VLF-MW-4	500-28652-4
OLD-MW-4	500-28652-6
VLF-MW-7	500-28652-8
OLD-MW-9	500-28652-9
VLF-MW-5	500-28652-10
VLF-MW-6	500-28652-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-1 Lab Sample ID: 500-28652-1

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/19/2010 10:00

Reporting Basis: WET Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	450	20	3.0	mg/L			100	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	*	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	570	20	5.3	mg/L			100	300.0
	Alkalinity	78	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	5.7	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	5.8	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	5.7	1.0	0.36	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-2
Lab Sample ID: 500-28652-2
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/18/2010 15:45
Reporting Basis: WET
Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	230	20	3.0	mg/L			100	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	*	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	150	4.0	1.1	mg/L			20	300.0
	Alkalinity	220	5.0	1.3	mg/L			1	SM 2320B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-3
Lab Sample ID: 500-28652-3
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/18/2010 14:15
Reporting Basis: WET
Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	85	5.0	0.75	mg/L			25	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	*	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	190	4.0	1.1	mg/L			20	300.0
	Alkalinity	230	5.0	1.3	mg/L			1	SM 2320B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-4 Lab Sample ID: 500-28652-4

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/18/2010 18:10

Reporting Basis: WET Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	140	10	1.5	mg/L			50	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	*	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	310	10	2.6	mg/L			50	300.0
	Alkalinity	140	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	47	2.0	0.72	mg/L			2	SM 5310C
	TOC Result 2	47	2.0	0.72	mg/L			2	SM 5310C
7440-44-0	TOC Dup	47	2.0	0.72	mg/L			2	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OLD-MW-4 Lab Sample ID: 500-28652-6

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/18/2010 18:00

Reporting Basis: WET Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	53	5.0	0.75	mg/L			25	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	*	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	120	4.0	1.1	mg/L			20	300.0
	Alkalinity	340	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	4.0	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	3.6	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	3.8	1.0	0.36	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-7
Lab Sample ID: 500-28652-8
Lab Name: TestAmerica Chicago
Job No.: 500-28652-1
SDG ID.:
Matrix: Water
Date Sampled: 10/19/2010 13:00
Reporting Basis: WET
Date Received: 10/19/2010 13:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	53	2.0	0.30	mg/L			10	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	* ^	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	470	20	5.3	mg/L			100	300.0
	Alkalinity	380	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	4.4	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	4.0	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	4.2	1.0	0.36	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OLD-MW-9 Lab Sample ID: 500-28652-9

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/19/2010 15:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	54	2.0	0.30	mg/L			10	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	* ^	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	100	4.0	1.1	mg/L			20	300.0
	Alkalinity	440	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	2.2	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	1.5	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	1.8	1.0	0.36	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-5 Lab Sample ID: 500-28652-10

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/19/2010 14:20

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	5.0	0.20	0.030	mg/L			1	300.0
14797-55-8	Nitrate as N	0.12	0.10	0.013	mg/L		B * ^	1	300.0
14797-65-0	Nitrite as N	0.028	0.10	0.028	mg/L	U		1	300.0
14808-79-8	Sulfate	44	4.0	1.1	mg/L			20	300.0
	Alkalinity	400	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	2.3	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	1.9	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	2.1	1.0	0.36	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VLF-MW-6 Lab Sample ID: 500-28652-11

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG ID.:

Matrix: Water Date Sampled: 10/19/2010 13:30

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	51	2.0	0.30	mg/L			10	300.0
14797-55-8	Nitrate as N	0.013	0.10	0.013	mg/L	U	* ^	1	300.0
14797-65-0	Nitrite as N	0.56	2.0	0.56	mg/L	U		20	300.0
14808-79-8	Sulfate	8.8	4.0	1.1	mg/L			20	300.0
	Alkalinity	370	5.0	1.3	mg/L			1	SM 2320B
	TOC Result 1	2.9	1.0	0.36	mg/L			1	SM 5310C
	TOC Result 2	2.8	1.0	0.36	mg/L			1	SM 5310C
7440-44-0	TOC Dup	2.8	1.0	0.36	mg/L			1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Analyst: PMF Batch Start Date: 10/20/2010

Reporting Units: mg/L Analytical Batch No.: 97802

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:22	Nitrate as N	2.20	2.00	110	90-110		WSTICNO32_00006
			Nitrite as N	2.09	2.00	104	90-110		WSTICNI2_00014
			Sulfate	5.36	5.00	107	90-110		WSTICS2_00004
2	ICB	11:36	Nitrate as N	0.013				U	
			Nitrite as N	0.028				U	
			Sulfate	0.053				U	
13	CCV	14:14	Nitrate as N	1.10	1.00	110	90-110		WSTICNO32_00006
			Nitrite as N	1.00	1.00	100	90-110		WSTICNI2_00014
			Sulfate	2.46	2.50	99	90-110		WSTICS2_00004
14	CCB	14:28	Nitrate as N	0.013				U	
			Nitrite as N	0.028				U	
			Sulfate	0.053				U	
25	CCV	16:59	Nitrate as N	1.16	1.00	116	90-110		WSTICNO32_00006
			Nitrite as N	1.04	1.00	104	90-110		WSTICNI2_00014
			Sulfate	2.63	2.50	105	90-110		WSTICS2_00004
26	CCB	17:13	Nitrate as N	0.013				U	
			Nitrite as N	0.028				U	
			Sulfate	0.053				U	
37	CCV	19:50	Nitrate as N	1.18	1.00	118	90-110		WSTICNO32_00006
			Nitrite as N	1.04	1.00	104	90-110		WSTICNI2_00014
			Sulfate	2.64	2.50	106	90-110		WSTICS2_00004
38	CCB	20:05	Nitrate as N	0.013				U	
			Nitrite as N	0.028				U	
			Sulfate	0.053				U	

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 Chicago Job No.: 500-28652-1

SDG No.:

Analyst: PMF Batch Start Date: 11/01/2010

Reporting Units: mg/L Analytical Batch No.: 98736

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
4	ICV	08:17	Chloride	3.02	3.00	101	90-110		WSTICCL2_00004
			Sulfate	5.05	5.00	101	90-110		WSTICS2_00004
5	ICB	08:31	Chloride	0.030				U	
			Sulfate	0.053				U	
10	CCV	09:43	Chloride	1.08	1.00	108	90-110		WSTICCL2_00004
			Sulfate	2.55	2.50	102	90-110		WSTICS2_00004
11	CCB	09:58	Chloride	0.030				U	
			Sulfate	0.053				U	
22	CCV	12:35	Chloride	1.04	1.00	104	90-110		WSTICCL2_00004
			Sulfate	2.58	2.50	103	90-110		WSTICS2_00004
23	CCB	12:50	Chloride	0.030				U	
			Sulfate	0.053				U	
34	CCV	15:27	Chloride	1.07	1.00	107	90-110		WSTICCL2_00004
			Sulfate	2.67	2.50	107	90-110		WSTICS2_00004
35	CCB	15:42	Chloride	0.030				U	
			Sulfate	0.148				J	
46	CCV	18:19	Chloride	1.10	1.00	110	90-110		WSTICCL2_00004
			Sulfate	2.66	2.50	106	90-110		WSTICS2_00004
47	CCB	18:33	Chloride	0.030				U	
			Sulfate	0.053				U	

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 Chicago Job No.: 500-28652-1

SDG No.:

Analyst: KD Batch Start Date: 10/27/2010

Reporting Units: mg/L Analytical Batch No.: 98316

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:15	TOC Result 1	19.6	20.0	98	85-115		WCSTTC2_00043
			TOC Result 2	19.6	20.0	98	85-115		WCSTTC2_00043
			TOC Dup	19.6	20.0	98	85-115		WCSTTC2_00043
2	ICB	14:25	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	
12	CCV	16:56	TOC Result 1	8.55	10.0	86	85-115		WCSTTC1_00031
			TOC Result 2	8.55	10.0	86	85-115		WCSTTC1_00031
			TOC Dup	8.55	10.0	86	85-115		WCSTTC1_00031
13	CCB	17:50	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	
25	CCV	07:31	TOC Result 1	9.83	10.0	98	85-115		WCSTTC1_00031
			TOC Result 2	9.83	10.0	98	85-115		WCSTTC1_00031
			TOC Dup	9.83	10.0	98	85-115		WCSTTC1_00031
26	CCB	07:31	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	

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 Chicago Job No.: 500-28652-1

SDG No.:

Analyst: KD Batch Start Date: 10/28/2010

Reporting Units: mg/L Analytical Batch No.: 98371

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:06	TOC Result 1	21.6	20.0	108	85-115		WCSTTC2_00043
			TOC Result 2	21.6	20.0	108	85-115		WCSTTC2_00043
			TOC Dup	21.6	20.0	108	85-115		WCSTTC2_00043
2	ICB	09:13	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	
5	CCV	11:13	TOC Result 1	10.3	10.0	103	85-115		WCSTTC1_00031
			TOC Result 2	10.3	10.0	103	85-115		WCSTTC1_00031
			TOC Dup	10.3	10.0	103	85-115		WCSTTC1_00031
6	CCB	11:21	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	
13	CCV	13:15	TOC Result 1	10.7	10.0	107	85-115		WCSTTC1_00031
			TOC Result 2	10.7	10.0	107	85-115		WCSTTC1_00031
			TOC Dup	10.7	10.0	107	85-115		WCSTTC1_00031
14	CCB	13:23	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	

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 Chicago Job No.: 500-28652-1

SDG No.:

Analyst: KD Batch Start Date: 11/03/2010

Reporting Units: mg/L Analytical Batch No.: 99008

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:45	TOC Result 1	20.8	20.0	104	85-115		WCSTTC2_00045
			TOC Result 2	20.8	20.0	104	85-115		WCSTTC2_00045
			TOC Dup	20.8	20.0	104	85-115		WCSTTC2_00045
2	ICB	09:52	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	
10	CCV	12:39	TOC Result 1	10.6	10.0	106	85-115		WCSTTC1_00031
			TOC Result 2	10.6	10.0	106	85-115		WCSTTC1_00031
			TOC Dup	10.6	10.0	106	85-115		WCSTTC1_00031
11	CCB	12:47	TOC Result 1	0.36				U	
			TOC Result 2	0.36				U	
			TOC Dup	0.36				U	

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 Chicago Job No.: 500-28652-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 97802	Date: 10/20/2010 16:04						
300.0	MB 500-97802/21	Nitrate as N	0.0807	J ^	mg/L	0.10	1
300.0	MB 500-97802/21	Nitrite as N	0.028	U	mg/L	0.10	1
300.0	MB 500-97802/21	Sulfate	0.053	U	mg/L	0.20	1
Batch ID: 98736	Date: 11/01/2010 08:46						
300.0	MB 500-98736/6	Chloride	0.030	U	mg/L	0.20	1
300.0	MB 500-98736/6	Sulfate	0.053	U	mg/L	0.20	1
Batch ID: 98038	Date: 10/21/2010 16:20						
SM 2320B	MB 500-98038/2	Alkalinity	1.3	U	mg/L	5.0	1
Batch ID: 98316	Date: 10/27/2010 14:35						
SM 5310C	MB 500-98316/3	TOC Result 1	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-98316/3	TOC Result 2	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-98316/3	TOC Dup	0.36	U	mg/L	1.0	1
Batch ID: 98371	Date: 10/28/2010 09:20						
SM 5310C	MB 500-98371/3	TOC Result 1	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-98371/3	TOC Result 2	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-98371/3	TOC Dup	0.36	U	mg/L	1.0	1
Batch ID: 99008	Date: 11/03/2010 10:00						
SM 5310C	MB 500-99008/3	TOC Result 1	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-99008/3	TOC Result 2	0.36	U	mg/L	1.0	1
SM 5310C	MB 500-99008/3	TOC Dup	0.36	U	mg/L	1.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97802	Date: 10/20/2010 15:12										
300.0	500-28652-8	Nitrate as N	0.013	U	mg/L						* ^
300.0	500-28652-8 MS	Nitrate as N	2.50		mg/L	2.00	125	75-125			^
Batch ID: 97802	Date: 10/20/2010 15:27										
300.0	500-28652-8	Nitrite as N	0.56	U	mg/L						
300.0	500-28652-8 MS	Nitrite as N	43.2		mg/L	40.0	108	75-125			

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 Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97802	Date: 10/20/2010 15:41										
300.0	500-28652-8 MSD	Nitrate as N	2.51		mg/L	2.00	126	75-125	1	20	F ^
Batch ID: 97802	Date: 10/20/2010 15:53										
300.0	500-28652-8 MSD	Nitrite as N	43.2		mg/L	40.0	108	75-125	0	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 Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 98038	Date: 10/21/2010 17:13							
SM 2320B	VLF-MW-1	500-28652-1	Alkalinity	78	mg/L			
SM 2320B	VLF-MW-1	500-28652-1 DU	Alkalinity	65.1	mg/L	18	20	

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 Chicago Job No.: 500-28652-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 97802	Date: 10/20/2010 16:17										
						LCS Source: WSTICNI2_00014					
300.0	LCS 500-97802/22	Nitrite as N	2.14		mg/L	2.00	107	90-110			
						LCS Source: WSTICNO32_00006					
300.0	LCS 500-97802/22	Nitrate as N	2.24		mg/L	2.00	112	90-110			^ *
						LCS Source: WSTICS2_00004					
300.0	LCS 500-97802/22	Sulfate	5.35		mg/L	5.00	107	90-110			
Batch ID: 98736	Date: 11/01/2010 09:00										
						LCS Source: WSTICCL2_00004					
300.0	LCS 500-98736/7	Chloride	3.07		mg/L	3.00	102	90-110			
						LCS Source: WSTICS2_00004					
300.0	LCS 500-98736/7	Sulfate	5.10		mg/L	5.00	102	90-110			
Batch ID: 98038	Date: 10/21/2010 16:27										
						LCS Source: WCSTAK_00003					
SM 2320B	LCS 500-98038/3	Alkalinity	97.9		mg/L	100	98	80-120			
Batch ID: 98316	Date: 10/27/2010 14:51										
						LCS Source: WCSTTC2_00043					
SM 5310C	LCS 500-98316/4	TOC Result 1	8.59		mg/L	10.0	86	80-120			
SM 5310C	LCS 500-98316/4	TOC Result 2	8.64		mg/L	10.0	86	80-120			
SM 5310C	LCS 500-98316/4	TOC Dup	8.61		mg/L	10.0	86	80-120			
Batch ID: 98371	Date: 10/28/2010 09:37										
						LCS Source: WCSTTC2_00043					
SM 5310C	LCS 500-98371/4	TOC Result 1	10.0		mg/L	10.0	100	80-120			
SM 5310C	LCS 500-98371/4	TOC Result 2	10.2		mg/L	10.0	102	80-120			
SM 5310C	LCS 500-98371/4	TOC Dup	10.1		mg/L	10.0	101	80-120			
Batch ID: 99008	Date: 11/03/2010 10:18										
						LCS Source: WCSTTC2_00045					
SM 5310C	LCS 500-99008/4	TOC Result 1	10.4		mg/L	10.0	104	80-120			
SM 5310C	LCS 500-99008/4	TOC Result 2	10.5		mg/L	10.0	105	80-120			
SM 5310C	LCS 500-99008/4	TOC Dup	10.5		mg/L	10.0	105	80-120			

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 Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: IC4

Analysis Method: 300.0 MDL Date: 03/19/2010 09:05

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		0.2	0.03
Nitrate as N		0.1	0.013
Nitrite as N		0.1	0.028
Sulfate		0.2	0.053

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: IC4

Analysis Method: 300.0 XMDL Date: 03/19/2010 09:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		0.2	0.03
Nitrate as N		0.1	0.013
Nitrite as N		0.1	0.028
Sulfate		0.2	0.053

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: PC-Titrate

Analysis Method: SM 2320B MDL Date: 03/19/2010 08:15

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Alkalinity		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: PC-Titrate

Analysis Method: SM 2320B XMDL Date: 03/19/2010 08:16

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: TOC3

Analysis Method: SM 5310C MDL Date: 03/19/2010 08:03

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
TOC Dup		1	0.36
TOC Result 1		1	0.36
TOC Result 2		1	0.36

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: TOC3

Analysis Method: SM 5310C XMDL Date: 03/19/2010 08:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
TOC Dup		1	0.36
TOC Result 1		1	0.36
TOC Result 2		1	0.36

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: TOC5

Analysis Method: SM 5310C MDL Date: 03/19/2010 08:03

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
TOC Dup		1	0.36
TOC Result 1		1	0.36
TOC Result 2		1	0.36

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job Number: 500-28652-1

SDG Number:

Matrix: Water Instrument ID: TOC5

Analysis Method: SM 5310C XMDL Date: 03/19/2010 08:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
TOC Dup		1	0.36
TOC Result 1		1	0.36
TOC Result 2		1	0.36

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: IC4 Method: 300.0

Start Date: 10/20/2010 11:22 End Date: 10/21/2010 15:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NO3	SO4																	
ICV 500-97802/1	1		11:22	X	X	X																	
ICB 500-97802/2	1		11:36	X	X	X																	
500-28652-3	1	T	11:51		X																		
500-28652-3	20	T	12:05	X		X																	
500-28652-2	1	T	12:19		X																		
500-28652-2	20	T	12:34	X		X																	
500-28652-6	1	T	12:48		X																		
500-28652-6	20	T	13:02	X		X																	
500-28652-4	1	T	13:17		X																		
500-28652-4	20	T	13:31	X																			
500-28652-1	1	T	13:45		X																		
500-28652-1	20	T	14:00	X																			
CCV 500-97802/13	1		14:14	X	X	X																	
CCB 500-97802/14	1		14:28	X	X	X																	
500-28652-8	1	T	14:44		X																		
500-28652-8	20	T	14:58	X																			
500-28652-8 MS	1	T	15:12		X																		
500-28652-8 MS	20	T	15:27	X																			
500-28652-8 MSD	1	T	15:41		X																		
500-28652-8 MSD	20	T	15:53	X																			
MB 500-97802/21	1	T	16:04	X	X	X																	
LCS 500-97802/22	1	T	16:17	X	X	X																	
500-28652-9	1	T	16:30		X																		
500-28652-9	20	T	16:44	X		X																	
CCV 500-97802/25	1		16:59	X	X	X																	
CCB 500-97802/26	1		17:13	X	X	X																	
500-28652-10	1	T	17:27	X	X																		
500-28652-10	20	T	17:42			X																	
500-28652-11	1	T	17:56		X																		
500-28652-11	20	T	18:10	X		X																	
ZZZZZZ			18:25																				
ZZZZZZ			18:39																				
ZZZZZZ			18:53																				
ZZZZZZ			19:07																				
ZZZZZZ			19:22																				
ZZZZZZ			19:36																				
CCV 500-97802/37	1		19:50	X	X	X																	
CCB 500-97802/38	1		20:05	X	X	X																	
ZZZZZZ			20:19																				
ZZZZZZ			20:33																				
ZZZZZZ			20:48																				
ZZZZZZ			21:02																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: IC4 Method: 300.0

Start Date: 10/20/2010 11:22 End Date: 10/21/2010 15:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NO3	SO4																	
ZZZZZZ			21:16																				
ZZZZZZ			21:31																				
ZZZZZZ			21:45																				
ZZZZZZ			21:59																				
ZZZZZZ			22:14																				
ZZZZZZ			22:28																				
CCV 500-97802/49			22:42																				
CCB 500-97802/50			22:56																				
ZZZZZZ			06:34																				
ZZZZZZ			07:04																				
ZZZZZZ			07:14																				
ZZZZZZ			07:33																				
ZZZZZZ			07:44																				
ZZZZZZ			07:59																				
ZZZZZZ			08:21																				
ZZZZZZ			08:36																				
ZZZZZZ			08:50																				
ZZZZZZ			09:04																				
CCV 500-97802/61			09:19																				
CCB 500-97802/62			09:33																				
ZZZZZZ			09:47																				
ZZZZZZ			10:02																				
ZZZZZZ			10:16																				
ZZZZZZ			10:30																				
ZZZZZZ			10:45																				
ZZZZZZ			10:59																				
ZZZZZZ			11:13																				
ZZZZZZ			11:28																				
ZZZZZZ			11:42																				
ZZZZZZ			11:56																				
CCV 500-97802/73			12:10																				
CCB 500-97802/74			12:25																				
ZZZZZZ			12:39																				
ZZZZZZ			12:53																				
ZZZZZZ			13:08																				
ZZZZZZ			13:22																				
ZZZZZZ			13:36																				
ZZZZZZ			13:51																				
ZZZZZZ			14:05																				
ZZZZZZ			14:19																				
ZZZZZZ			14:34																				
ZZZZZZ			14:48																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: IC4 Method: 300.0

Start Date: 10/20/2010 11:22 End Date: 10/21/2010 15:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NO3	SO4																	
CCV 500-97802/85			15:02																				
CCB 500-97802/86			15:17																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: IC4 Method: 300.0

Start Date: 11/01/2010 07:34 End Date: 11/02/2010 00:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ZZZZZZ			07:34																				
ZZZZZZ			07:48																				
RINSE 500-98736/3			08:03																				
ICV 500-98736/4	1		08:17	X	X																		
ICB 500-98736/5	1		08:31	X	X																		
MB 500-98736/6	1	T	08:46	X	X																		
LCS 500-98736/7	1	T	09:00	X	X																		
ZZZZZZ			09:14																				
ZZZZZZ			09:29																				
CCV 500-98736/10	1		09:43	X	X																		
CCB 500-98736/11	1		09:58	X	X																		
500-28652-1	100	T	10:12	X	X																		
500-28652-2	100	T	10:27	X																			
500-28652-3	25	T	10:41	X																			
500-28652-4	50	T	10:55	X	X																		
500-28652-6	25	T	11:10	X																			
500-28652-8	10	T	11:24	X																			
500-28652-8	100	T	11:38		X																		
500-28652-9	10	T	11:53	X																			
500-28652-10	1	T	12:07	X																			
500-28652-11	10	T	12:21	X																			
CCV 500-98736/22	1		12:35	X	X																		
CCB 500-98736/23	1		12:50	X	X																		
ZZZZZZ			13:04																				
ZZZZZZ			13:18																				
ZZZZZZ			13:33																				
ZZZZZZ			13:47																				
ZZZZZZ			14:01																				
ZZZZZZ			14:16																				
ZZZZZZ			14:30																				
ZZZZZZ			14:44																				
ZZZZZZ			14:59																				
ZZZZZZ			15:13																				
CCV 500-98736/34	1		15:27	X	X																		
CCB 500-98736/35	1		15:42	X	X																		
ZZZZZZ			15:56																				
ZZZZZZ			16:10																				
ZZZZZZ			16:25																				
ZZZZZZ			16:39																				
ZZZZZZ			16:53																				
ZZZZZZ			17:07																				
ZZZZZZ			17:22																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: IC4 Method: 300.0

Start Date: 11/01/2010 07:34 End Date: 11/02/2010 00:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ZZZZZZ			17:36																				
ZZZZZZ			17:50																				
ZZZZZZ			18:05																				
CCV 500-98736/46	1		18:19	X	X																		
CCB 500-98736/47	1		18:33	X	X																		
ZZZZZZ			18:48																				
ZZZZZZ			19:02																				
ZZZZZZ			19:16																				
ZZZZZZ			19:31																				
ZZZZZZ			19:45																				
ZZZZZZ			19:59																				
ZZZZZZ			20:14																				
ZZZZZZ			20:28																				
ZZZZZZ			20:42																				
ZZZZZZ			20:57																				
CCV 500-98736/58			21:11																				
CCB 500-98736/59			21:25																				
ZZZZZZ			21:39																				
ZZZZZZ			21:54																				
ZZZZZZ			22:08																				
ZZZZZZ			22:22																				
ZZZZZZ			22:37																				
ZZZZZZ			22:51																				
ZZZZZZ			23:05																				
ZZZZZZ			23:20																				
ZZZZZZ			23:34																				
ZZZZZZ			23:48																				
CCV 500-98736/70			00:03																				
CCB 500-98736/71			00:17																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: PC-Titrate Method: SM 2320B

Start Date: 10/21/2010 16:15 End Date: 10/21/2010 19:47

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			16:15																				
MB 500-98038/2	1	T	16:20	X																			
LCS 500-98038/3	1	T	16:27	X																			
ZZZZZZ			16:34																				
ZZZZZZ			16:40																				
ZZZZZZ			16:46																				
ZZZZZZ			16:52																				
ZZZZZZ			16:58																				
500-28652-1	1	T	17:06	X																			
500-28652-1 DU	1	T	17:13	X																			
500-28652-2	1	T	17:22	X																			
ZZZZZZ			17:35																				
500-28652-3	1	T	17:42	X																			
500-28652-4	1	T	17:51	X																			
500-28652-6	1	T	17:59	X																			
500-28652-8	1	T	18:07	X																			
500-28652-9	1	T	18:15	X																			
500-28652-10	1	T	18:23	X																			
500-28652-11	1	T	18:31	X																			
ZZZZZZ			18:39																				
ZZZZZZ			18:47																				
ZZZZZZ			18:58																				
ZZZZZZ			19:11																				
ZZZZZZ			19:18																				
ZZZZZZ			19:27																				
ZZZZZZ			19:35																				
ZZZZZZ			19:47																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: TOC3 Method: SM 5310C

Start Date: 10/28/2010 09:06 End Date: 10/28/2010 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC1	TOC2	TOCD																	
ICV 500-98371/1	1		09:06	X	X	X																	
ICB 500-98371/2	1		09:13	X	X	X																	
MB 500-98371/3	1	T	09:20	X	X	X																	
LCS 500-98371/4	1	T	09:37	X	X	X																	
CCV 500-98371/5	1		11:13	X	X	X																	
CCB 500-98371/6	1		11:21	X	X	X																	
ZZZZZZ			11:32																				
ZZZZZZ			11:53																				
ZZZZZZ			12:13																				
ZZZZZZ			12:24																				
ZZZZZZ			12:34																				
500-28652-4	2	T	12:55	X	X	X																	
CCV 500-98371/13	1		13:15	X	X	X																	
CCB 500-98371/14	1		13:23	X	X	X																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: TOC3 Method: SM 5310C

Start Date: 11/03/2010 09:45 End Date: 11/03/2010 14:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC1	TOC2	TOCD																	
ICV 500-99008/1	1		09:45	X	X	X																	
ICB 500-99008/2	1		09:52	X	X	X																	
MB 500-99008/3	1	T	10:00	X	X	X																	
LCS 500-99008/4	1	T	10:18	X	X	X																	
500-28652-11	1	T	11:13	X	X	X																	
ZZZZZZ			11:30																				
ZZZZZZ			11:47																				
ZZZZZZ			12:04																				
ZZZZZZ			12:21																				
CCV 500-99008/10	1		12:39	X	X	X																	
CCB 500-99008/11	1		12:47	X	X	X																	
ZZZZZZ			12:55																				
ZZZZZZ			13:19																				
ZZZZZZ			13:32																				
ZZZZZZ			13:53																				
ZZZZZZ			14:14																				
CCV 500-99008/17			14:34																				
CCB 500-99008/18			14:42																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Chicago Job No.: 500-28652-1

SDG No.:

Instrument ID: TOC5 Method: SM 5310C

Start Date: 10/27/2010 14:15 End Date: 10/28/2010 07:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC1	TOC2	TOCD																	
ICV 500-98316/1	1		14:15	X	X	X																	
ICB 500-98316/2	1		14:25	X	X	X																	
MB 500-98316/3	1	T	14:35	X	X	X																	
LCS 500-98316/4	1	T	14:51	X	X	X																	
ZZZZZZ			15:08																				
ZZZZZZ			15:24																				
ZZZZZZ			15:40																				
ZZZZZZ			15:57																				
ZZZZZZ			16:13																				
ZZZZZZ			16:29																				
ZZZZZZ			16:46																				
CCV 500-98316/12	1		16:56	X	X	X																	
CCB 500-98316/13	1		17:50	X	X	X																	
ZZZZZZ			18:00																				
ZZZZZZ			18:10																				
ZZZZZZ			18:26																				
ZZZZZZ			18:43																				
ZZZZZZ			18:59																				
500-28652-1	1	T	19:15	X	X	X																	
ZZZZZZ			19:31																				
500-28652-6	1	T	19:47	X	X	X																	
500-28652-8	1	T	20:04	X	X	X																	
500-28652-9	1	T	20:20	X	X	X																	
500-28652-10	1	T	07:31	X	X	X																	
CCV 500-98316/25	1		07:31	X	X	X																	
CCB 500-98316/26	1		07:31	X	X	X																	

Prep Types
T = Total/NA

TestAmerica Chicago

Retention Time Window Summary Table

Instrument:	IC4: DX-120	Method: DX120.met
Batch:	97802	
Date:	10/21/2010	

Analyst:	Pete Ficarello

	ICV RT	RT Window	
Parameter	Minutes	+/- 5 %	
Fluoride		0.00	0.00
Chloride	3.88	3.69	4.07
Nitrite	4.55	4.32	4.78
Bromide		0.00	0.00
Nitrate	6.33	6.01	6.65
Orthophosphate		0.00	0.00
Sulfate	9.37	8.90	9.84

Analyst Signature: _____ Date: 10/22/10

TestAmerica Chicago

CHI-22-12-084/O-01/08

Cover Page - Ion Chromatograph

LIMS Batch: 97802 FILE ID: 20101020 .csv

Calibration Date: 10/14/10

Instrument: (Circle)	
a. IC4: Dionex Series DX-120	DX120.met
b. IC3: Dionex Series DX-100	DX100.met

Standard Traceability

Note: Working Standards are prepared daily from the noted Stock Solutions.

Test	Calibration Curve Stock ID	LCS (ICV-CCV1)/CCV2 MS Stock ID	LCS mg/L	(ICV-CCV1)/CCV2 mg/L	MS mg/L
Fluoride	WSTICF1-00003	WSTICF2-00005	1.0	1.0 / 0.6	1.0
Chloride	WSTICCL1-00004	WSTICCL2-00004	3.0	3.0 / 1.0	3.0
Nitrite-N	WSTICNI1-00003	WSTICNI2-00014	2.0	2.0 / 1.0	2.0
Bromide	WSTICBR1-00003	WSTICBR2-00003	2.0	2.0 / 1.0	2.0
Nitrate-N	WSTICNO31-00002	WSTICNO32-00006	2.0	2.0 / 1.0	2.0
O-PO4	WSTICP1-00003	WSTICP2-00003	2.0	2.0 / 1.0	2.0
Sulfate	WSTICS1-00004	WSTICS2-00004	5.0	5.0 / 2.5	5.0

Test	Range of Curve (mg/L)
Fluoride	0.20 - 2.0
Chloride	0.20 - 7.5
Nitrite-N	0.10 - 5.0
Bromide	0.10 - 5.0
Nitrate-N	0.10 - 4.0
O-PO4	0.20 - 4.0
Sulfate	0.20 - 10.0

IC Data Qualifiers used by the analyst in the raw data evaluation.

CE = Co-Elution or masking of peak(s) has been identified

OR = Over Range - Peak exceeds the highest standard of the calibration curve

OD = Over Dilution - The ion is reported from a less dilute injection

NR = Not Required - analysis was not required for this ion

AD = Analyst Discretion was used in the evaluation and the reporting of the ion

RE = Reported Elsewhere

Analyst Signature: _____ Date: 10/21/10

Reviewer Signature: _____ Date: 10/22/10

Schedule File: C:\PeakNet\Schedule\20101020.sch

Line	Sample	Sample Type	Level	Method	Data File	Volume	Dilution	Weight	Int. Std.
1	ICV	Sample		dx-120.met	20101020\d5901_001.dxd	1	1	1	1
2	ICB	Sample		dx-120.met	20101020\d5901_002.dxd	1	1	1	1
3	500-28652-G-3	Sample		dx-120.met	20101020\d5901_003.dxd	1	1	1	1
4	500-28652-G-3	Sample		dx-120.met	20101020\d5901_004.dxd	1	20	1	1
5	500-28652-G-2	Sample		dx-120.met	20101020\d5901_005.dxd	1	1	1	1
6	500-28652-G-2	Sample		dx-120.met	20101020\d5901_006.dxd	1	20	1	1
7	500-28652-F-6	Sample		dx-120.met	20101020\d5901_007.dxd	1	1	1	1
8	500-28652-F-6	Sample		dx-120.met	20101020\d5901_008.dxd	1	20	1	1
9	500-28652-F-4	Sample		dx-120.met	20101020\d5901_009.dxd	1	1	1	1
10	500-28652-F-4	Sample		dx-120.met	20101020\d5901_010.dxd	1	20	1	1
11	500-28652-F-1	Sample		dx-120.met	20101020\d5901_011.dxd	1	1	1	1
12	500-28652-F-1	Sample		dx-120.met	20101020\d5901_012.dxd	1	20	1	1
13	CCV	Sample		dx-120.met	20101020\d5901_013.dxd	1	1	1	1
14	CCB	Sample		dx-120.met	20101020\d5901_014.dxd	1	1	1	1
15	500-28652-I-8	Sample		dx-120.met	20101020\d5901_015.dxd	1	1	1	1
16	500-28652-I-8	Sample		dx-120.met	20101020\d5901_016.dxd	1	20	1	1
17	500-28652-I-8 MS	Sample		dx-120.met	20101020\d5901_017.dxd	1	1	1	1
18	500-28652-I-8 MS	Sample		dx-120.met	20101020\d5901_018.dxd	1	20	1	1
19	500-28652-I-8 MSD	Sample		dx-120.met	20101020\d5901_019.dxd	1	1	1	1
20	500-28652-I-8 MSD	Sample		dx-120.met	20101020\d5901_020.dxd	1	20	1	1
21	MB	Sample		dx-120.met	20101020\d5901_021.dxd	1	1	1	1
22	LCS	Sample		dx-120.met	20101020\d5901_022.dxd	1	1	1	1
23	500-28652-F-9	Sample		dx-120.met	20101020\d5901_023.dxd	1	1	1	1
24	500-28652-F-9	Sample		dx-120.met	20101020\d5901_024.dxd	1	20	1	1
25	CCV	Sample		dx-120.met	20101020\d5901_025.dxd	1	1	1	1
26	CCB	Sample		dx-120.met	20101020\d5901_026.dxd	1	1	1	1
27	500-28652-F-10	Sample		dx-120.met	20101020\d5901_027.dxd	1	1	1	1
28	500-28652-F-10	Sample		dx-120.met	20101020\d5901_028.dxd	1	20	1	1
29	500-28652-F-11	Sample		dx-120.met	20101020\d5901_029.dxd	1	1	1	1
30	500-28652-F-11	Sample		dx-120.met	20101020\d5901_030.dxd	1	20	1	1
31	500-28656-I-1	Sample		dx-120.met	20101020\d5901_031.dxd	1	1	1	1
32	500-28656-I-1	Sample		dx-120.met	20101020\d5901_032.dxd	1	20	1	1
33	500-28656-I-2	Sample		dx-120.met	20101020\d5901_033.dxd	1	1	1	1
34	500-28656-I-2	Sample		dx-120.met	20101020\d5901_034.dxd	1	20	1	1
35	500-28656-I-3	Sample		dx-120.met	20101020\d5901_035.dxd	1	1	1	1
36	500-28656-I-3	Sample		dx-120.met	20101020\d5901_036.dxd	1	20	1	1
37	CCV	Sample		dx-120.met	20101020\d5901_037.dxd	1	1	1	1
38	CCB	Sample		dx-120.met	20101020\d5901_038.dxd	1	1	1	1
39	500-28656-I-4	Sample		dx-120.met	20101020\d5901_039.dxd	1	1	1	1
40	500-28656-I-4	Sample		dx-120.met	20101020\d5901_040.dxd	1	20	1	1
41	500-28656-I-5	Sample		dx-120.met	20101020\d5901_041.dxd	1	1	1	1
42	500-28656-I-5	Sample		dx-120.met	20101020\d5901_042.dxd	1	20	1	1
43	500-28662-I-3	Sample		dx-120.met	20101020\d5901_043.dxd	1	1	1	1
44	500-28662-I-3	Sample		dx-120.met	20101020\d5901_044.dxd	1	20	1	1
45	500-28662-I-4	Sample		dx-120.met	20101020\d5901_045.dxd	1	1	1	1
46	500-28662-I-4	Sample		dx-120.met	20101020\d5901_046.dxd	1	20	1	1
47	500-28662-I-5	Sample		dx-120.met	20101020\d5901_047.dxd	1	1	1	1
48	500-28662-I-5	Sample		dx-120.met	20101020\d5901_048.dxd	1	20	1	1
49	CCV	Sample		dx-120.met	20101020\d5901_049.dxd	1	1	1	1
50	CCB	Sample		dx-120.met	20101020\d5901_050.dxd	1	1	1	1
51	500-28662-I-6	Sample		dx-120.met	20101020\d5901_a051.dxd	1	1	1	1
52	500-28662-I-6	Sample		dx-120.met	20101020\d5901_a052.dxd	1	20	1	1
53	500-28662-I-7	Sample		dx-120.met	20101020\d5901_a053.dxd	1	1	1	1
54	500-28662-I-7	Sample		dx-120.met	20101020\d5901_a054.dxd	1	20	1	1
55	500-28662-I-8	Sample		dx-120.met	20101020\d5901_a055.dxd	1	1	1	1
56	500-28662-I-8	Sample		dx-120.met	20101020\d5901_a056.dxd	1	20	1	1
57	MB	Sample		dx-120.met	20101020\d5901_a057.dxd	1	1	1	1
58	LCS	Sample		dx-120.met	20101020\d5901_a058.dxd	1	1	1	1
59	500-28656-I-6	Sample		dx-120.met	20101020\d5901_a059.dxd	1	1	1	1
60	500-28656-I-6	Sample		dx-120.met	20101020\d5901_a060.dxd	1	20	1	1
61	CCV	Sample		dx-120.met	20101020\d5901_a061.dxd	1	1	1	1
62	CCB	Sample		dx-120.met	20101020\d5901_a062.dxd	1	1	1	1
63	500-28656-I-6 MS	Sample		dx-120.met	20101020\d5901_a063.dxd	1	1	1	1
64	500-28656-I-6 MS	Sample		dx-120.met	20101020\d5901_a064.dxd	1	20	1	1
65	500-28656-I-6 MSD	Sample		dx-120.met	20101020\d5901_a065.dxd	1	1	1	1
66	500-28656-I-6 MSD	Sample		dx-120.met	20101020\d5901_a066.dxd	1	20	1	1
67	500-28562-G-2	Sample		dx-120.met	20101020\d5901_a067.dxd	1	2	1	1
68	500-28566-G-5	Sample		dx-120.met	20101020\d5901_a068.dxd	1	5	1	1
69	500-28566-F-12	Sample		dx-120.met	20101020\d5901_a069.dxd	1	2	1	1
70	500-28566-F-14	Sample		dx-120.met	20101020\d5901_a070.dxd	1	5	1	1
71	500-28566-F-20	Sample		dx-120.met	20101020\d5901_a071.dxd	1	2	1	1
72	500-28567-F-1	Sample		dx-120.met	20101020\d5901_a072.dxd	1	2	1	1
73	CCV	Sample		dx-120.met	20101020\d5901_a073.dxd	1	1	1	1
74	CCB	Sample		dx-120.met	20101020\d5901_a074.dxd	1	1	1	1
75	500-28567-F-2	Sample		dx-120.met	20101020\d5901_a075.dxd	1	2	1	1
76	500-28567-F-5	Sample		dx-120.met	20101020\d5901_a076.dxd	1	2	1	1
77	500-28567-F-8	Sample		dx-120.met	20101020\d5901_a077.dxd	1	2	1	1
78	500-28567-F-9	Sample		dx-120.met	20101020\d5901_a078.dxd	1	2	1	1
79	500-28567-F-11	Sample		dx-120.met	20101020\d5901_a079.dxd	1	2	1	1

Schedule File: C:\PeakNet\Schedule\20101020.sch

Line	Sample	Sample Type	Level	Method	Data File	Volume	Dilution	Weight	Int. Std.
80	500-28736-I-9	Sample		dx-120.met	20101020\d5901_a080.dxd	1	1	1	1
81	500-28736-I-9	Sample		dx-120.met	20101020\d5901_a081.dxd	1	20	1	1
82	500-28567-F-13	Sample		dx-120.met	20101020\d5901_082.dxd	1	5	1	1
83	MB	Sample		dx-120.met	20101020\d5901_083.dxd	1	1	1	1
84	LCS	Sample		dx-120.met	20101020\d5901_084.dxd	1	1	1	1
85	CCV	Sample		dx-120.met	20101020\d5901_085.dxd	1	1	1	1
86	CCB	Sample		dx-120.met	20101020\d5901_086.dxd	1	1	1	1
87	SHUTDOWN	Sample		shutdown120.met	d5901	1	1	1	1

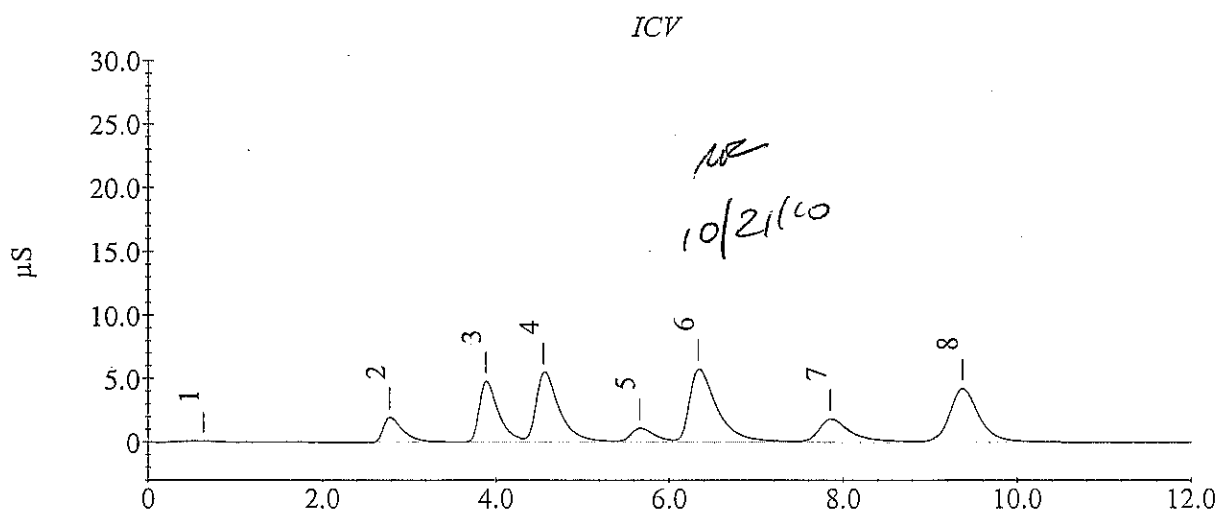
Sample Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\20101020\D5901_001.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 11:22:25 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 1

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	1.0320	310758	19581
3	CHLORIDE	3.88	3.2369	733960	47567
4	NITRITE	4.55	2.0883	1048337	54877
5	BROMIDE	5.67	2.0829	210242	11092
6	NITRATE	6.33	2.2002	1271647	57427
7	OrthophosP	7.85	1.3111	488818	18403
8	SULFATE	9.37	5.3632	1004489	42166



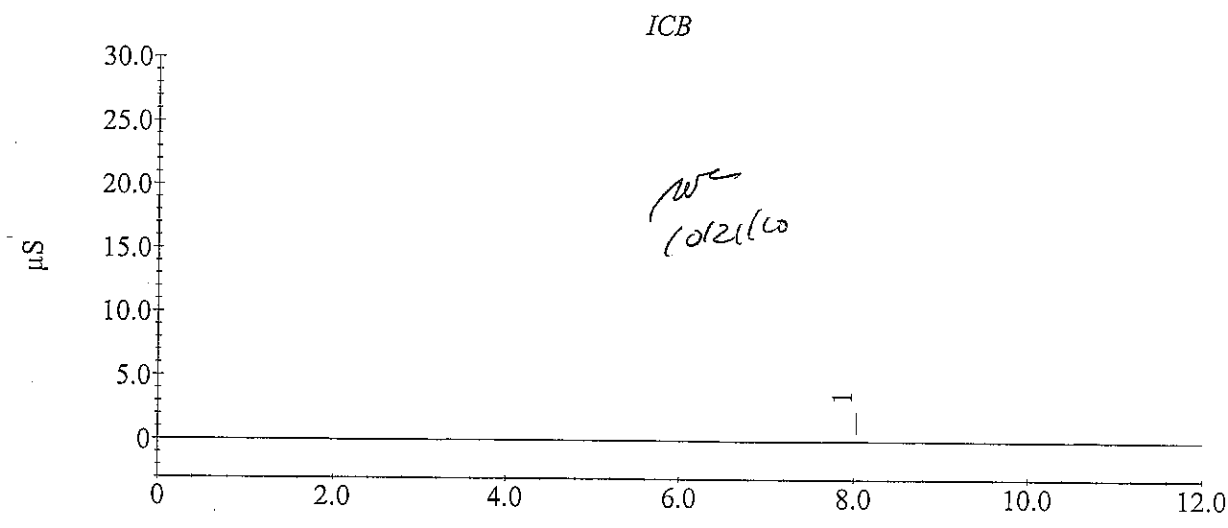
Sample Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\20101020\D5901_002.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 11:36:44 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 2

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



PW 10/21/10

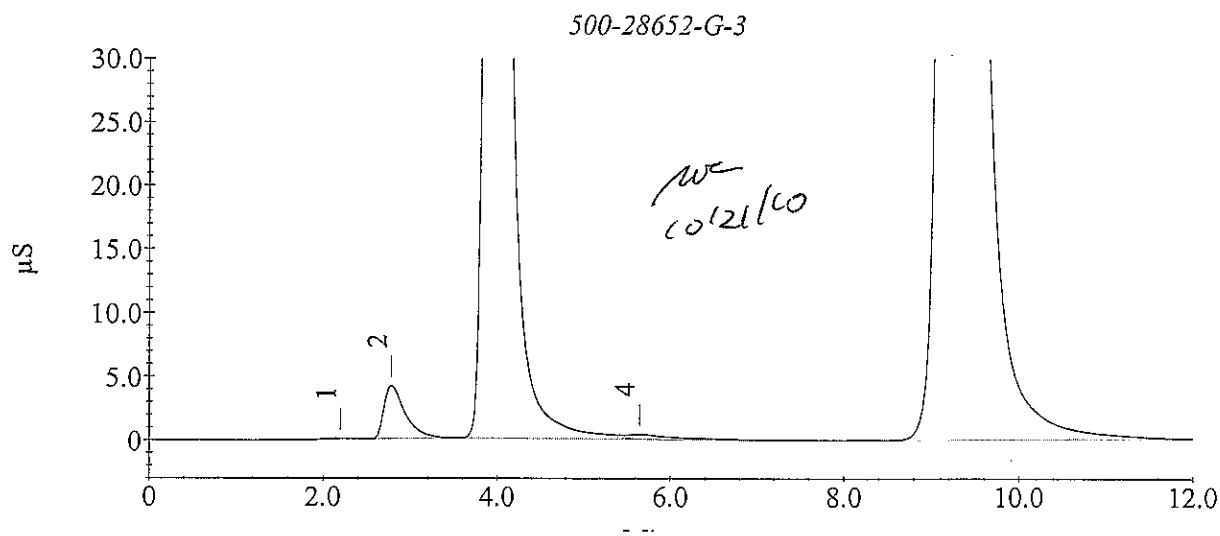
Sample Analysis Report

Sample Name : 500-28652-G-3
Data File Name : c:\peaknet\data\20101020\D5901_003.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 11:51:03 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 3

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	2.3631	696414	41539
3	CHLORIDE	3.97	116.1628	27217210	1934511
	NITRITE				
4	BROMIDE	5.65	1.6272	161121	3798
	NITRATE				
	OrthophosP				
5	SULFATE	9.23	271.5708	49373311	2021807



Sample Analysis Report

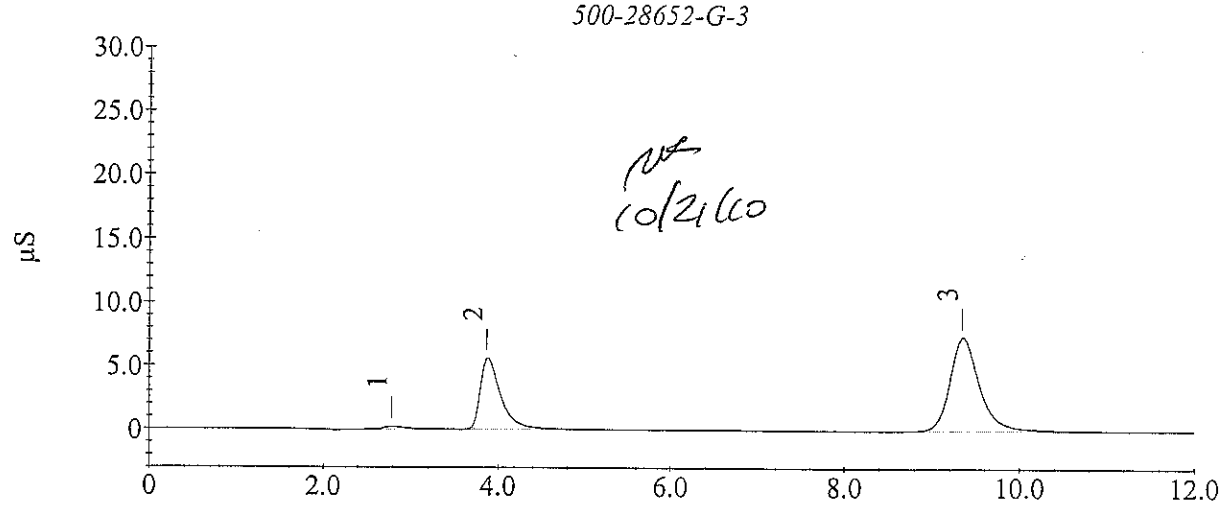
Sample Name : 500-28652-G-3
Data File Name : c:\peaknet\data\20101020\D5901_004.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 12:05:22 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 4

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.78	1.4658	33001	2088
2	CHLORIDE	3.87	80.6219	920214	55832
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.33	186.7931	1727001	73411

500-28652-G-3



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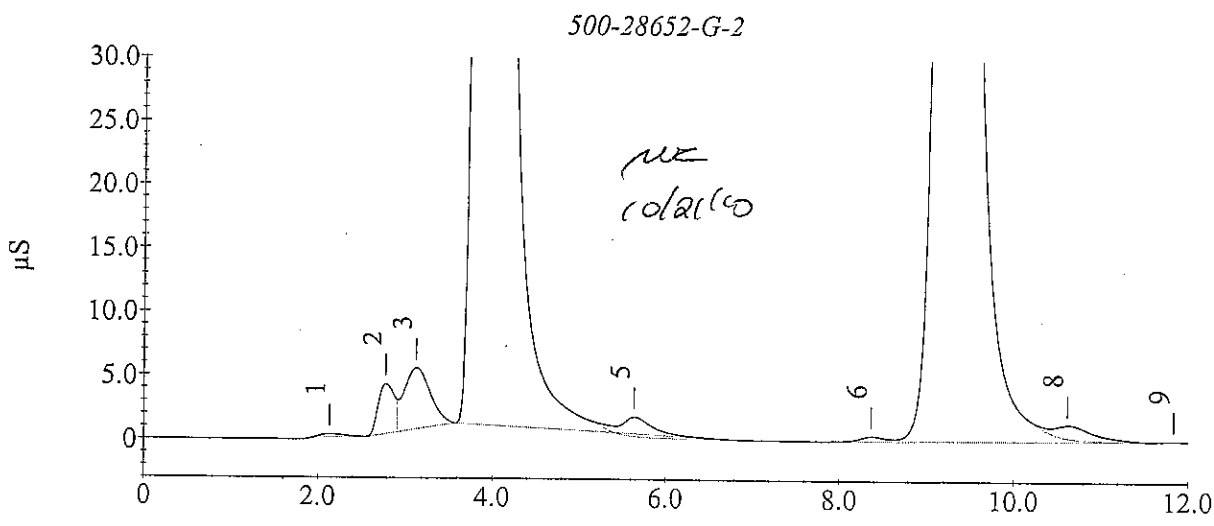
Sample Analysis Report

Sample Name : 500-28652-G-2
Data File Name : c:\peaknet\data\20101020\D5901_005.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 12:19:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 5

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	1.6947	502742	39054
4	CHLORIDE	3.92	340.3806	79800524	5314290
	NITRITE				
5	BROMIDE	5.63	4.0658	424005	15248
	NITRATE				
6	OrthophosP	8.37	0.0125	80799	3936
7	SULFATE	9.23	209.1601	38033548	1567472



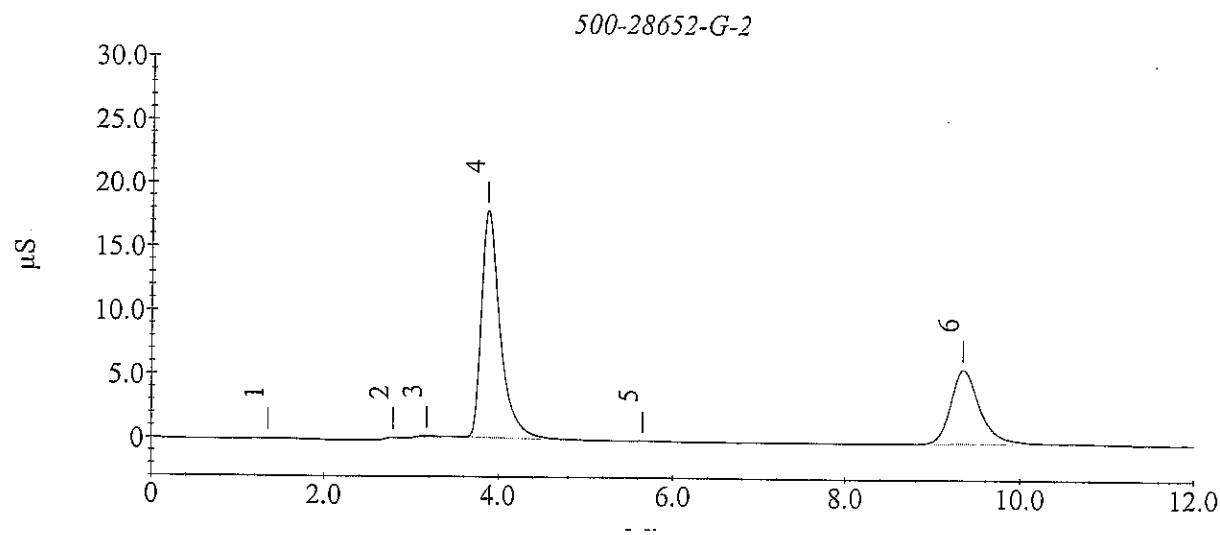
Sample Analysis Report

Sample Name : 500-28652-G-2
Data File Name : c:\peaknet\data\20101020\D5901_006.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 12:34:05 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 6

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	0.2339	15156	1416
4	CHLORIDE	3.87	233.5104	2712976	177308
	NITRITE				
5	BROMIDE	5.65	3.9735	7118	414
	NITRATE				
	OrthophosP				
6	SULFATE	9.33	145.4836	1351713	57827



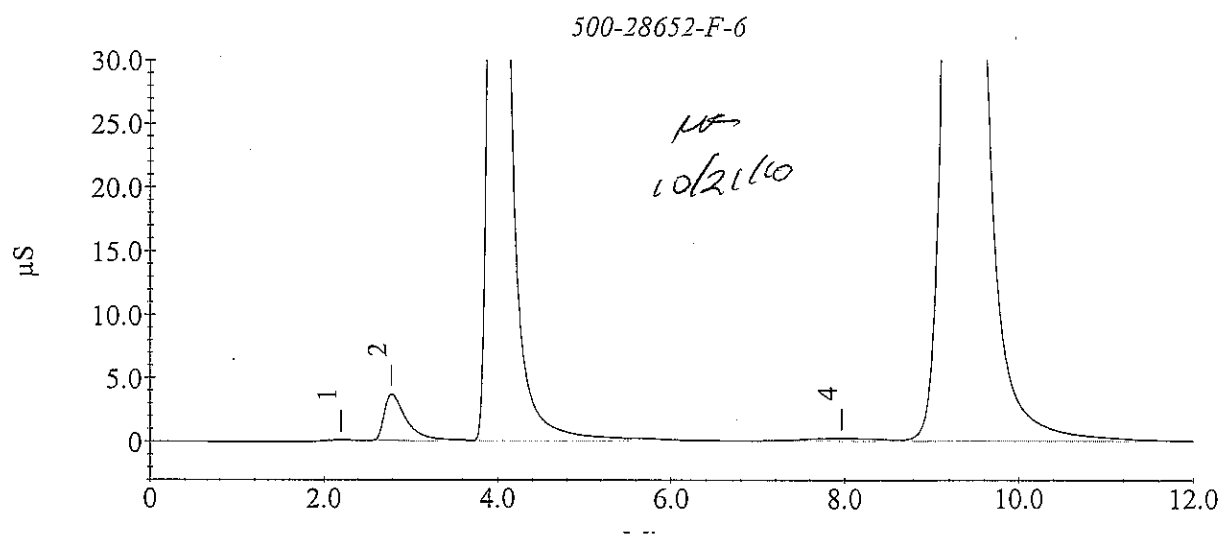
Sample Analysis Report

Sample Name : 500-28652-F-6
Data File Name : c:\peaknet\data\20101020\D5901_007.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 12:48:24 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 7

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	2.2159	653748	36243
3	CHLORIDE	3.98	69.1227	16185415	1306617
	NITRITE				
	BROMIDE				
	NITRATE				
4	OrthophosP	7.97	0.1872	135674	2123
5	SULFATE	9.28	177.6924	32315998	1389073



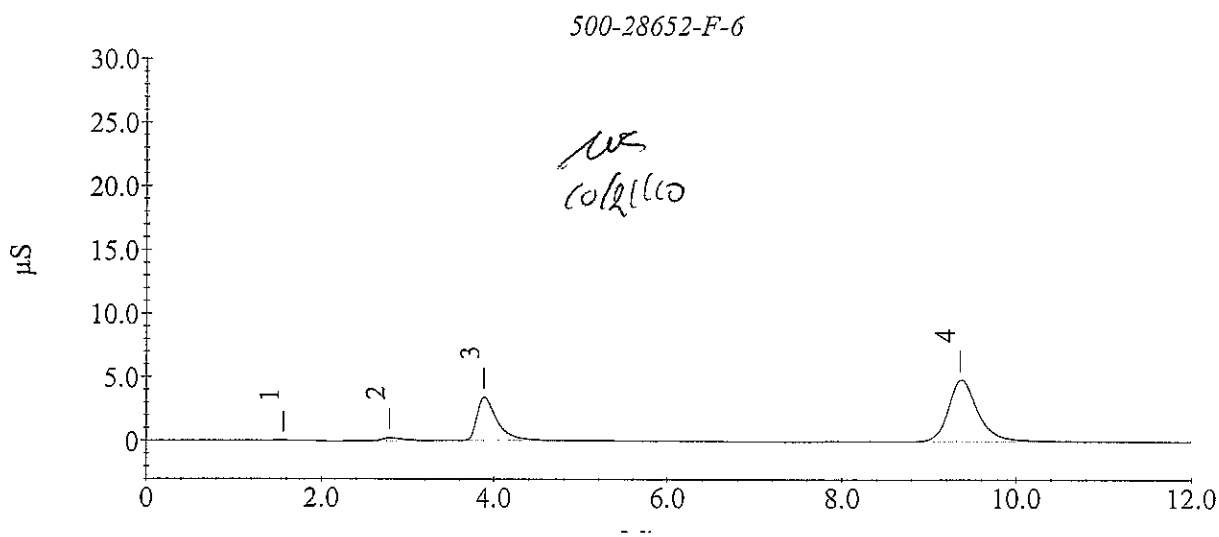
Sample Analysis Report

Sample Name : 500-28652-F-6
Data File Name : c:\peaknet\data\20101020\D5901_008.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 1:02:43 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 8

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	2.0631	41655	2254
3	CHLORIDE	3.88	49.5462	555823	33679
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.35	122.9133	1146666	48232



Sample Analysis Report

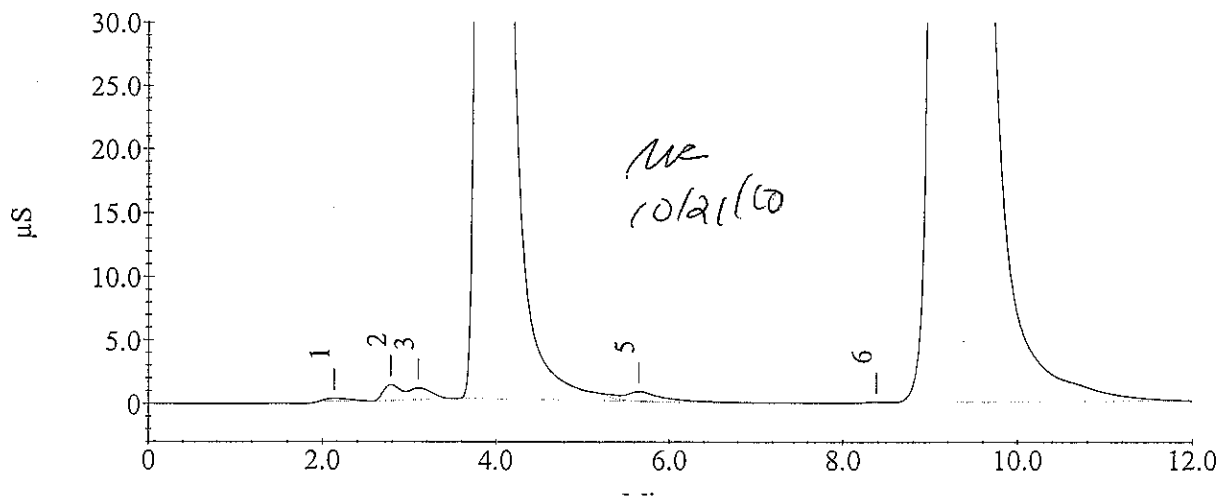
Sample Name : 500-28652-F-4
Data File Name : c:\peaknet\data\20101020\D5901_009.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 1:17:02 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 9

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	0.5398	168145	12409
4	CHLORIDE	3.90	203.4478	47687201	2944639
	NITRITE				
5	BROMIDE	5.65	2.4201	246592	7642
	NITRATE				
	OrthophosP				
7	SULFATE	9.17	452.8249	82306434	3052325

500-28652-F-4



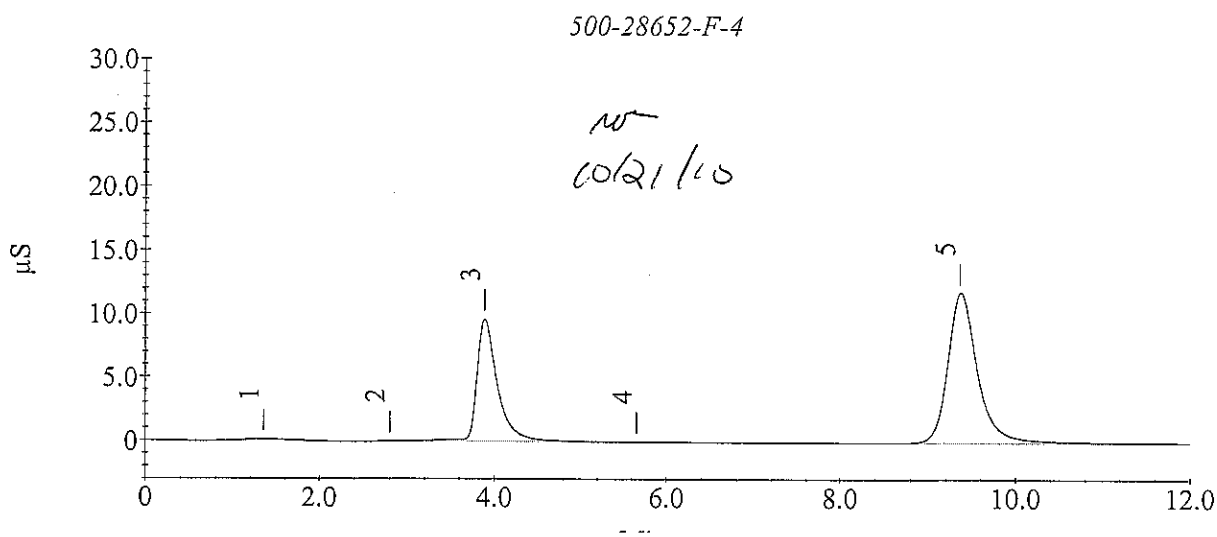
Sample Analysis Report

Sample Name : 500-28652-F-4
Data File Name : c:\peaknet\data\20101020\D5901_010.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 1:31:20 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 10

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.80	-0.5050	4453	422
3	CHLORIDE	3.88	136.6878	1577640	96261
	NITRITE				
4	BROMIDE	5.65	4.6319	10667	416
	NITRATE				
	OrthophosP				
5	SULFATE	9.35	304.8438	2799467	118088



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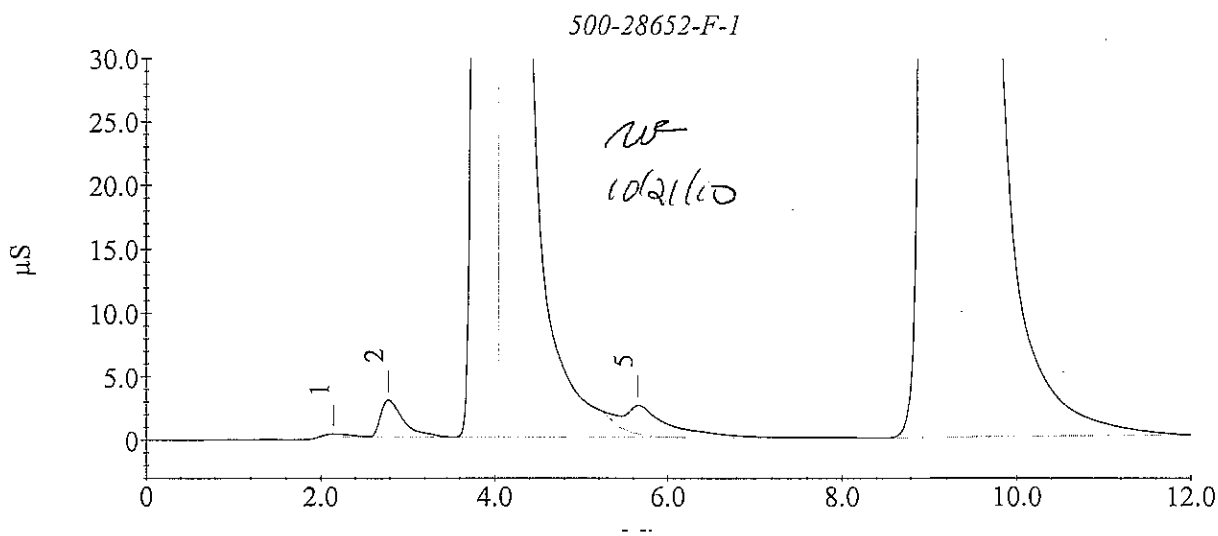
Sample Analysis Report

Sample Name : 500-28652-F-1
Data File Name : c:\peaknet\data\20101020\D5901_011.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 1:45:45 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 11

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	1.7777	526795	29101
3	CHLORIDE	3.97	345.4856	80997739	6567752
4	NITRITE	4.13	132.0517	69407695	6138676
5	BROMIDE	5.65	7.3474	777776	22594
	NITRATE				
	OrthophosP				
6	SULFATE	9.08	809.8266	147172182	4908518



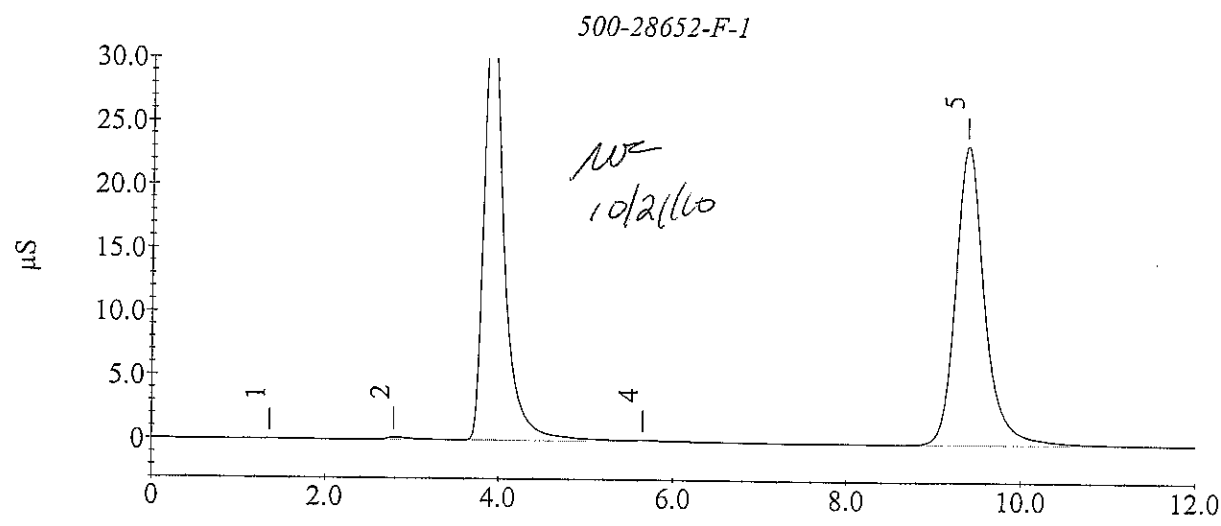
Sample Analysis Report

Sample Name : 500-28652-F-1
Data File Name : c:\peaknet\data\20101020\D5901_012.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 2:00:05 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 12

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	1.6182	35210	1948
3	CHLORIDE	3.88	480.0327	5603682	349204
	NITRITE				
4	BROMIDE	5.65	12.9916	55727	1227
	NITRATE				
	OrthophosP				
5	SULFATE	9.37	597.2474	5455893	234715



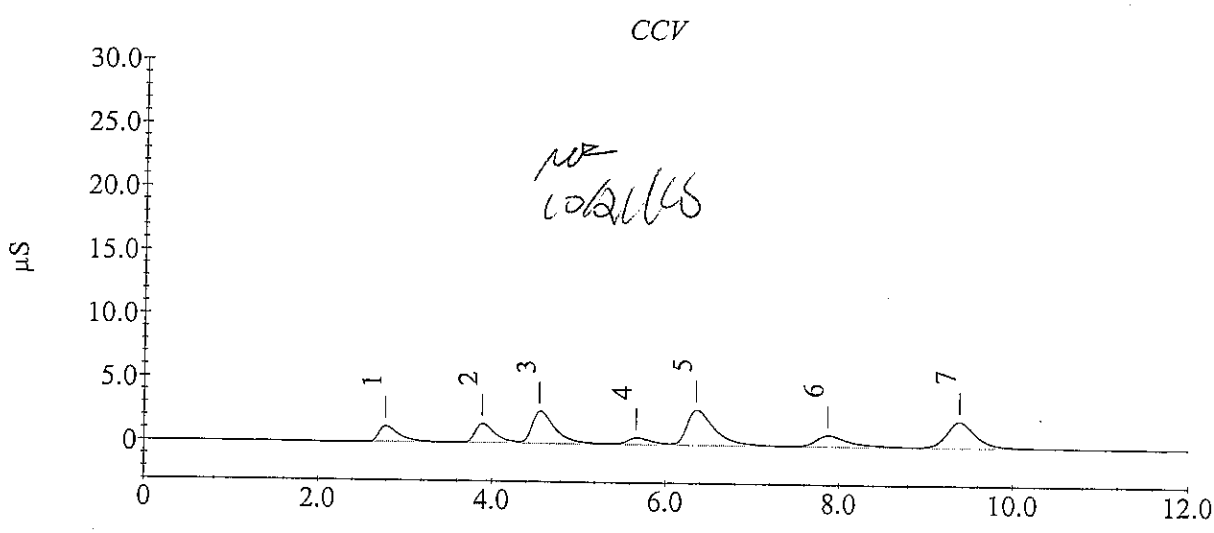
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_013.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 2:14:29 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 13

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.78	0.6366	196213	12200
2	CHLORIDE	3.88	1.0947	231577	14690
3	NITRITE	4.55	1.0045	478308	24818
4	BROMIDE	5.67	1.0569	99634	5221
5	NITRATE	6.35	1.0957	611239	27402
6	OrthophosP	7.87	0.5308	243654	8807
7	SULFATE	9.38	2.4648	477873	20284



NR 10/21/10

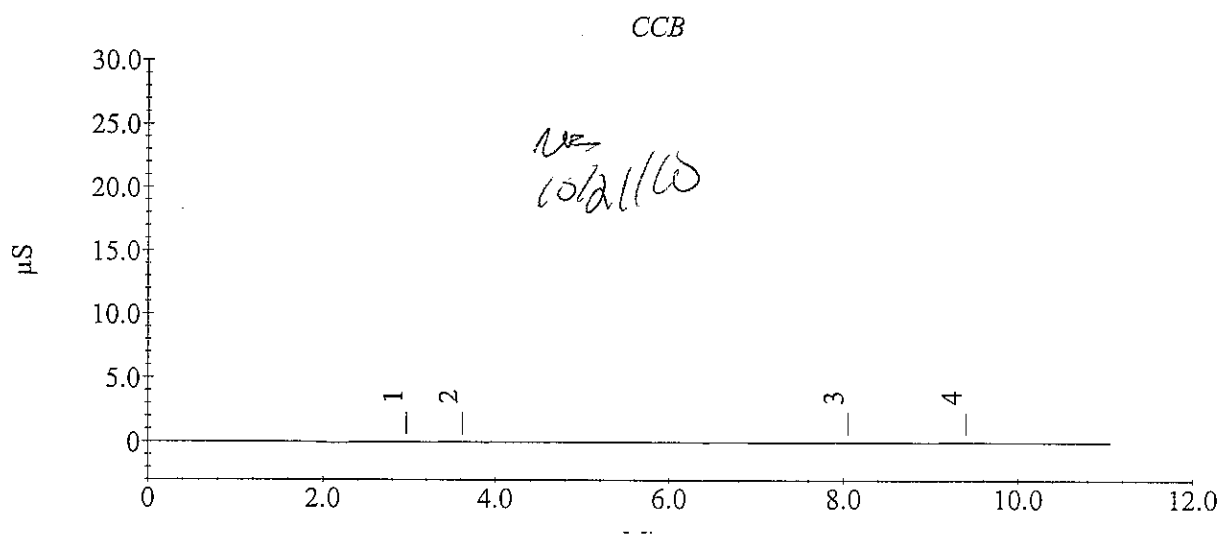
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_014.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 2:28:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 14

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	3.62	0.1177	2457	94
	NITRITE				
	BROMIDE				
	NITRATE				
3	OrthophosP	8.05	-0.2298	4662	142
4	SULFATE	9.40	-0.1514	2523	131



NE 10/21/10

Sample Analysis Report

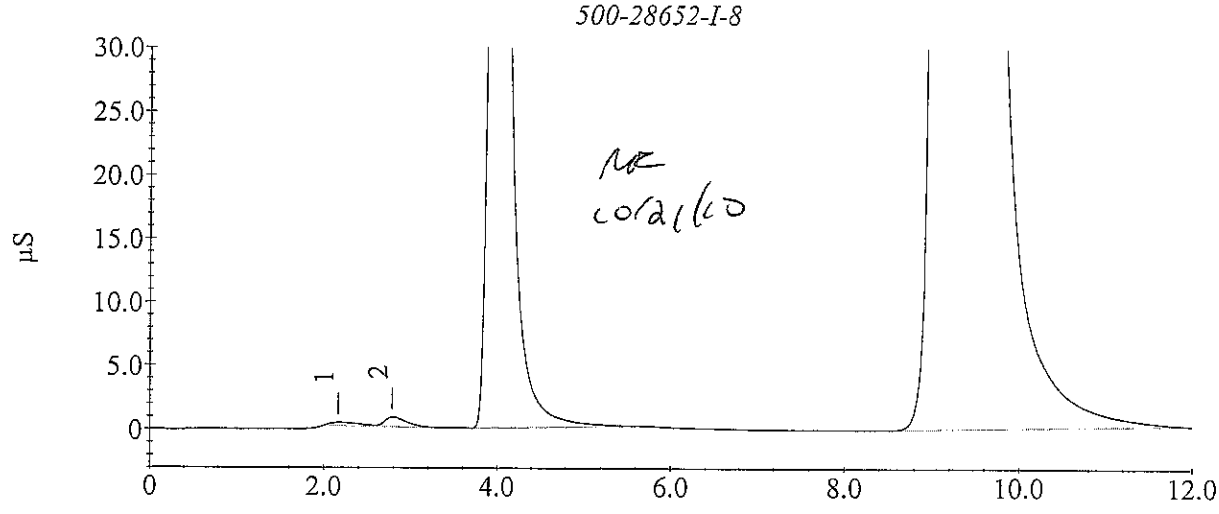
Sample Name : 500-28652-I-8
Data File Name : c:\peaknet\data\20101020\D5901_015.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 2:44:18 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 15

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	0.4213	133818	7546
3	CHLORIDE	3.98	65.3571	15302317	1155132
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.15	702.3196	127638602	4376733

500-28652-I-8



Sample Analysis Report

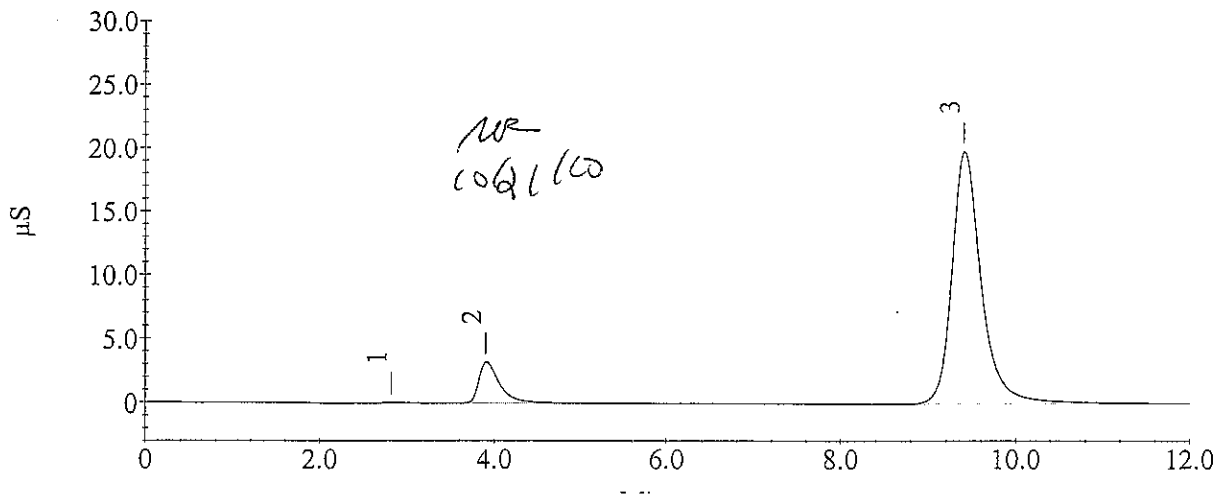
Sample Name : 500-28652-I-8
Data File Name : c:\peaknet\data\20101020\D5901_016.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 2:58:37 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 16

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.82	-0.1190	10045	533
2	CHLORIDE	3.90	48.1161	539054	32087
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.40	506.1665	4628442	198041

500-28652-I-8



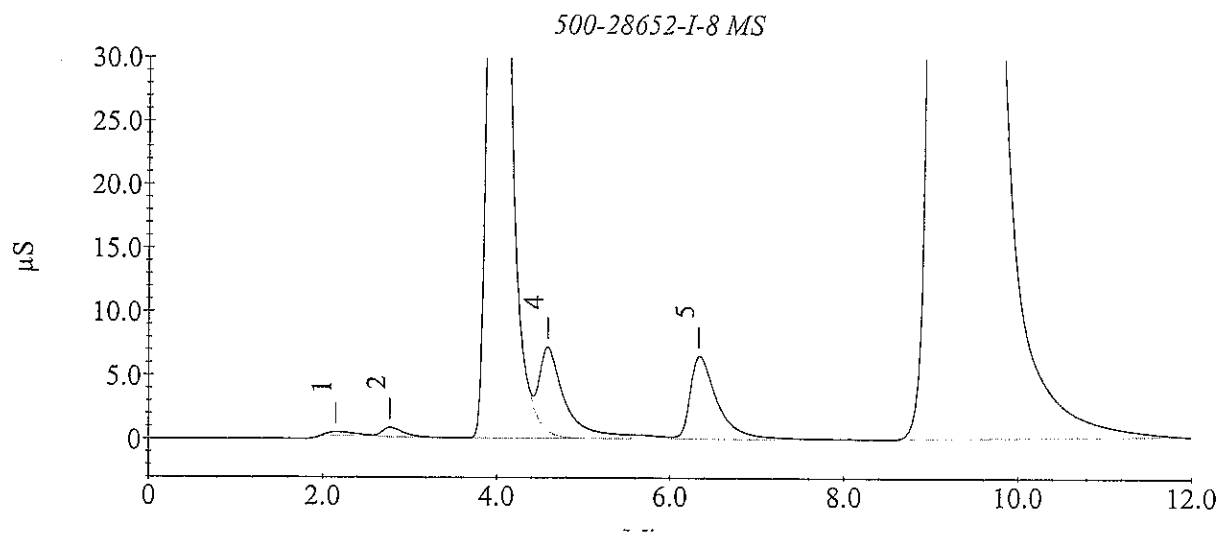
Sample Analysis Report

Sample Name : 500-28652-I-8 MS
Data File Name : c:\peaknet\data\20101020\D5901_017.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 3:12:56 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 17

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	0.3979	127039	7277
3	CHLORIDE	3.98	65.7536	15395300	1173217
4	NITRITE BROMIDE	4.58	2.6434	1340347	65617
5	NITRATE OrthophosP	6.33	2.4964	1448707	64714
6	SULFATE	9.15	680.2494	123628536	4267713



Sample Analysis Report

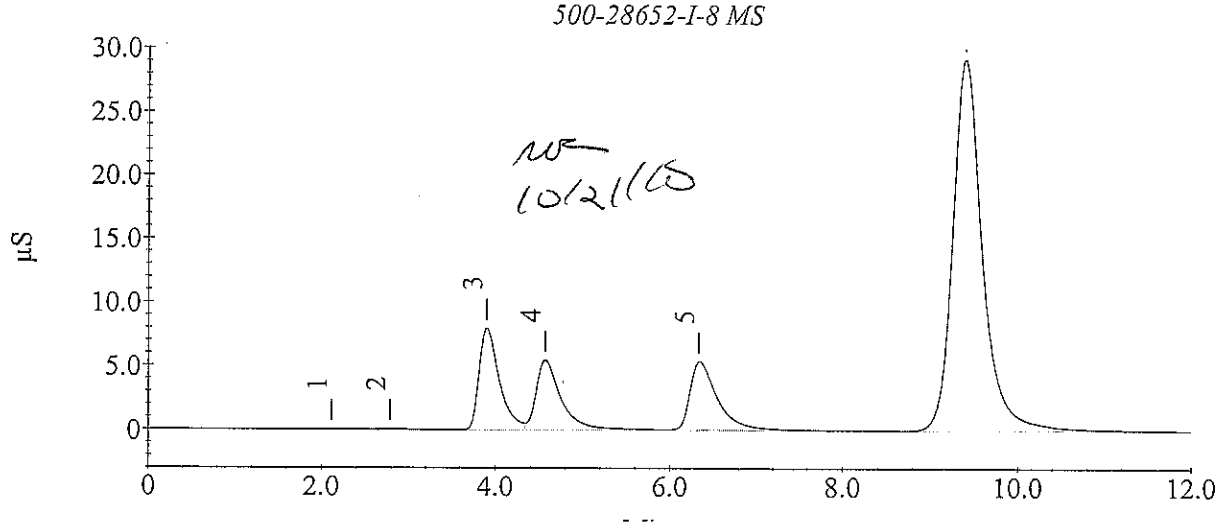
Sample Name : 500-28652-I-8 MS
Data File Name : c:\peaknet\data\20101020\D5901_018.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 3:27:15 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 18

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	-0.0743	10692	576
3	CHLORIDE	3.90	109.9775	1264436	79641
4	NITRITE BROMIDE	4.57	43.1525	1084813	54505
5	NITRATE OrthophosP	6.33	41.9984	1211672	53595
6	SULFATE	9.38	747.9121	6824651	291737

500-28652-I-8 MS



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10/21/10

Sample Analysis Report

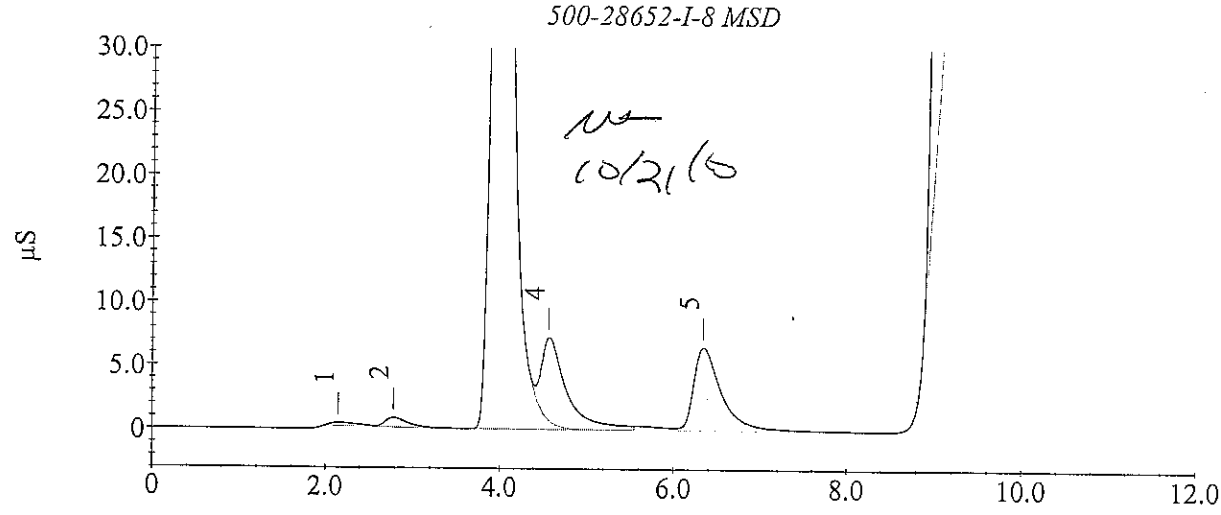
Sample Name : 500-28652-I-8 MSD
Data File Name : c:\peaknet\data\20101020\D5901_019.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 3:41:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 19

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	0.4071	129726	7339
3	CHLORIDE	3.97	66.4722	15563823	1163020
4	NITRITE	4.57	2.6499	1343728	64803
5	BROMIDE NITRATE	6.33	2.5138	1459157	65213
6	OrthophosP SULFATE	9.15	499.4685	90781386	3922125

500-28652-I-8 MSD



Sample Analysis Report

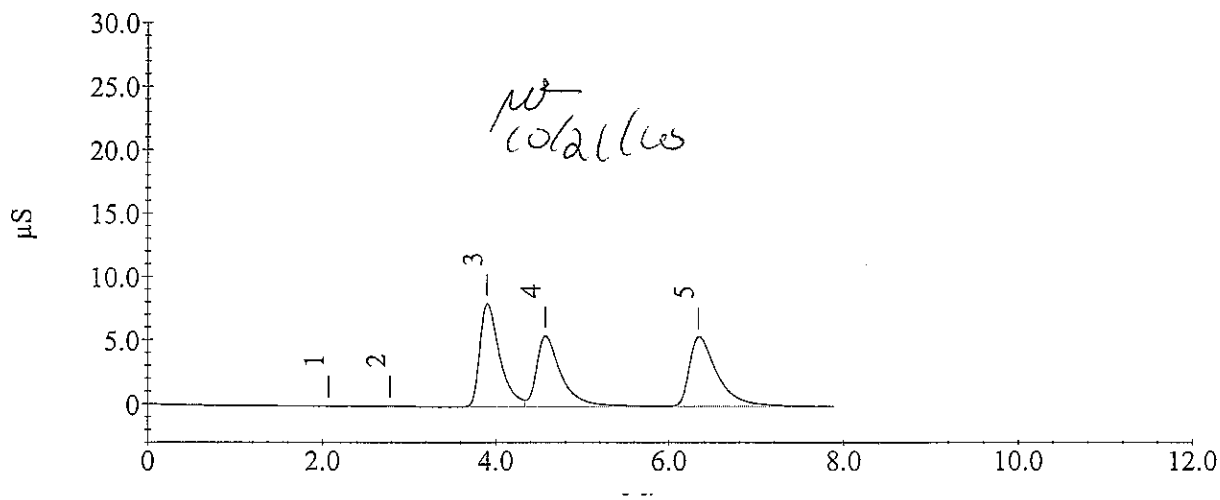
Sample Name : 500-28652-I-8 MSD
Data File Name : c:\peaknet\data\20101020\D5901_020.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 3:53:39 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 20

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.78	-0.0940	10406	584
3	CHLORIDE	3.90	110.5867	1271579	80591
4	NITRITE BROMIDE	4.57	43.2484	1087336	55192
5	NITRATE OrthophosP SULFATE	6.33	41.8158	1206211	54362

500-28652-I-8 MSD



PF 10/21/10

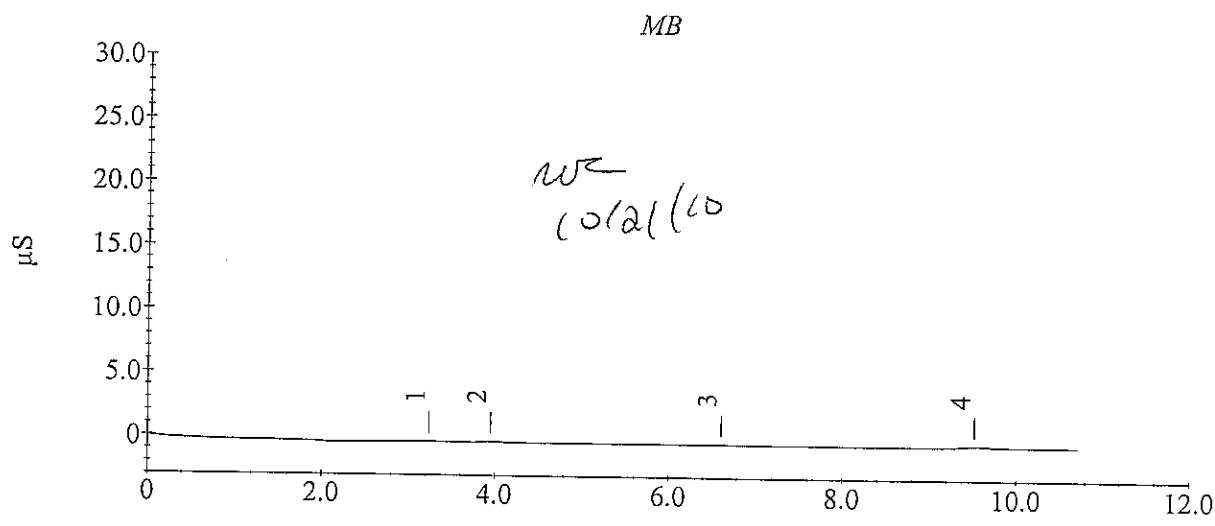
Sample Analysis Report

Sample Name : MB
Data File Name : c:\peaknet\data\20101020\D5901_021.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 4:04:00 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 21

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE NITRITE	3.95	0.1585	12011	772
3	BROMIDE NITRATE OrthophosP	6.62	0.0807	4353	227
4	SULFATE	9.52	-0.0086	28464	1262



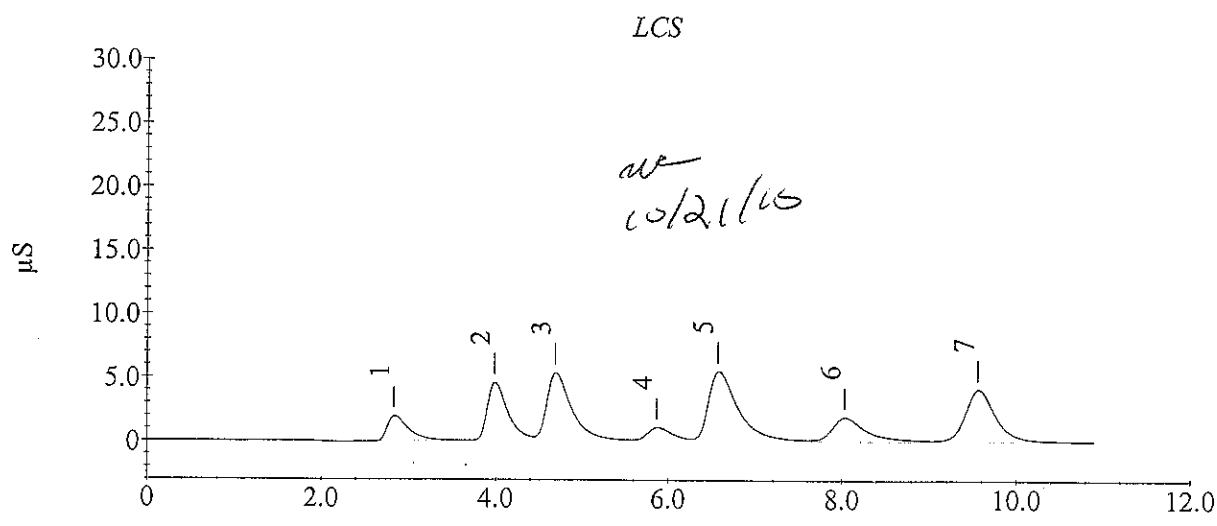
Sample Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\20101020\D5901_022.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 4:17:10 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 22

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.83	1.0357	311842	19013
2	CHLORIDE	3.98	3.2823	744618	45468
3	NITRITE	4.68	2.1439	1077600	53239
4	BROMIDE	5.87	2.1670	219315	10688
5	NITRATE	6.57	2.2446	1298179	54680
6	OrthophosP	8.03	1.4683	538222	18957
7	SULFATE	9.55	5.3544	1002894	40929



ae
10/21/10

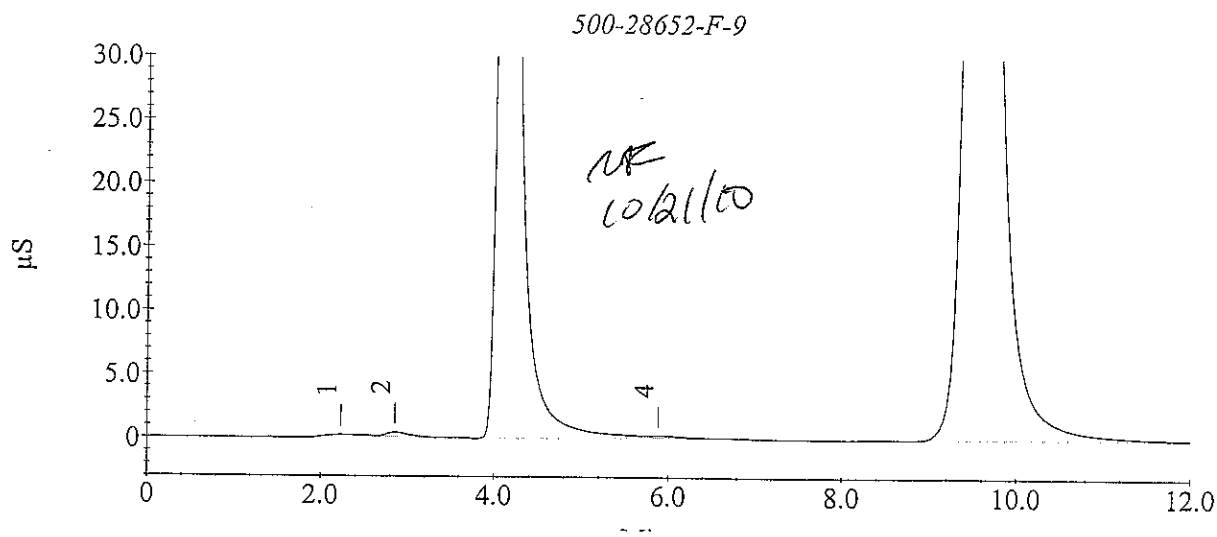
Sample Analysis Report

Sample Name : 500-28652-F-9
Data File Name : c:\peaknet\data\20101020\D5901_023.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 4:30:29 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 23

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.85	0.1739	62159	3412
3	CHLORIDE	4.12	68.7405	16095798	1292151
	NITRITE				
4	BROMIDE	5.88	0.4587	35149	1399
	NITRATE				
	OrthophosP				
5	SULFATE	9.52	133.8354	24347358	1033281



Sample Analysis Report

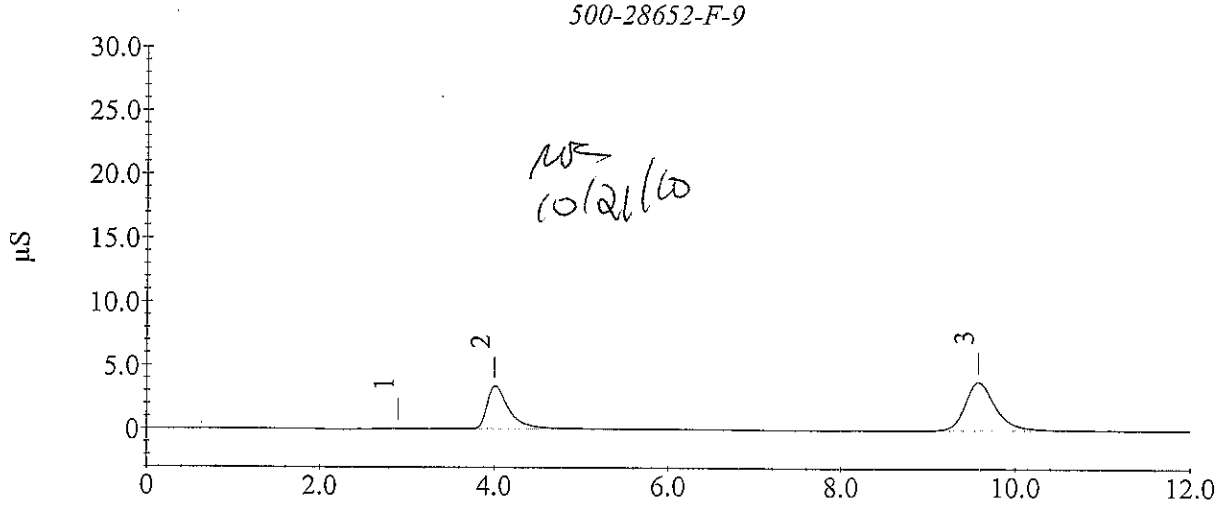
Sample Name : 500-28652-F-9
Data File Name : c:\peaknet\data\20101020\D5901_024.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 4:44:49 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 24

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.90	-0.5924	3186	176
2	CHLORIDE	4.00	53.6964	604488	33477
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.57	99.7738	936449	38321

500-28652-F-9



10/21/10

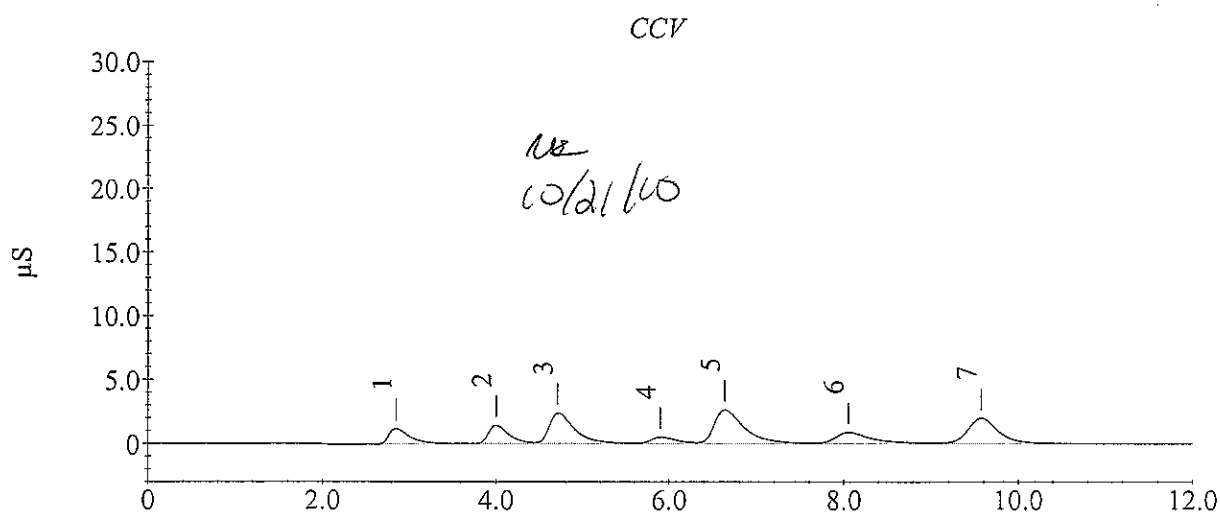
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_025.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 4:59:07 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 25

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.85	0.6413	197559	11809
2	CHLORIDE	4.00	1.1170	236794	14417
3	NITRITE	4.70	1.0408	497398	23899
4	BROMIDE	5.90	1.1554	110258	5212
5	NITRATE	6.63	1.1598	649540	26563
6	OrthophosP	8.05	0.6523	281803	9074
7	SULFATE	9.57	2.6265	507242	20081



ve
10/21/10

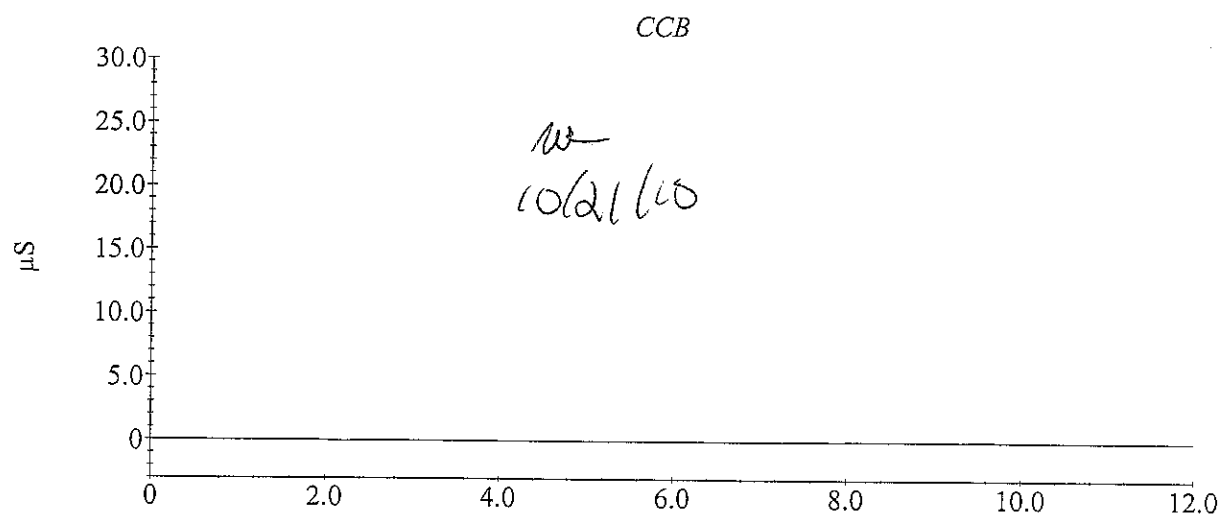
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_026.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 5:13:26 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 26

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



10/21/10

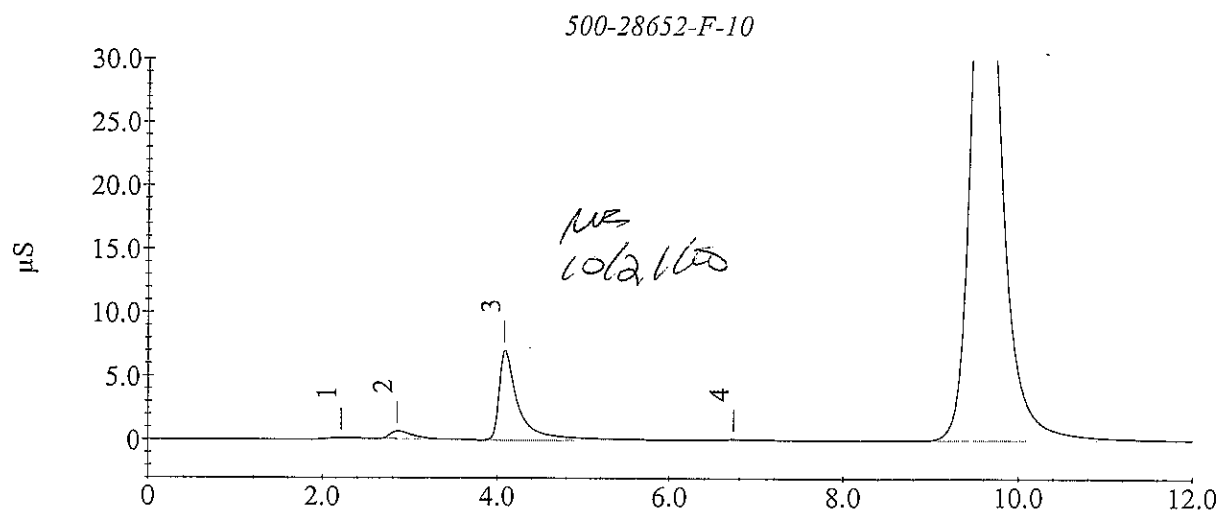
Sample Analysis Report

Sample Name : 500-28652-F-10
Data File Name : c:\peaknet\data\20101020\D5901_027.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 5:27:45 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 27

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.85	0.3879	124140	5971
3	CHLORIDE	4.08	5.0388	1156530	70340
	NITRITE				
	BROMIDE				
4	NITRATE	6.73	0.1249	30747	889
	OrthophosP				
5	SULFATE	9.57	63.2480	11521927	492592



Sample Analysis Report

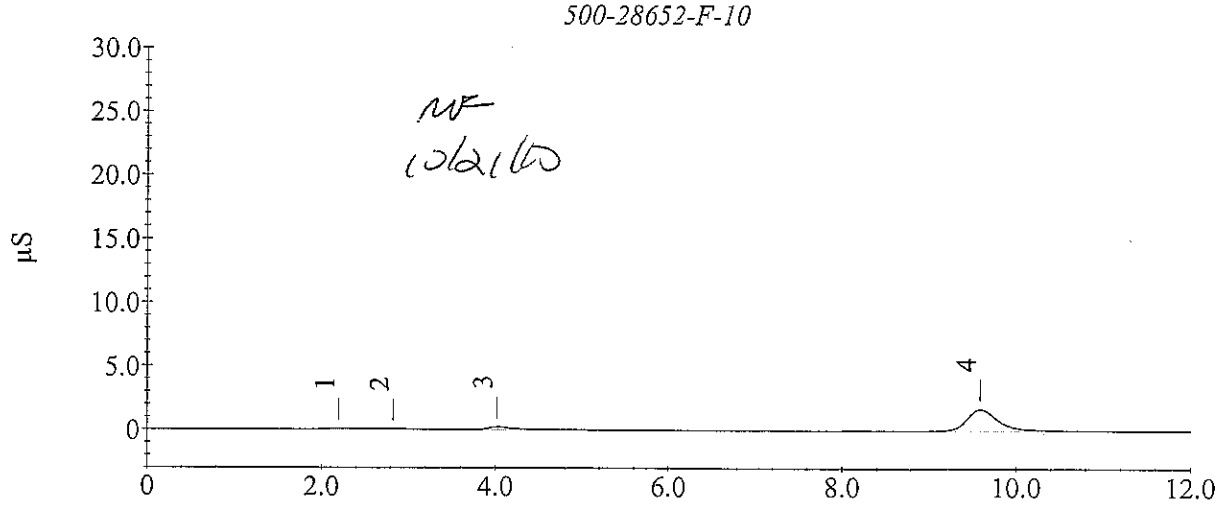
Sample Name : 500-28652-F-10
Data File Name : c:\peaknet\data\20101020\D5901_028.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 5:42:04 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 28

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.83	-0.1185	10051	480
3	CHLORIDE	4.02	5.6313	40879	2096
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.58	43.9903	429667	16987

500-28652-F-10



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10/21/10

Sample Analysis Report

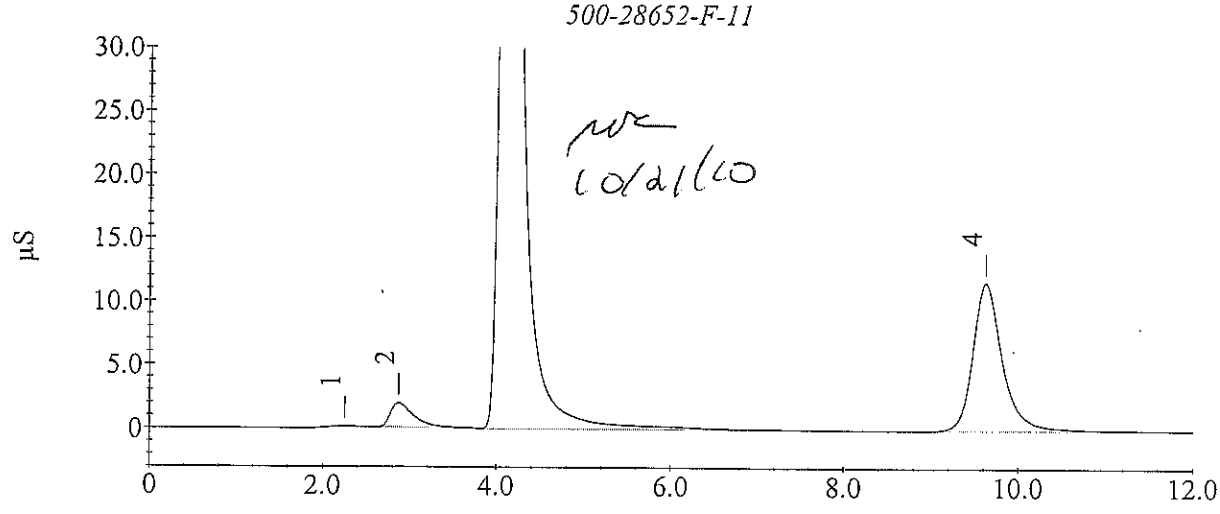
Sample Name : 500-28652-F-11
Data File Name : c:\peaknet\data\20101020\D5901_029.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 5:56:23 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 29

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.87	1.2020	359996	18824
3	CHLORIDE	4.12	67.4653	15796734	1183491
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.62	15.0837	2770668	116335

500-28652-F-11



10/21/10

Sample Analysis Report

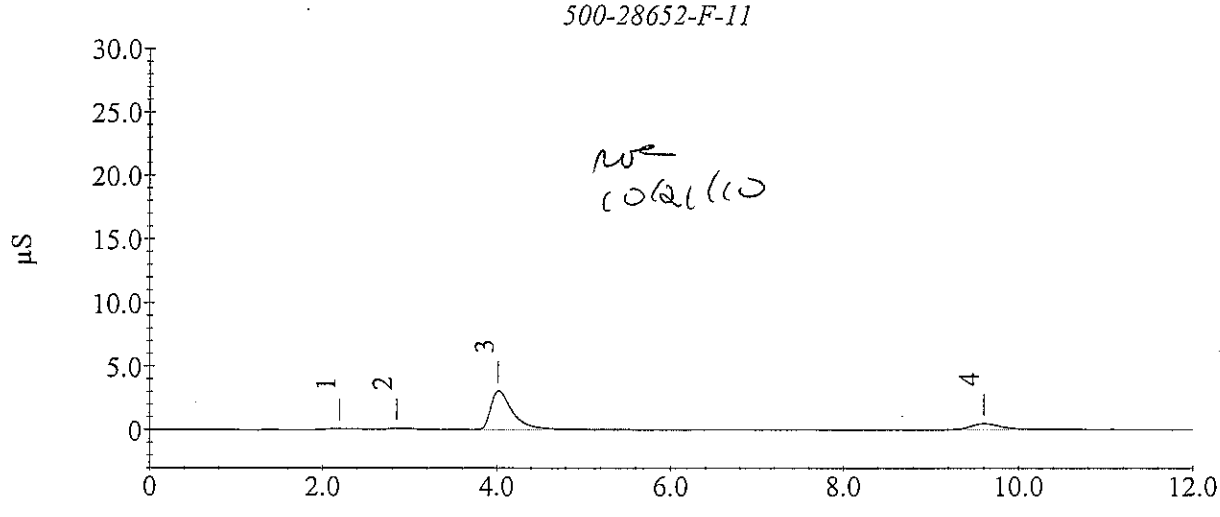
Sample Name : 500-28652-F-11
Data File Name : c:\peaknet\data\20101020\D5901_030.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 6:10:42 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 30

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.85	0.5456	19672	1074
3	CHLORIDE	4.02	49.5022	555306	30584
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.60	8.7545	109557	4673

500-28652-F-11



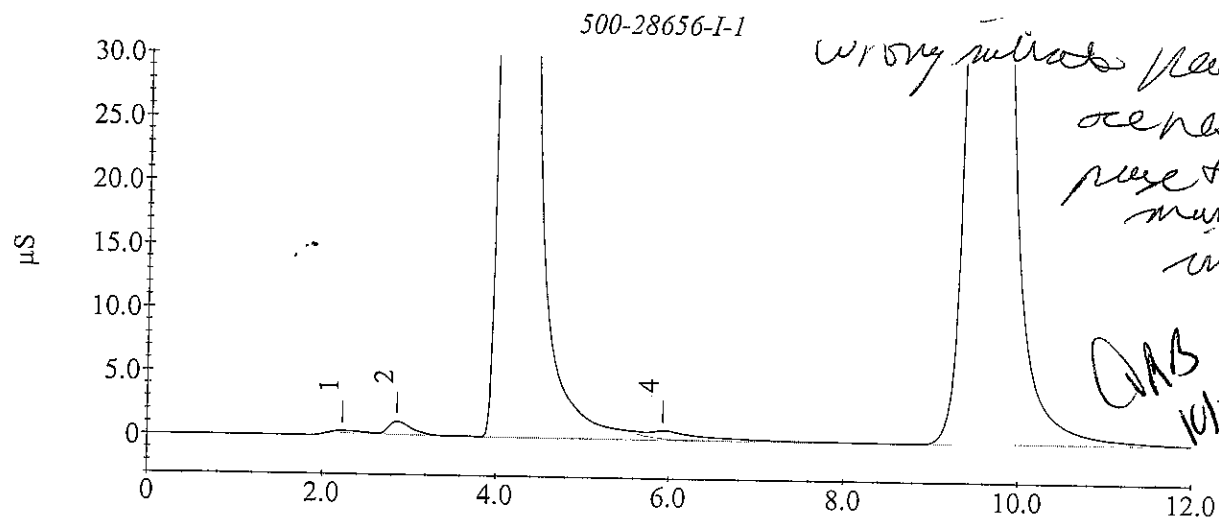
Sample Analysis Report

Sample Name : 500-28656-I-1
Data File Name : c:\peaknet\data\20101020\D5901_031.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 6:25:01 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 31

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE m CHLORIDE m	2.87	0.6092	188257	10140
3	NITRITE m BROMIDE m	4.20	97.3252	51141971	3567633
4	NITRATE OrthophosP	5.93	0.5339	275295	6271
5	SULFATE	9.53	178.7403	32506408	1328454



wrong nitrate peak — accept use for manual integration
QAB 10/20/10

Sample Analysis Report

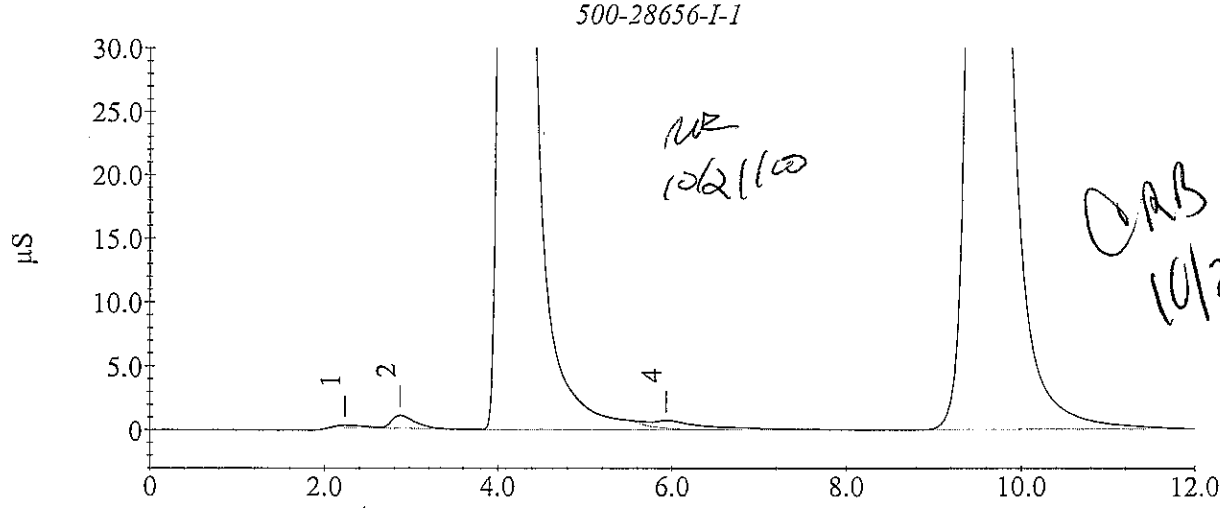
Sample Name : 500-28656-I-1
Data File Name : C:\PEAKNET\DATA\20101020\D5901_031.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 6:25:01 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 31

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.87	0.6092	188257	10140
	CHLORIDE				
3	NITRITE	4.20	97.3252	51141971	3567633
4	BROMIDE	5.93	2.6863	275295	6271
	NITRATE				
	OrthophosP				
5	SULFATE	9.53	178.7403	32506408	1328454

500-28656-I-1



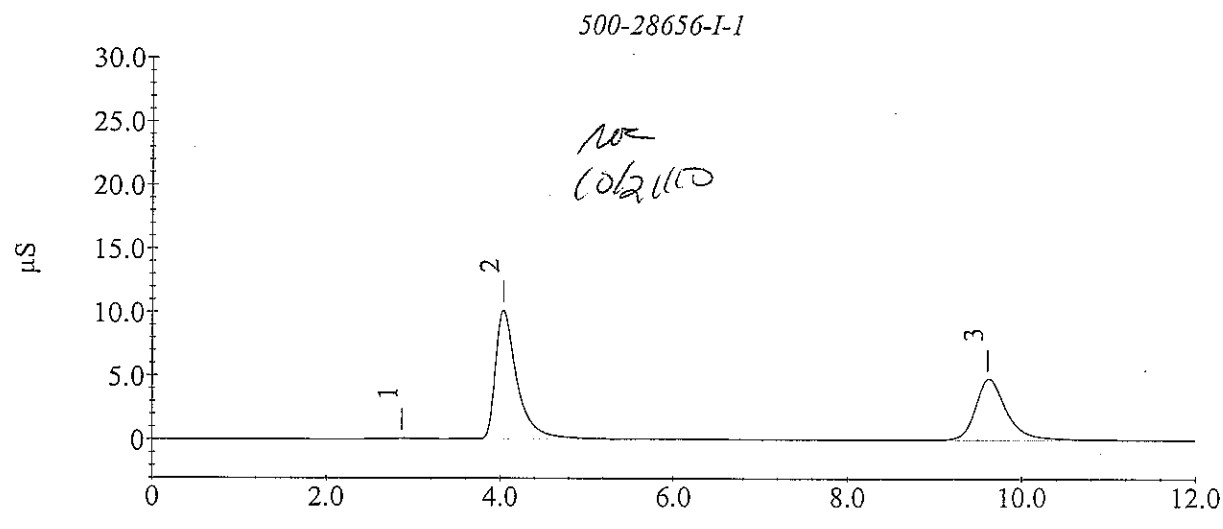
Sample Analysis Report

Sample Name : 500-28656-I-1
Data File Name : c:\peaknet\data\20101020\D5901_032.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 6:39:20 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 32

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	0.0200	12057	636
2	CHLORIDE	4.03	154.6803	1788619	100980
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.60	133.4138	1242061	48036



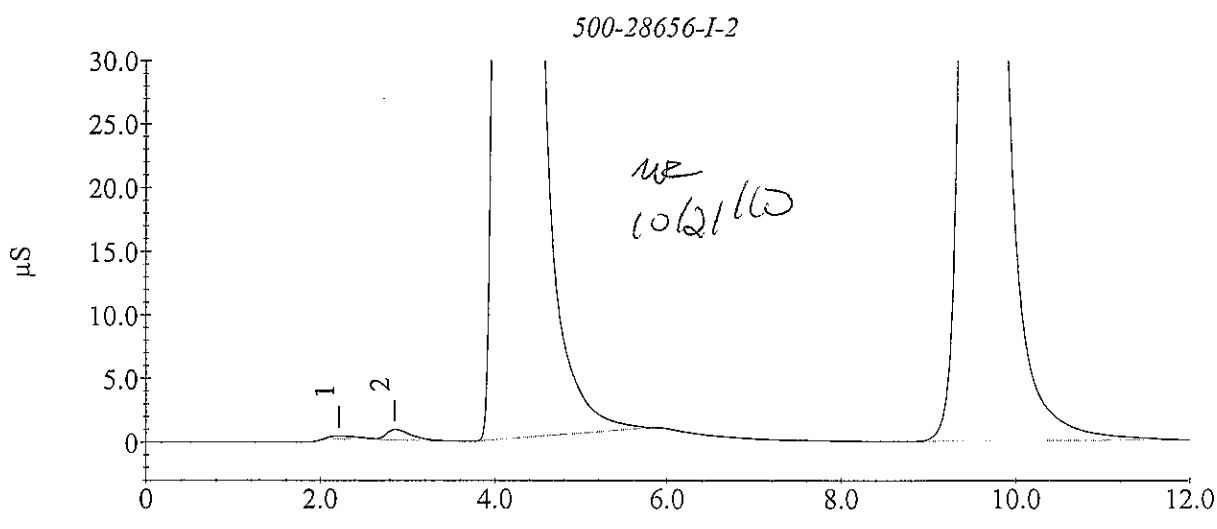
Sample Analysis Report

Sample Name : 500-28656-I-2
Data File Name : c:\peaknet\data\20101020\D5901_033.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 6:53:38 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 33

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE	2.85	0.5109	159798	8307
3	NITRITE BROMIDE NITRATE OrthophosP	4.27	202.1669	106287550	6067497
4	SULFATE	9.52	212.0962	38567036	1570631



Sample Analysis Report

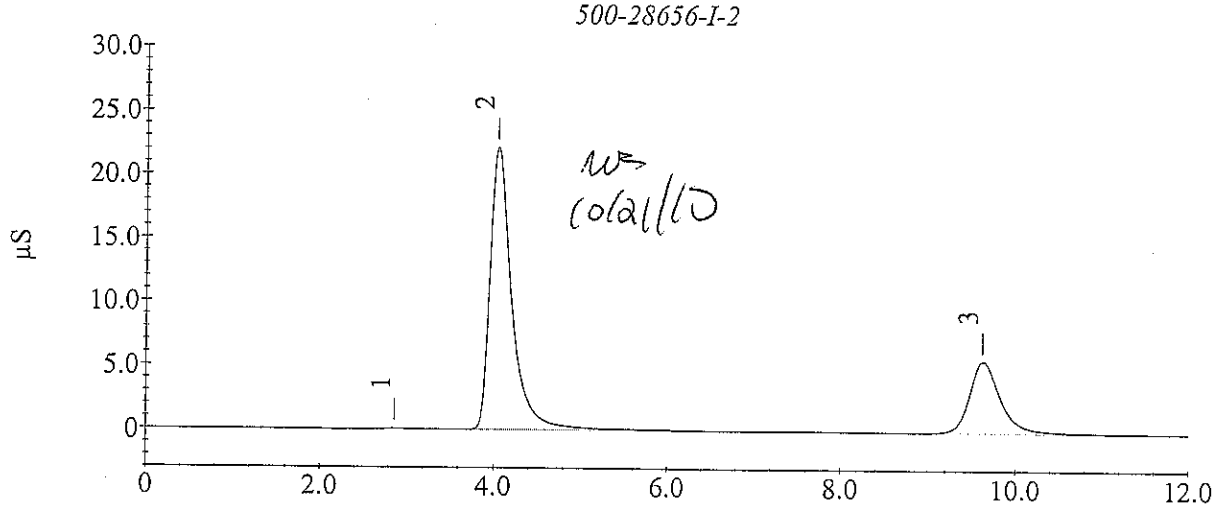
Sample Name : 500-28656-I-2
Data File Name : c:\peaknet\data\20101020\D5901_034.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:07:57 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 34

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	-0.0278	11365	579
2	CHLORIDE	4.03	332.0843	3868848	221228
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.62	150.7974	1399987	55809

500-28656-I-2



10/21/10

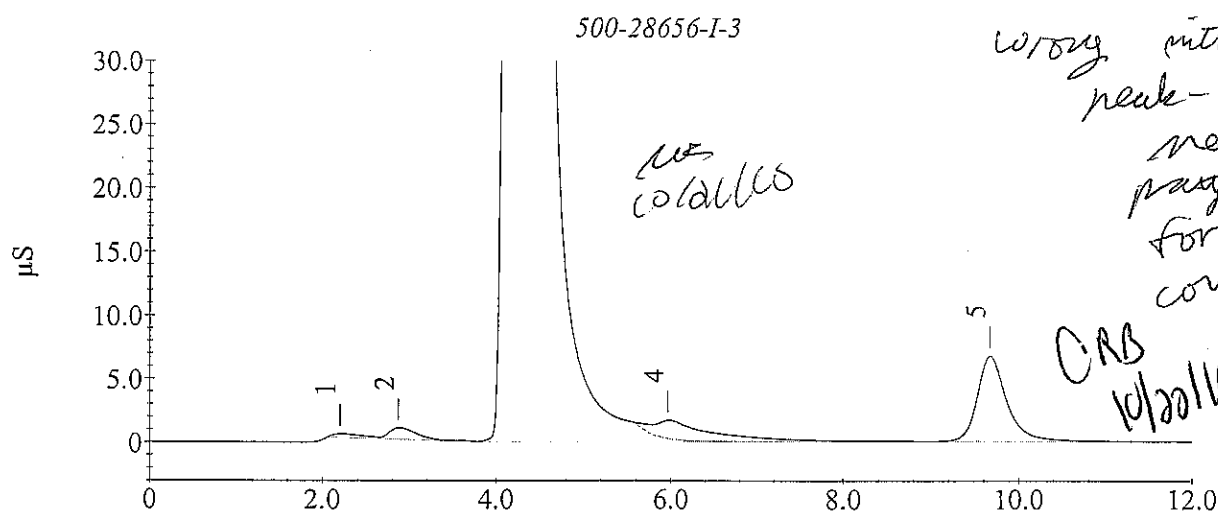
Sample Analysis Report

Sample Name : 500-28656-I-3
Data File Name : c:\peaknet\data\20101020\D5901_035.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:22:16 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 35

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE m CHLORIDE m	2.87	0.6073	187724	8879
3	NITRITE co BROMIDE m	4.37	219.1169	115203071	6819237
4	NITRATE OrthophosP	5.97	1.2437	699726	14495
5	SULFATE	9.67	8.5982	1592276	67362



wrong nitrate peak - see next page for correction
CRB 10/22/10

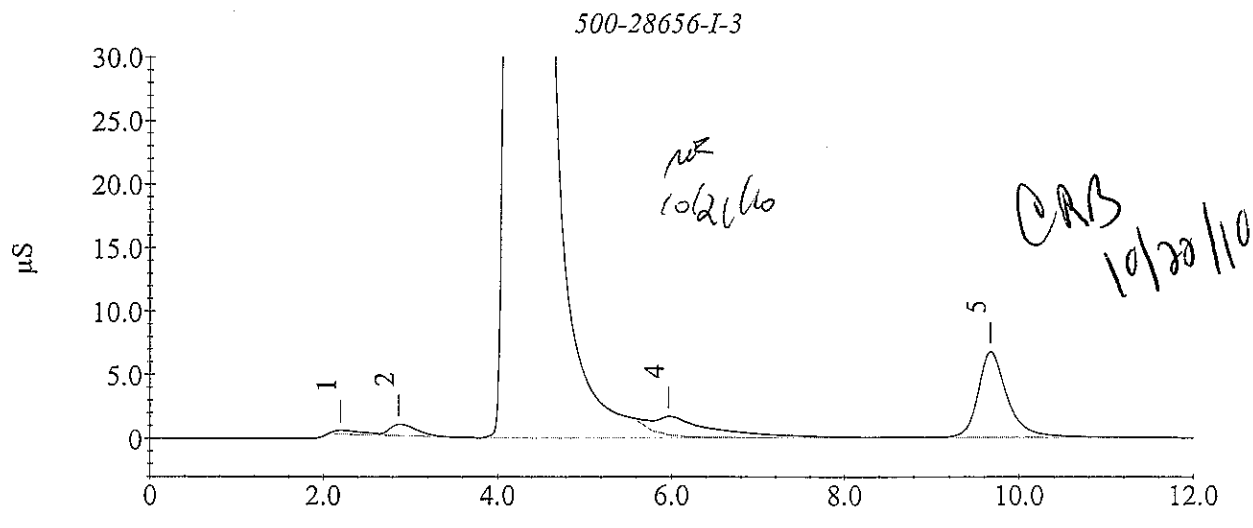
Sample Analysis Report

Sample Name : 500-28656-I-3
Data File Name : C:\PEAKNET\DATA\20101020\D5901_035.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:22:16 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 35

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE m	2.87	0.6073	187724	8879
	CHLORIDE on				
3	NITRITE CE	4.37	219.1169	115203071	6819237
4	BROMIDE m	5.97	6.6234	699726	14495
	NITRATE				
	OrthophosP m				
5	SULFATE	9.67	8.5982	1592276	67362



Sample Analysis Report

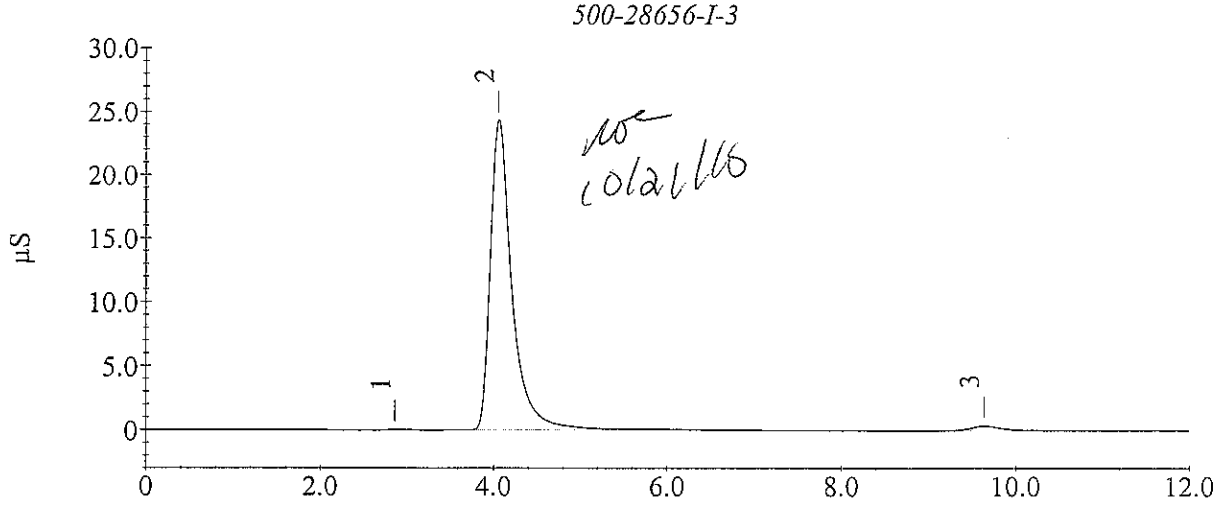
Sample Name : 500-28656-I-3
Data File Name : c:\peaknet\data\20101020\D5901_036.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:36:35 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 36

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	-0.0717	10729	628
2	CHLORIDE	4.05	357.8601	4171094	242708
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.63	6.0736	85202	3577

500-28656-I-3



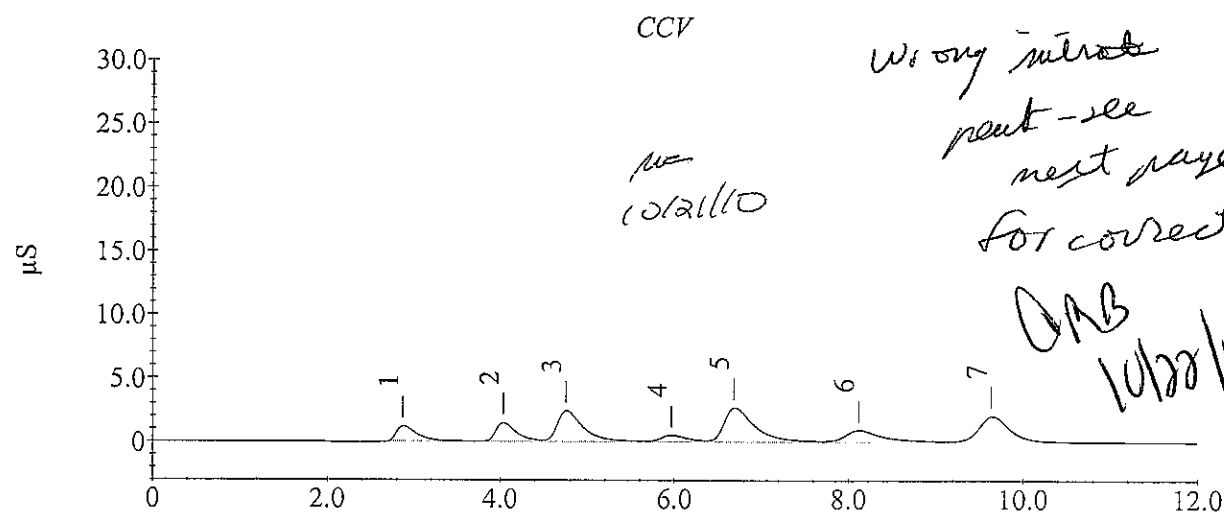
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_037.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:50:54 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 37

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	0.6383	196691	11771
2	CHLORIDE	4.03	1.1400	242191	14621
3	NITRITE BROMIDE	4.75	1.0442	499189	24130
4	NITRATE	5.97	0.2548	108414	5176
6	OrthophosP	8.12	0.6698	287303	9222
7	SULFATE	9.63	2.6433	510301	20195



Wrong nitrate peak - see next page for correction
OAB 10/22/10
10/21/10

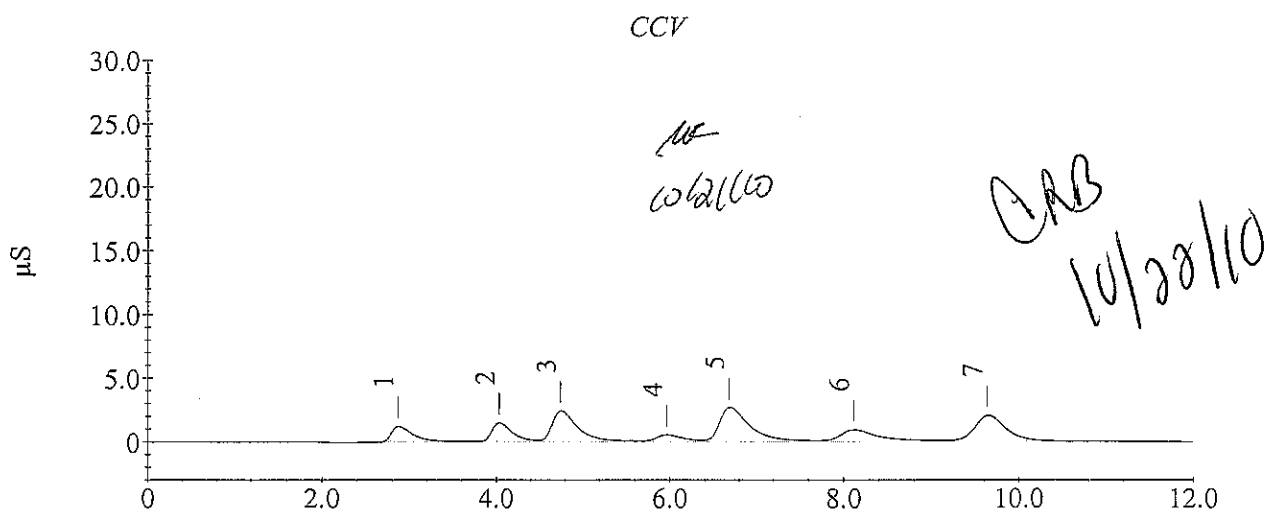
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101020\D5901_037.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 7:50:54 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 37

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	0.6383	196691	11771
2	CHLORIDE	4.03	1.1400	242191	14621
3	NITRITE	4.75	1.0442	499189	24130
4	BROMIDE	5.97	1.1383	108414	5176
5	NITRATE	6.68	1.1806	662015	26613
6	OrthophosP	8.12	0.6698	287303	9222
7	SULFATE	9.63	2.6433	510301	20195



10/21/10

CRB 10/28/10

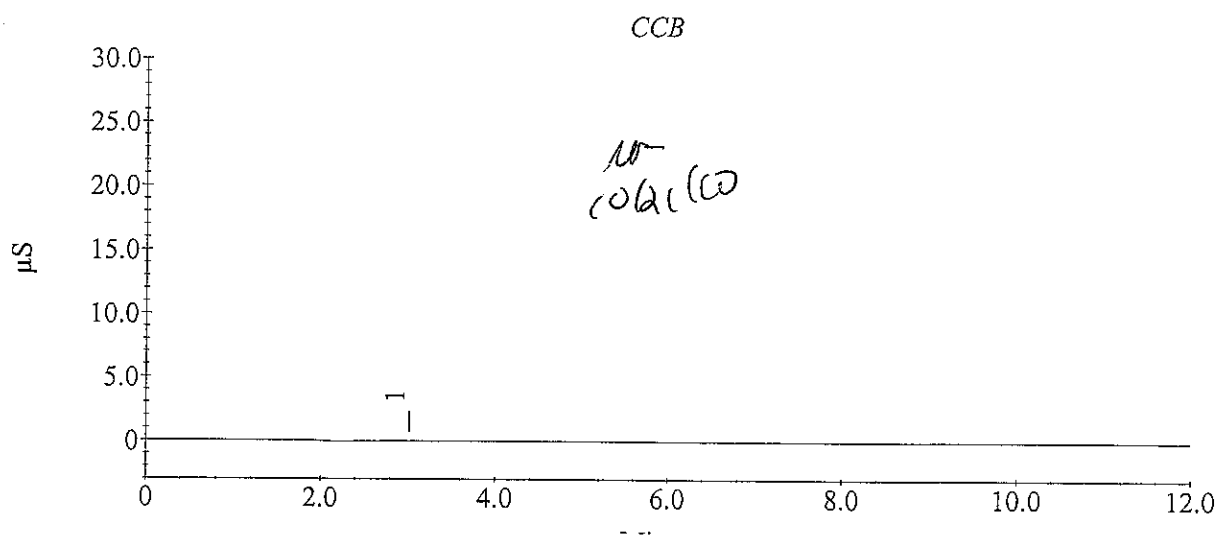
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_038.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 8:05:13 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 38

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



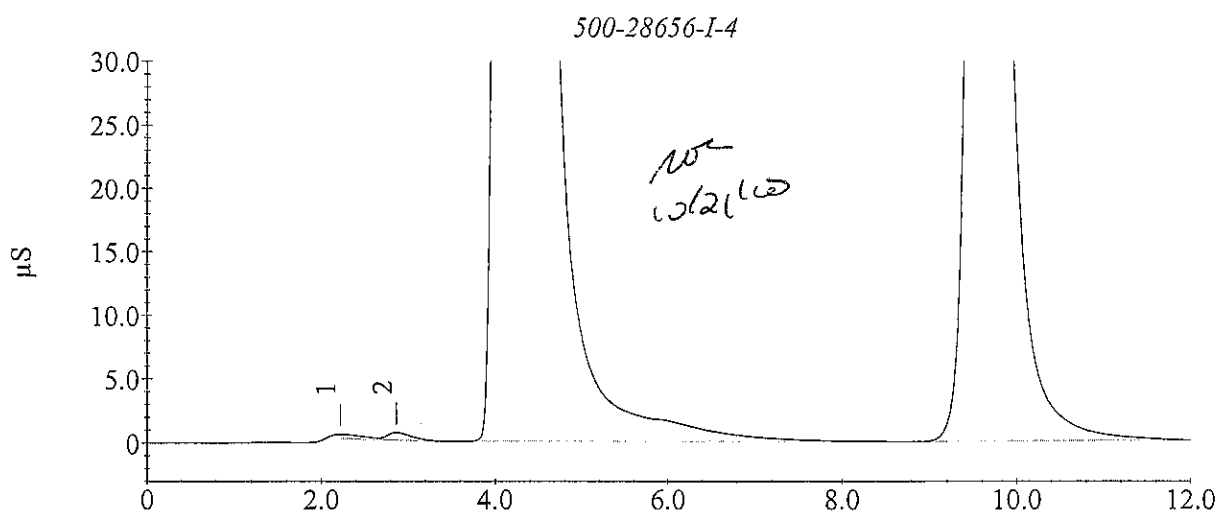
Sample Analysis Report

Sample Name : 500-28656-I-4
Data File Name : c:\peaknet\data\20101020\D5901_039.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 8:19:32 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 39

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE	2.87	0.3570	115194	5811
3	NITRITE BROMIDE NITRATE OrthophosP	4.38	350.1197	184109202	8446052
4	SULFATE	9.58	204.1050	37115064	1506606



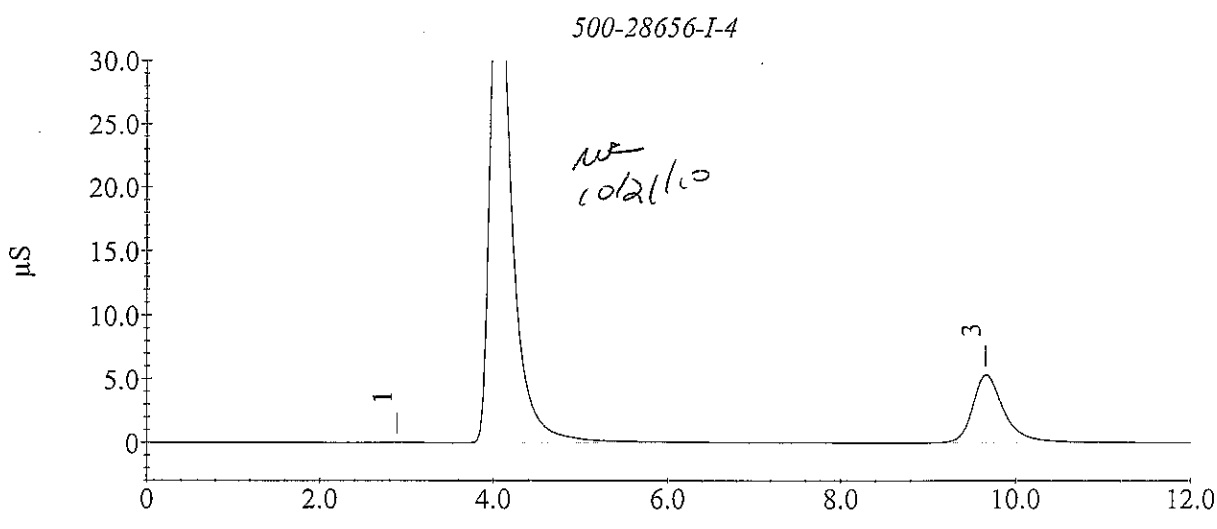
Sample Analysis Report

Sample Name : 500-28656-I-4
Data File Name : c:\peaknet\data\20101020\D5901_040.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 8:33:50 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 40

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.88	-0.2875	7603	434
2	CHLORIDE	4.05	591.6694	6912729	398685
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.65	144.8243	1345723	53297



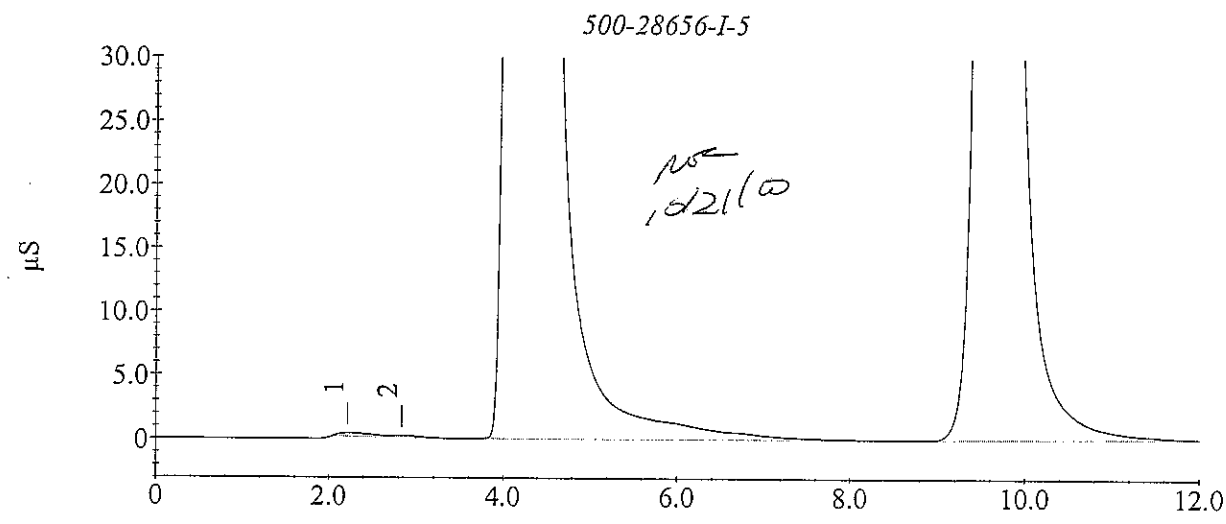
Sample Analysis Report

Sample Name : 500-28656-I-5
Data File Name : c:\peaknet\data\20101020\D5901_041.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 8:48:09 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 41

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE	2.83	0.0613	29519	1446
3	NITRITE BROMIDE NITRATE OrthophosP	4.35	273.5226	143819892	7395150
4	SULFATE	9.57	232.1267	42206493	1696777



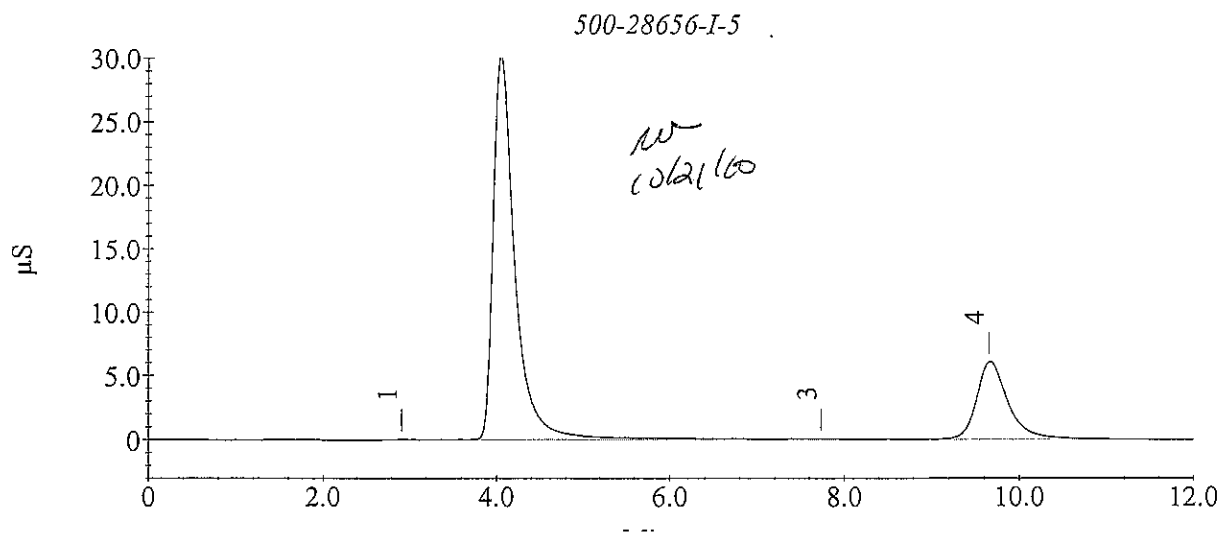
Sample Analysis Report

Sample Name : 500-28656-I-5
Data File Name : c:\peaknet\data\20101020\D5901_042.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:02:28 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 42

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.92	-0.5703	3506	157
2	CHLORIDE	4.05	453.6501	5294322	301761
	NITRITE				
	BROMIDE				
	NITRATE				
3	OrthophosP	7.73	-2.5032	37534	634
4	SULFATE	9.65	163.7096	1517292	60344



Sample Analysis Report

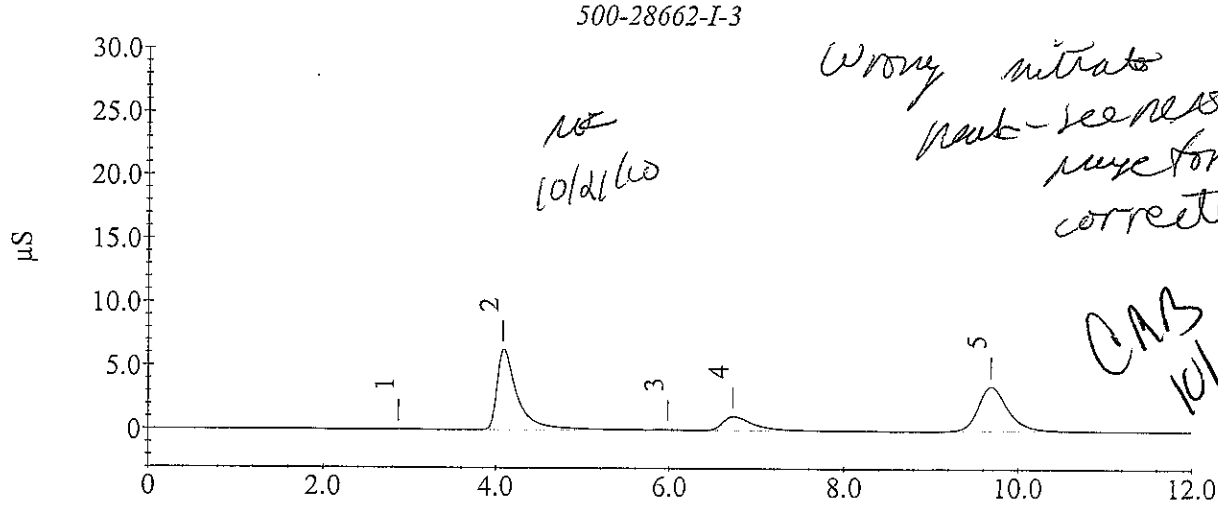
Sample Name : 500-28662-I-3
Data File Name : c:\peaknet\data\20101020\D5901_043.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:16:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 43

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	0.0058	13436	468
2	CHLORIDE	4.08	4.6550	1066540	62703
	NITRITE				
	BROMIDE				
3	NITRATE	5.98	0.0978	14576	570
	OrthophosP				
5	SULFATE	9.68	4.5694	860273	35166

500-28662-I-3



Wrong nitrate peak - see next injection for correction

CAB 10/22/10

Sample Analysis Report

Sample Name : 500-28662-I-3
Data File Name : C:\PEAKNET\DATA\20101020\D5901_043.DXD

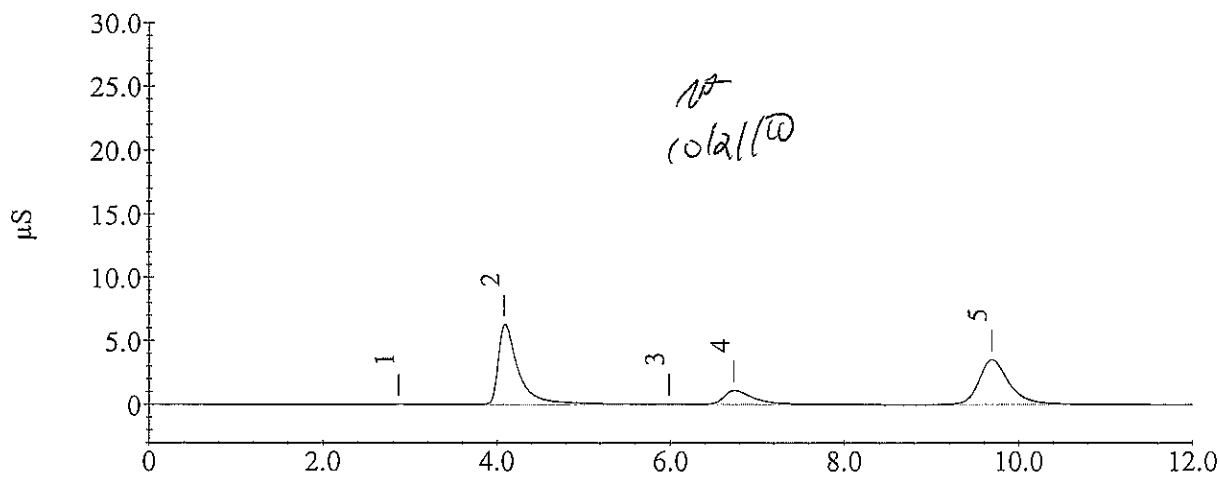
Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:16:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 43

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.87	0.0058	13436	468
2	CHLORIDE	4.08	4.6550	1066540	62703
	NITRITE				
3	BROMIDE	5.98	0.2679	14576	570
4	NITRATE	6.73	0.5303	273160	11014
	OrthophosP				
5	SULFATE	9.68	4.5694	860273	35166

10/21/10

500-28662-I-3



10/21/10

Sample Analysis Report

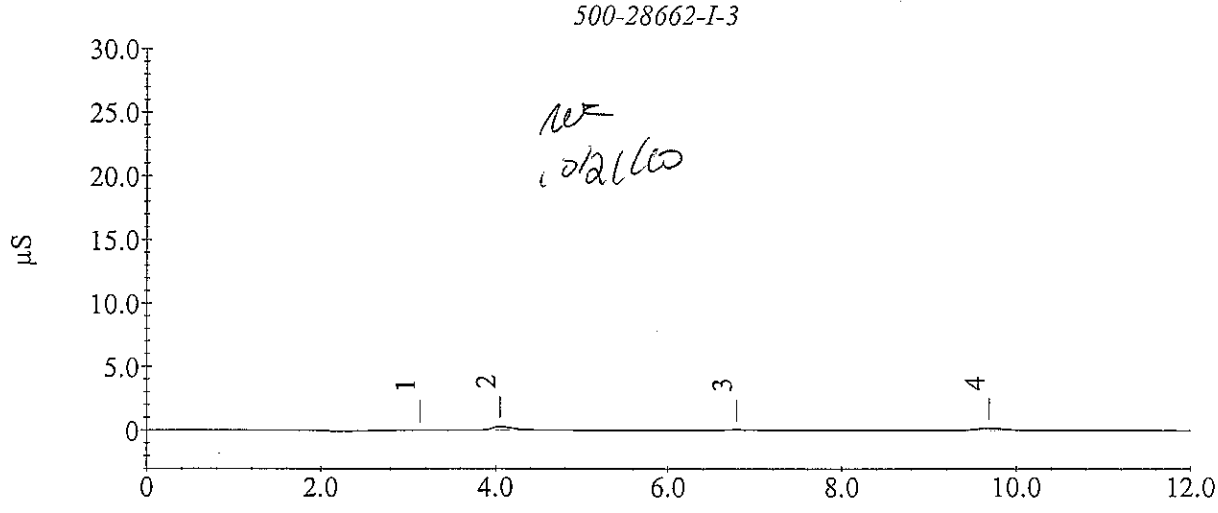
Sample Name : 500-28662-I-3
Data File Name : c:\peaknet\data\20101020\D5901_044.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:31:06 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 44

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.05	6.1045	46428	2683
	NITRITE				
	BROMIDE				
3	NITRATE	6.78	2.0271	16695	635
	OrthophosP				
4	SULFATE	9.68	1.2839	41688	1691

500-28662-I-3



Sample Analysis Report

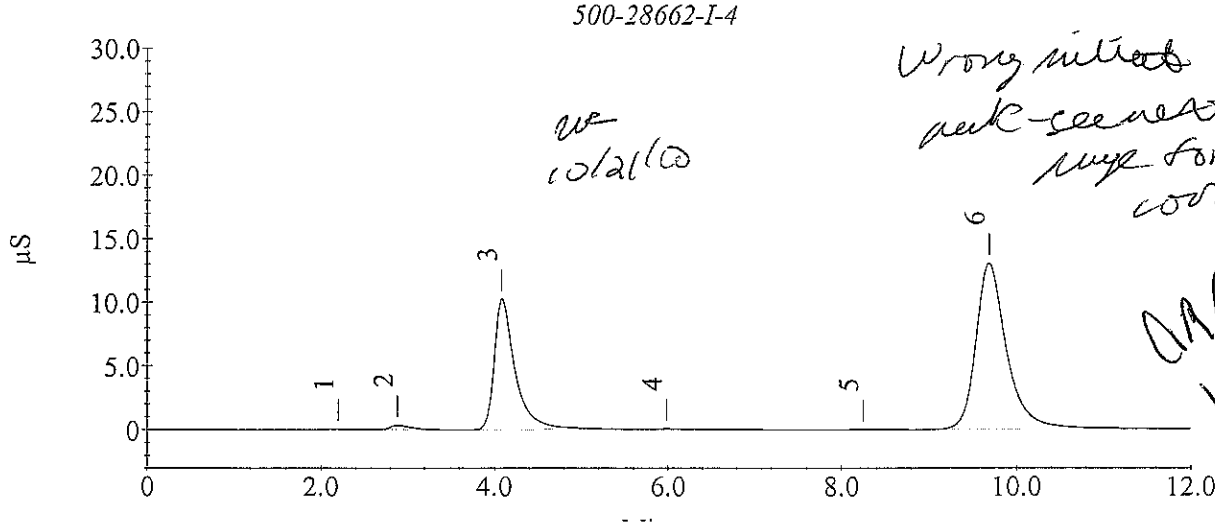
Sample Name : 500-28662-I-4
Data File Name : c:\peaknet\data\20101020\D5901_045.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:45:25 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 45

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.88	0.1540	56371	3401
3	CHLORIDE	4.08	7.4627	1724985	102271
	NITRITE				
	BROMIDE				
4	NITRATE	5.98	0.0949	12832	556
5	OrthophosP	8.25	-0.2337	3430	106
6	SULFATE	9.68	17.4424	3199241	130327

500-28662-I-4



Wrong initial peak-see next page for correction
ve 10/21/10
DAB 10/28/10

Sample Analysis Report

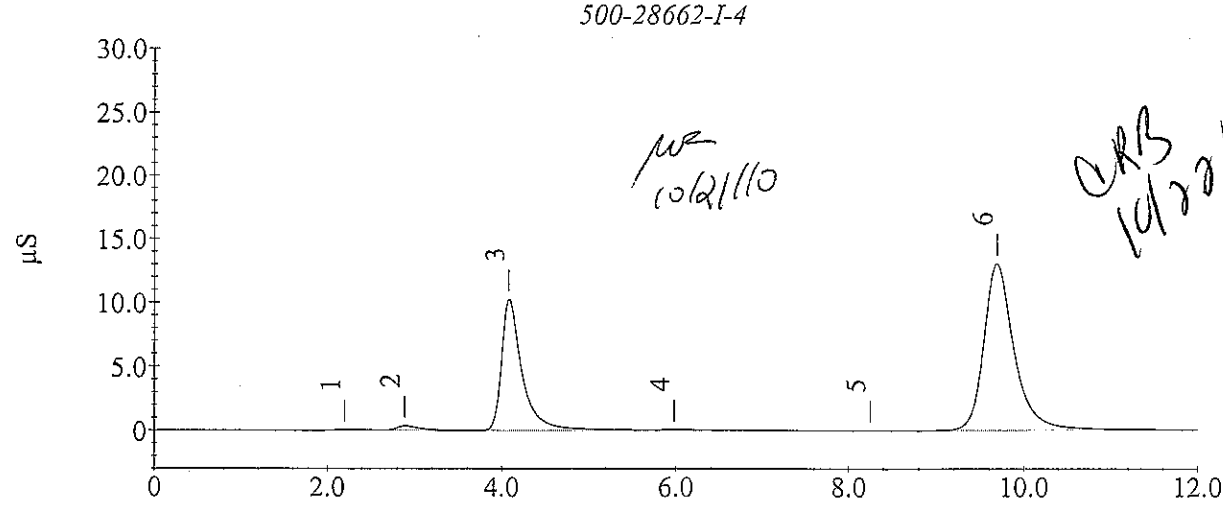
Sample Name : 500-28662-I-4
Data File Name : C:\PEAKNET\DATA\20101020\D5901_045.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:45:25 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 45

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.88	0.1540	56371	3401
3	CHLORIDE	4.08	7.4627	1724985	102271
	NITRITE				
4	BROMIDE	5.98	0.2517	12832	556
	NITRATE				
5	OrthophosP	8.25	-0.2337	3430	106
6	SULFATE	9.68	17.4424	3199241	130327

500-28662-I-4



10/21/10

10/28/10

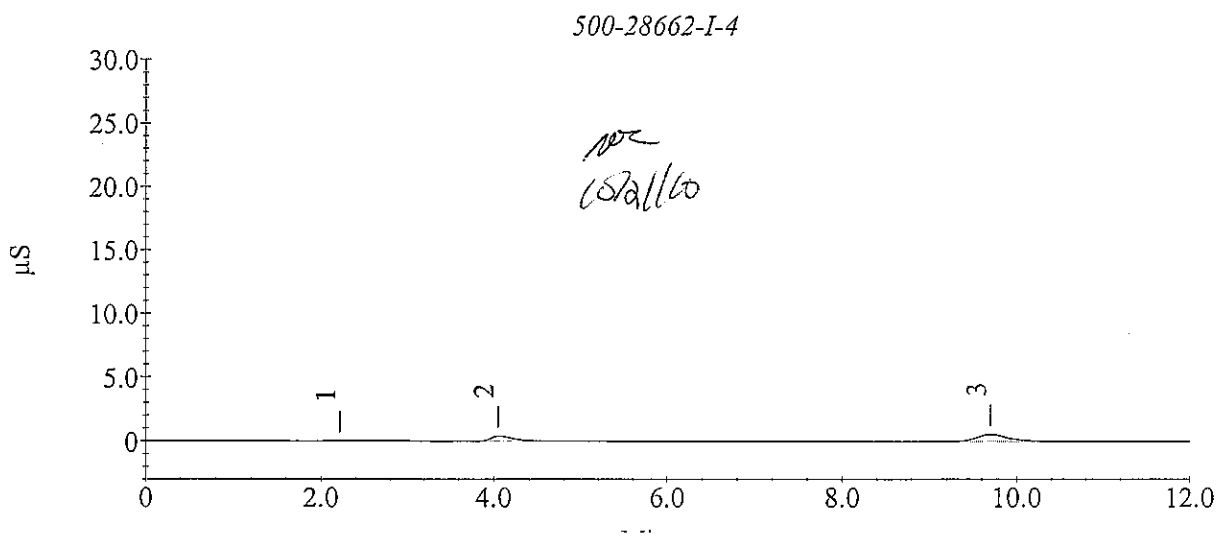
Sample Analysis Report

Sample Name : 500-28662-I-4
Data File Name : c:\peaknet\data\20101020\D5901_046.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 9:59:44 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 46

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.05	8.5306	74876	4147
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.70	11.7349	136633	5447



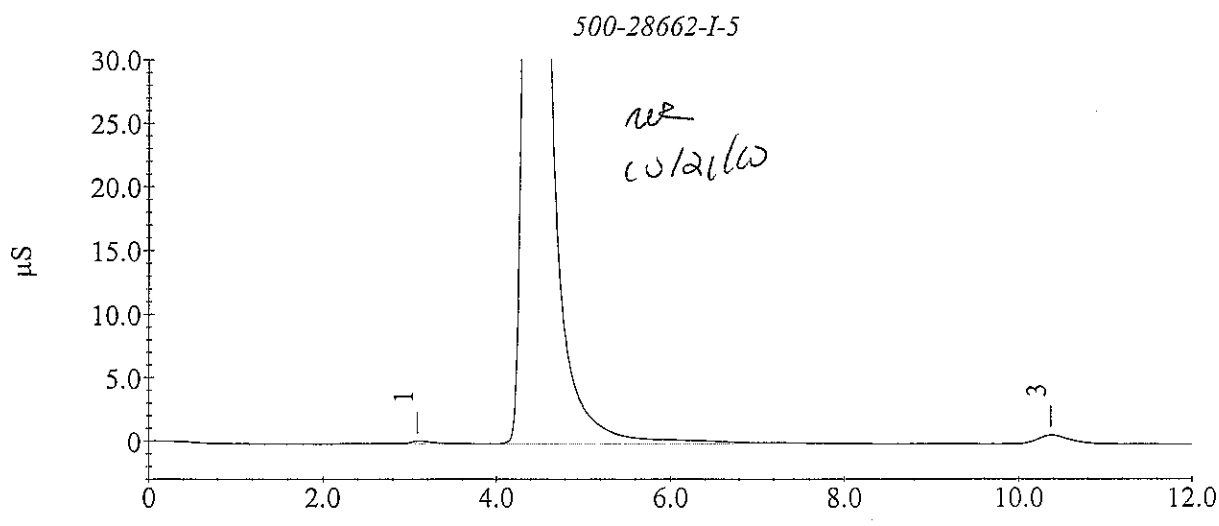
Sample Analysis Report

Sample Name : 500-28662-I-5
Data File Name : c:\peaknet\data\20101020\D5901_047.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 10:14:02 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 47

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE NITRITE BROMIDE NITRATE OrthophosP SULFATE	4.43	39.6440	20802247	1335133



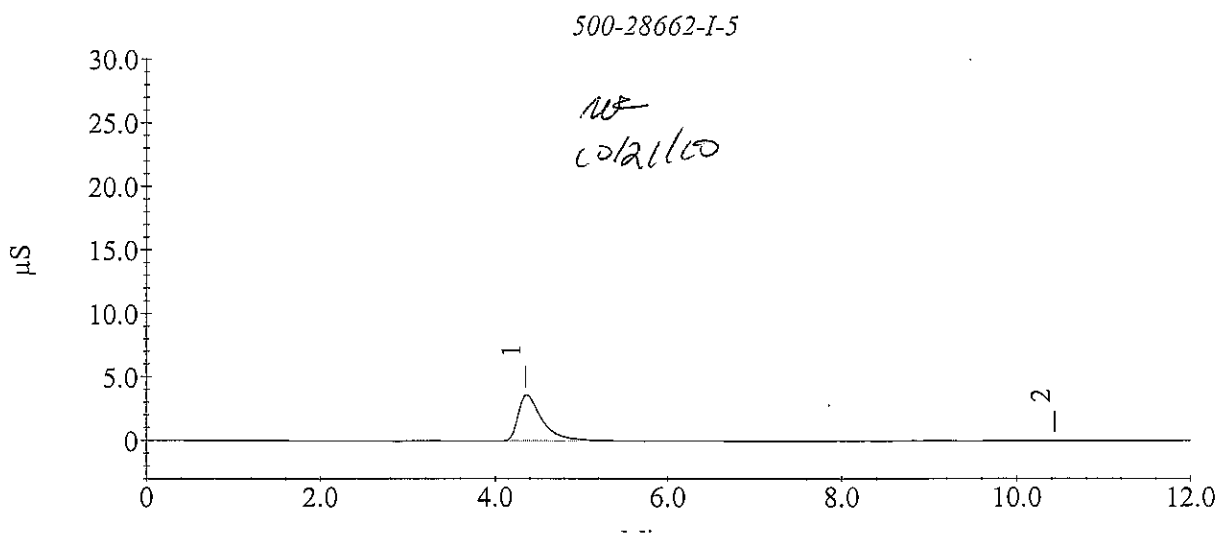
Sample Analysis Report

Sample Name : 500-28662-I-5
Data File Name : c:\peaknet\data\20101020\D5901_048.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 10:28:21 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 48

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE fu CHLORIDE no NITRITE m BROMIDE m NITRATE no OrthophosP m SULFATE no	4.35	28.0605	687903	35751



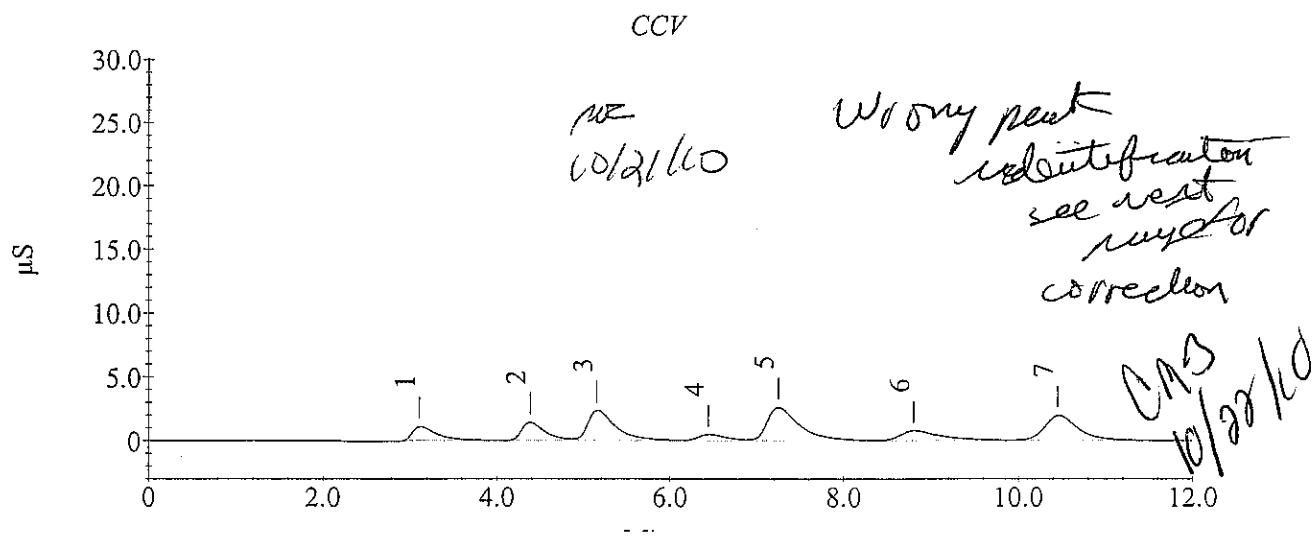
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_049.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 10:42:40 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 49

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.38	0.5922	261416	14303
	BROMIDE				
4	NITRATE	6.45	0.2556	108941	4894
5	OrthophosP	7.25	1.9361	685205	26108
6	SULFATE	8.82	1.2446	256164	7912



PE 10/21/10

Wrong peak identification see next run for correction

CAB 10/22/10

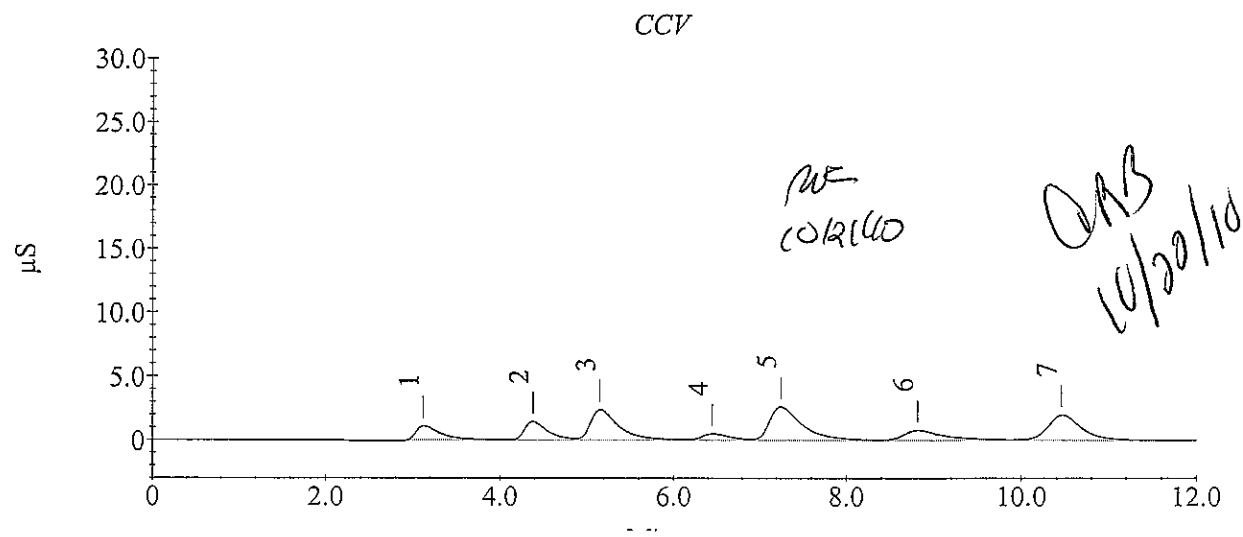
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101020\D5901_049.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 10:42:40 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 49

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.12	0.6753	207408	10878
2	CHLORIDE	4.38	1.2219	261416	14303
3	NITRITE	5.15	1.1120	534842	23663
4	BROMIDE	6.45	1.1432	108941	4894
5	NITRATE	7.25	1.2194	685205	26108
6	OrthophosP	8.82	0.5707	256164	7912
7	SULFATE	10.45	2.8144	541385	19741



PF 10/21/10

OAB 10/20/10

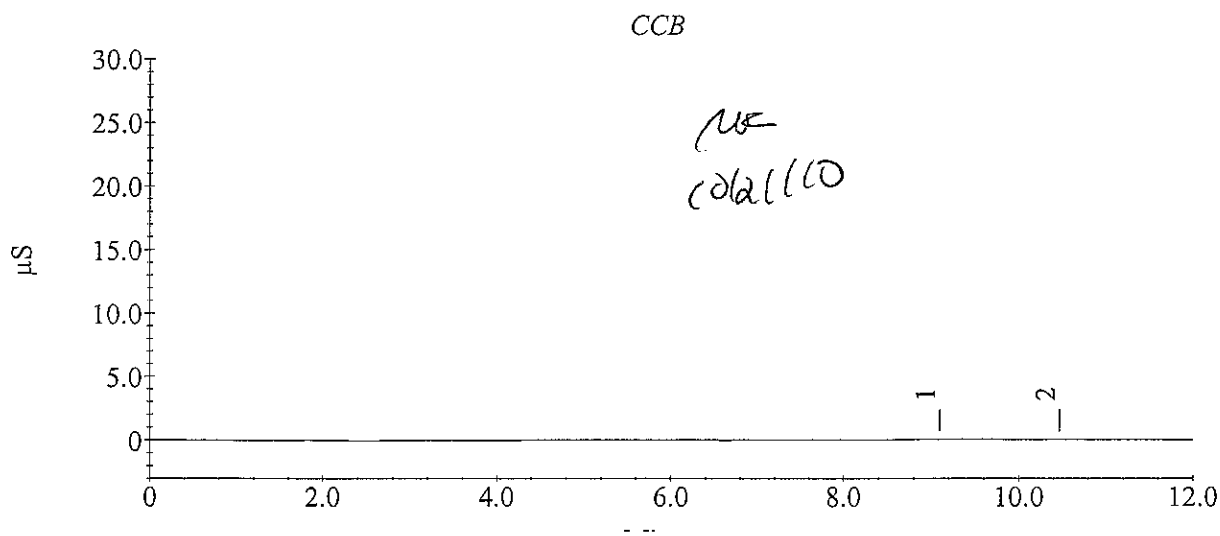
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_050.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/20/10 10:56:59 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 50

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



NE
10/21/10

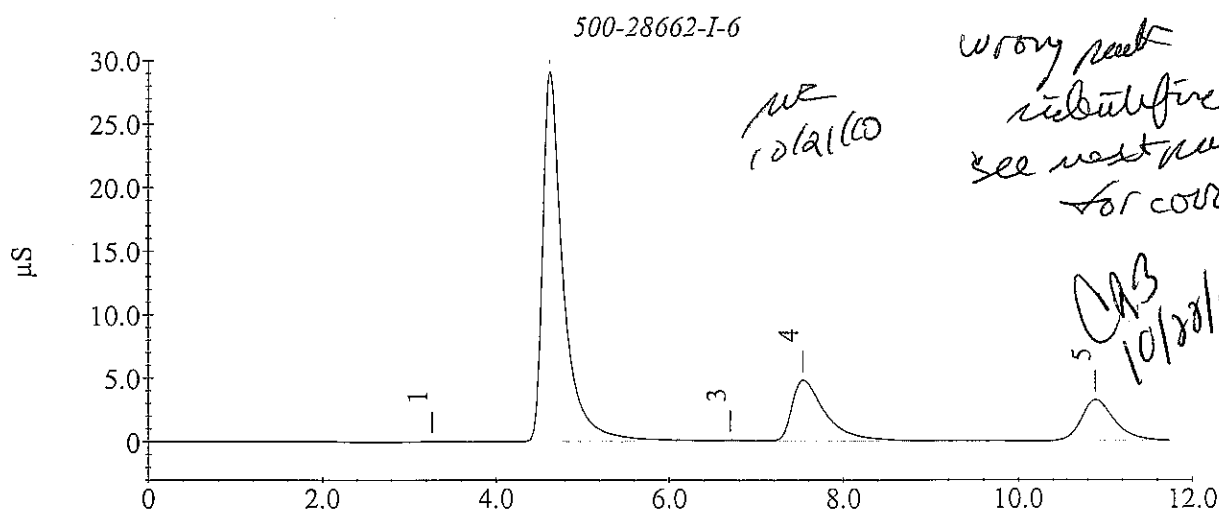
Sample Analysis Report

Sample Name : 500-28662-I-6
Data File Name : c:\peaknet\data\20101020\D5901_A051.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 6:34:36 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 51

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.62	9.3911	4889523	290787
	BROMIDE				
3	NITRATE	6.70	0.1186	27034	942
4	OrthophosP	7.53	3.9376	1314081	47972
	SULFATE				



ME 10/21/10

wrong peak identification see next page for correction

CAB 10/28/10

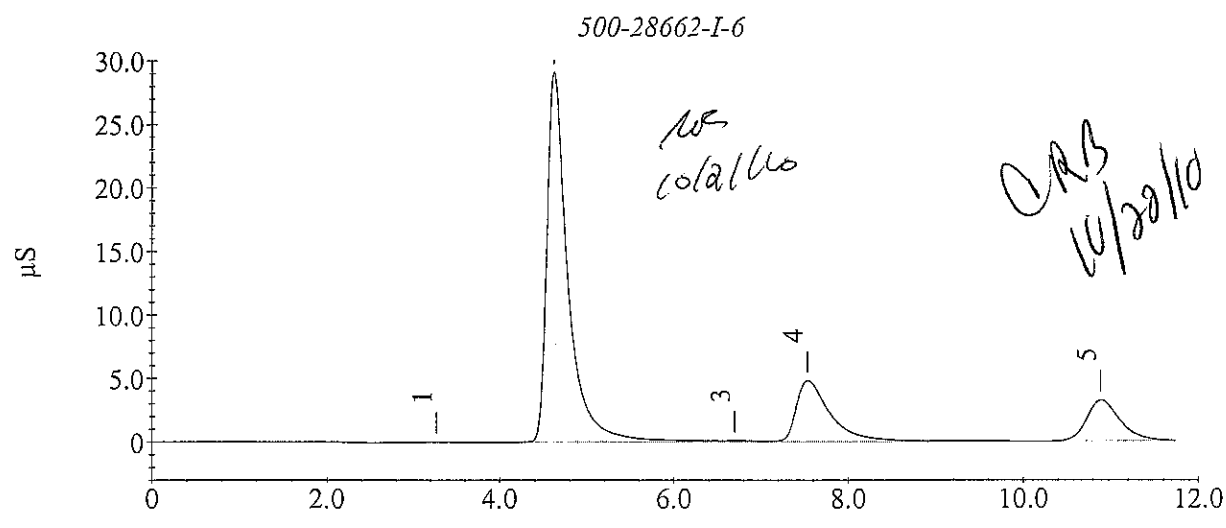
Sample Analysis Report

Sample Name : 500-28662-I-6
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A051.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 6:34:36 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 51

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.62	20.9564	4889523	290787
	NITRITE				
	BROMIDE				
4	NITRATE	7.53	2.2712	1314081	47972
	OrthophosP				
5	SULFATE	10.88	4.4893	845709	32142



Sample Analysis Report

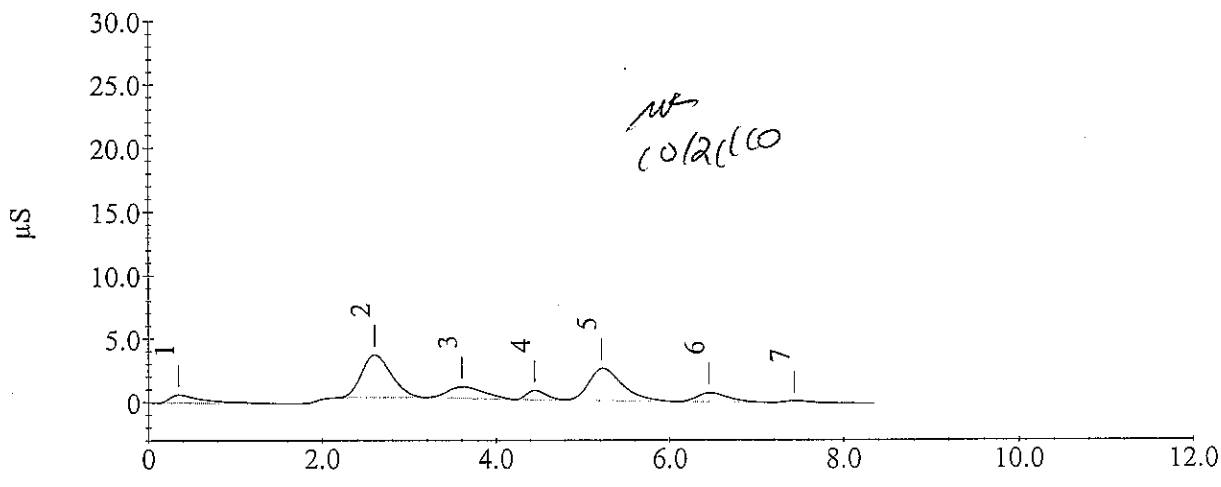
Sample Name : 500-28662-I-6
Data File Name : c:\peaknet\data\20101020\D5901_A052.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:04:07 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 52

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.60	53.4366	785847	33610
3	CHLORIDE	3.60	24.6174	263509	9028
4	NITRITE	4.45	6.3464	116833	7436
	BROMIDE				
6	NITRATE	6.45	7.5126	180690	7175
7	OrthophosP	7.43	-2.6464	35285	1572
	SULFATE				

500-28662-I-6



10/21/10

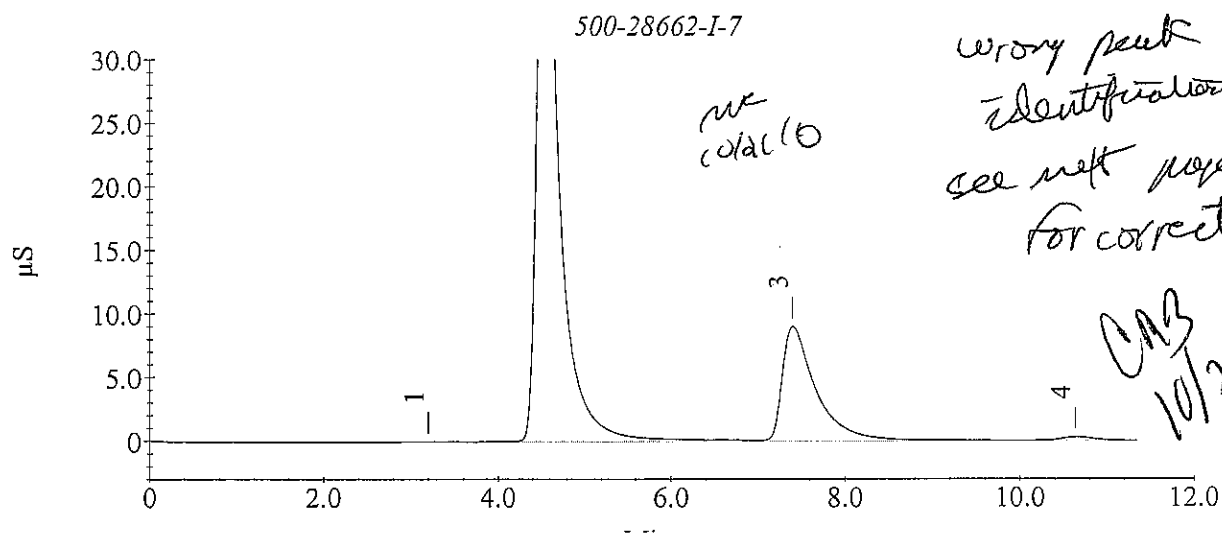
Sample Analysis Report

Sample Name : 500-28662-I-7
Data File Name : c:\peaknet\data\20101020\D5901_A053.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:14:52 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 53

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.53	17.0619	8924320	530472
	BROMIDE				
	NITRATE				
3	OrthophosP	7.40	7.6398	2477321	90157
	SULFATE				



wrong peak identification see next page for correction
CAB 10/28/10

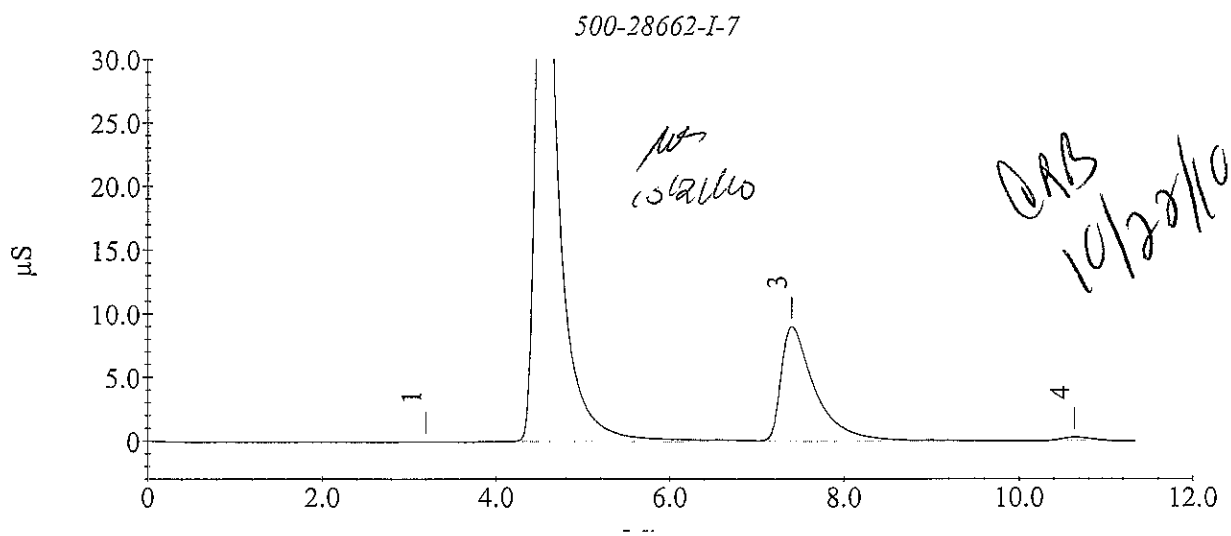
Sample Analysis Report

Sample Name : 500-28662-I-7
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A053.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:14:52 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 53

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.53	38.1610	8924320	530472
	NITRITE				
	BROMIDE				
3	NITRATE	7.40	4.2167	2477321	90157
	OrthophosP				
4	SULFATE	10.63	0.2676	78655	2928



Sample Analysis Report

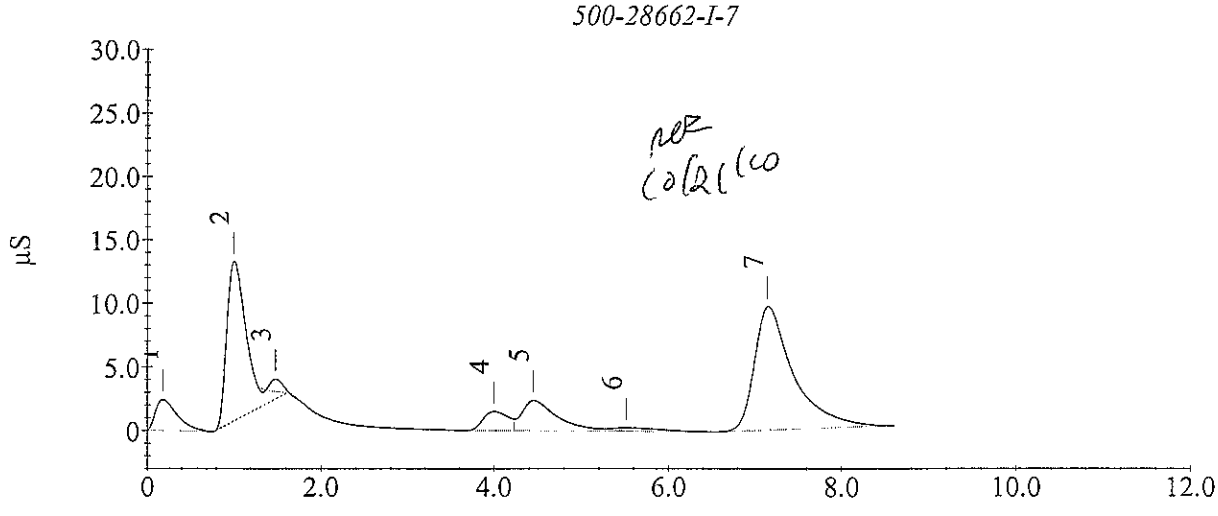
Sample Name : 500-28662-I-7
Data File Name : c:\peaknet\data\20101020\D5901_A054.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:33:19 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 54

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
4	CHLORIDE	4.00	27.7089	299760	15002
5	NITRITE	4.45	27.1170	663090	23803
6	BROMIDE	5.52	19.9854	93425	2308
	NITRATE				
7	OrthophosP	7.15	187.4563	3021856	96470
	SULFATE				

500-28662-I-7



Sample Analysis Report

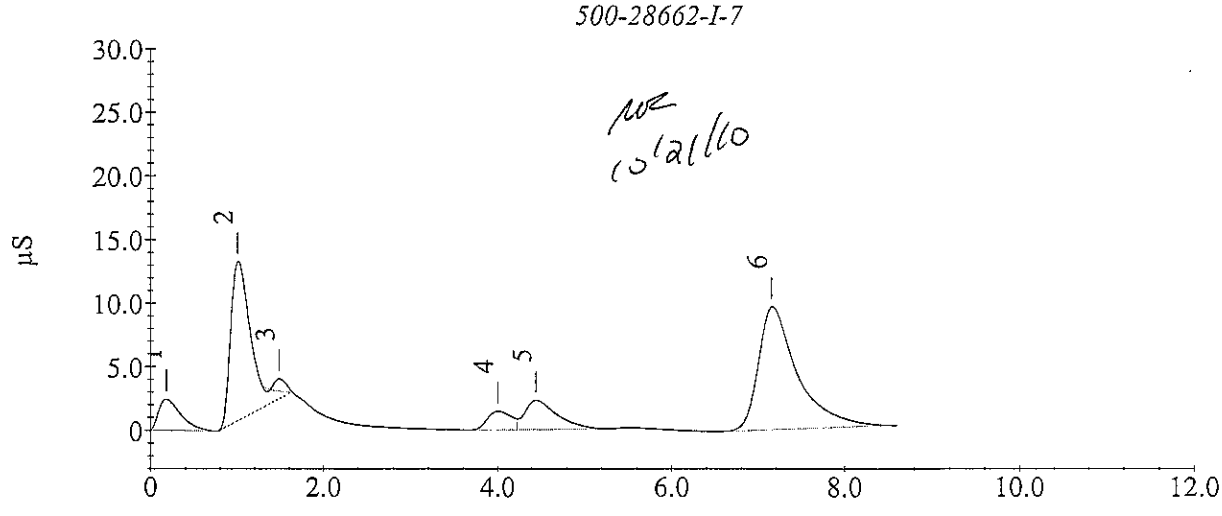
Sample Name : 500-28662-I-7
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A054.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:33:19 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 54

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
5	CHLORIDE	4.45	51.6364	580332	22948
	NITRITE				
	BROMIDE				
6	NITRATE	7.15	102.5481	3021856	96470
	OrthophosP				
	SULFATE				

500-28662-I-7



10/21/10

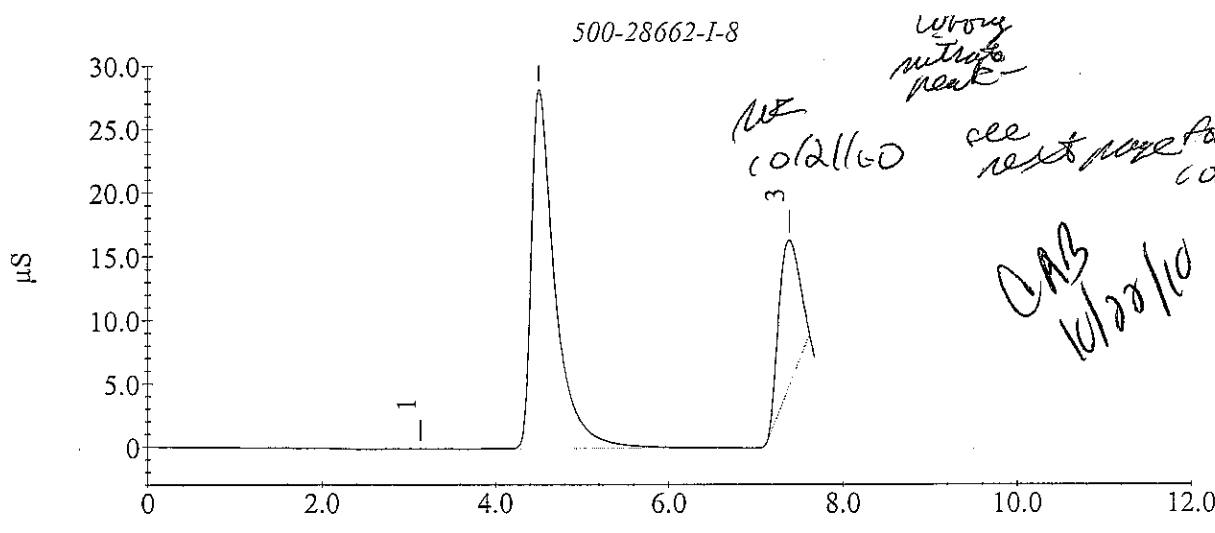
Sample Analysis Report

Sample Name : 500-28662-I-8
Data File Name : c:\peaknet\data\20101020\D5901_A055.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:44:19 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 55

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.50	10.3427	5390053	282238
	BROMIDE				
	NITRATE				
3	OrthophosP	7.38	5.7381	1879793	114137
	SULFATE				



wrong nitrate peak
10/21/10
see next page for correction
CAB 10/22/10

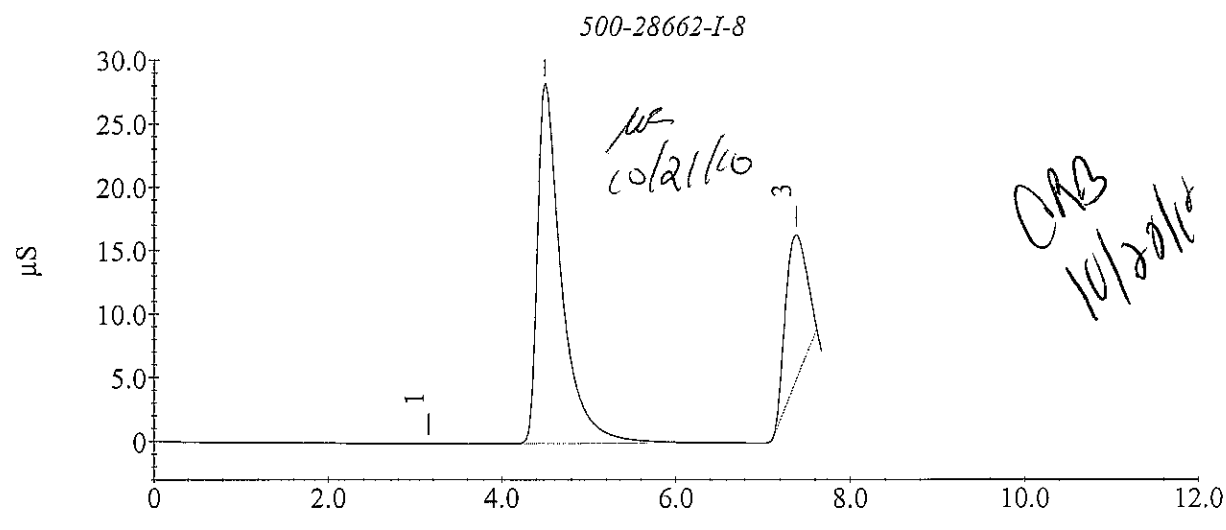
Sample Analysis Report

Sample Name : 500-28662-I-8
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A055.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:44:19 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 55

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE MC CHLORIDE OK NITRITE MC	4.50	23.0907	5390053	282238
3	BROMIDE MC NITRATE OK OrthophosP MC SULFATE MC	7.38	3.2173	1879793	114137



Sample Analysis Report

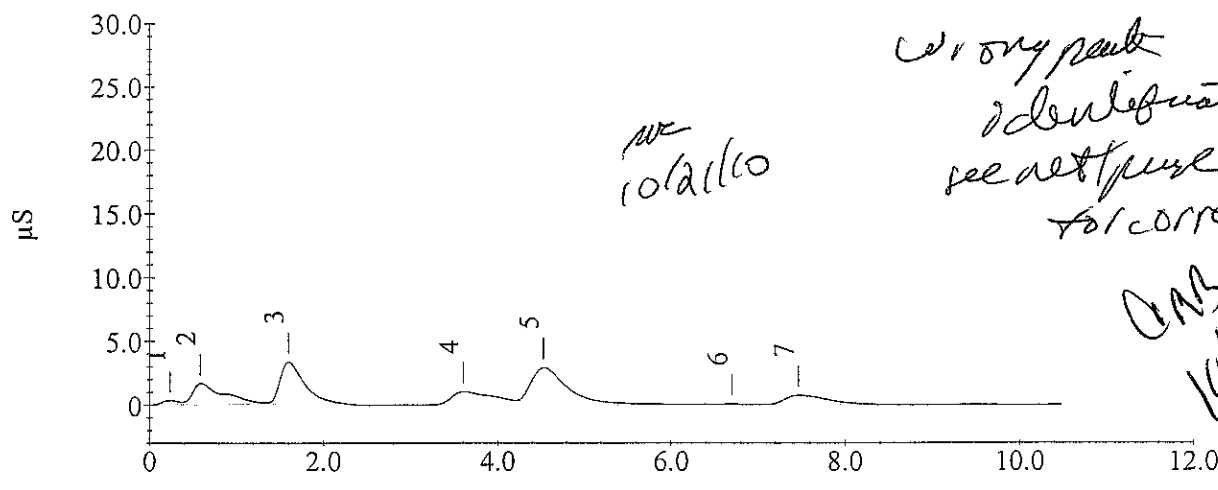
Sample Name : 500-28662-I-8
Data File Name : c:\peaknet\data\20101020\D5901_A056.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:59:22 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 56

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
4	CHLORIDE	3.60	33.0135	361961	10487
5	NITRITE	4.53	36.7006	915133	29346
	BROMIDE				
6	NITRATE	6.70	2.1151	19326	600
7	OrthophosP	7.47	11.5982	259071	7412
	SULFATE				

500-28662-I-8



wrong peak identification see net/pure for correction
CAB 10/28/10

pw 10/21/10

Sample Analysis Report

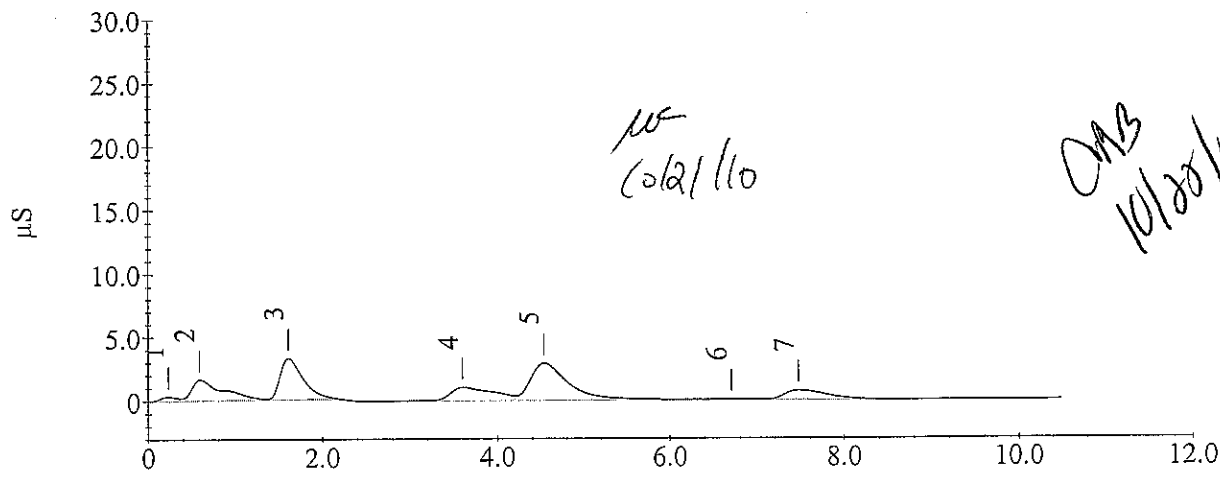
Sample Name : 500-28662-I-8
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A056.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 7:59:22 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 56

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
5	CHLORIDE	4.53	80.1885	915133	29346
	NITRITE				
6	BROMIDE	6.70	6.2384	19326	600
7	NITRATE	7.47	10.1345	259071	7412
	OrthophosP				
	SULFATE				

500-28662-I-8



10/21/10

10/28/10

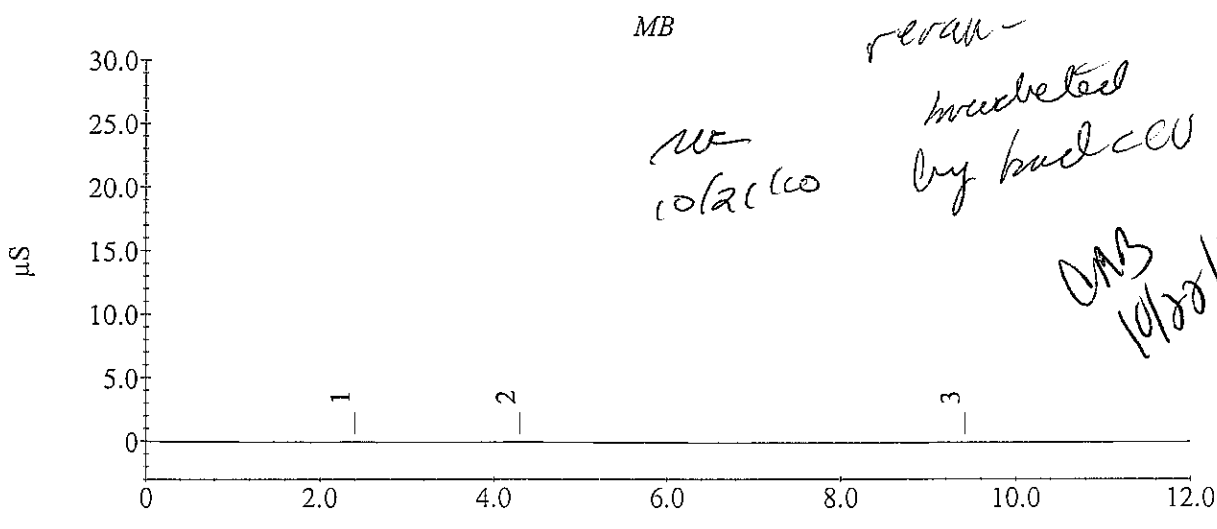
Sample Analysis Report

Sample Name : MB
Data File Name : c:\peaknet\data\20101020\D5901_A057.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 8:21:57 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 57

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.30	0.1170	11492	308
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.42	-0.1533	2161	102



rerun - incubated by bad CCV
10/21/10
DMB 10/28/10

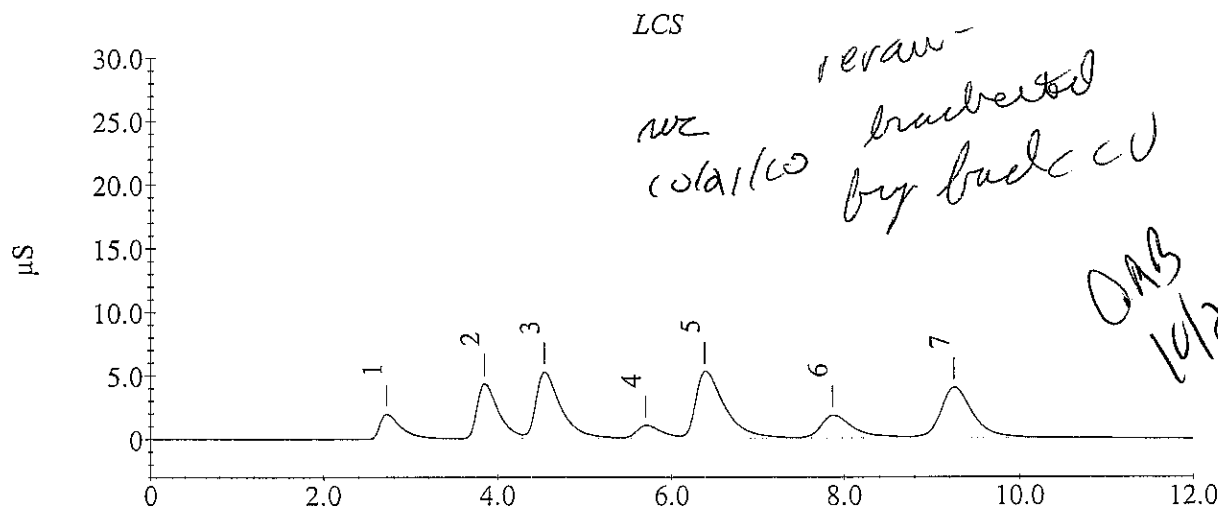
Sample Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\20101020\D5901_A058.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 8:36:16 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 58

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.72	1.0640	320028	19151
2	CHLORIDE	3.85	3.2017	725713	43065
3	NITRITE	4.53	2.0694	1038415	52104
4	BROMIDE	5.70	2.0268	204191	10146
5	NITRATE	6.38	2.1449	1238544	52702
6	OrthophosP	7.87	1.2450	468046	17911
7	SULFATE	9.25	5.2910	991370	39725



rerun - bracketed by bad CV
WC 10/21/10
ORB 10/28/10

Sample Analysis Report

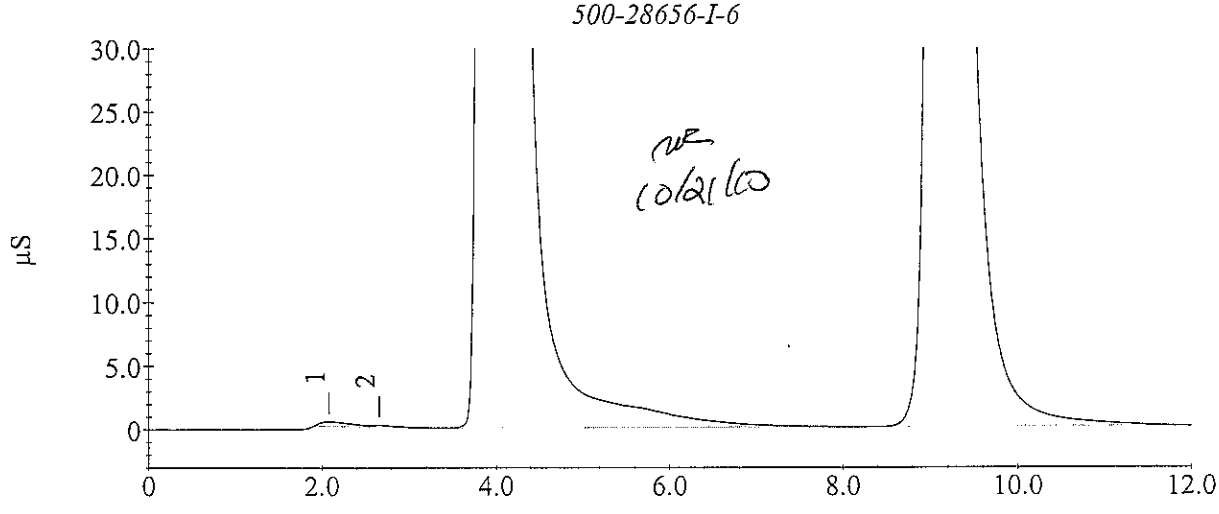
Sample Name : 500-28656-I-6
Data File Name : c:\peaknet\data\20101020\D5901_A059.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 8:50:35 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 59

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	0.0478	25618	1345
3	CHLORIDE	4.13	590.9567	138565339	7347747
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.13	223.0603	40559164	1617502

500-28656-I-6



Sample Analysis Report

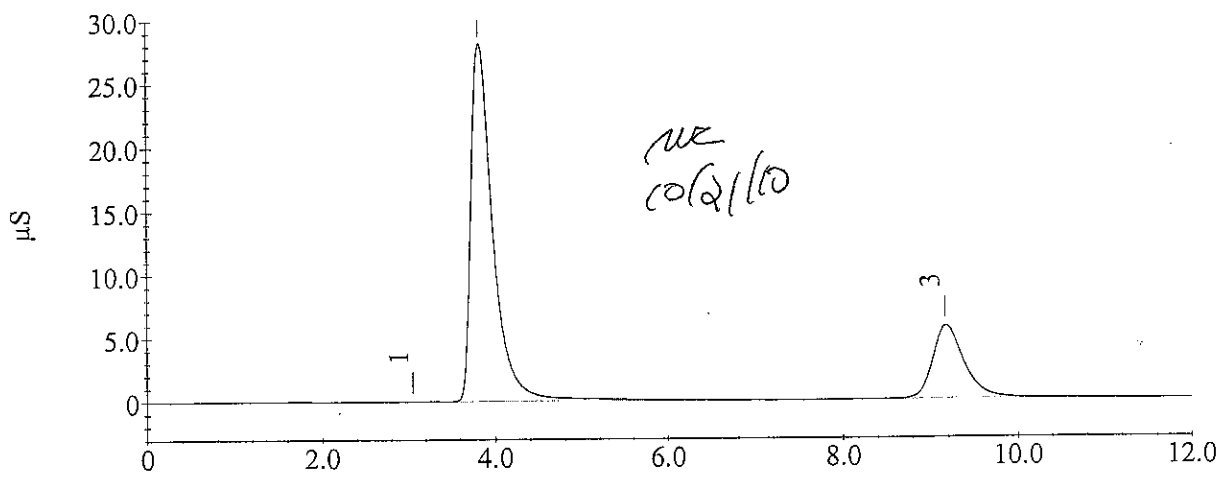
Sample Name : 500-28656-I-6
Data File Name : c:\peaknet\data\20101020\D5901_A060.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 9:04:54 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 60

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE nc CHLORIDE nc NITRITE BROMIDE nc NITRATE no OrthophosP nc	3.82	420.2829	4903060	280173
3	SULFATE no	9.17	151.0055	1401878	57332

500-28656-I-6



nc
10/21/10

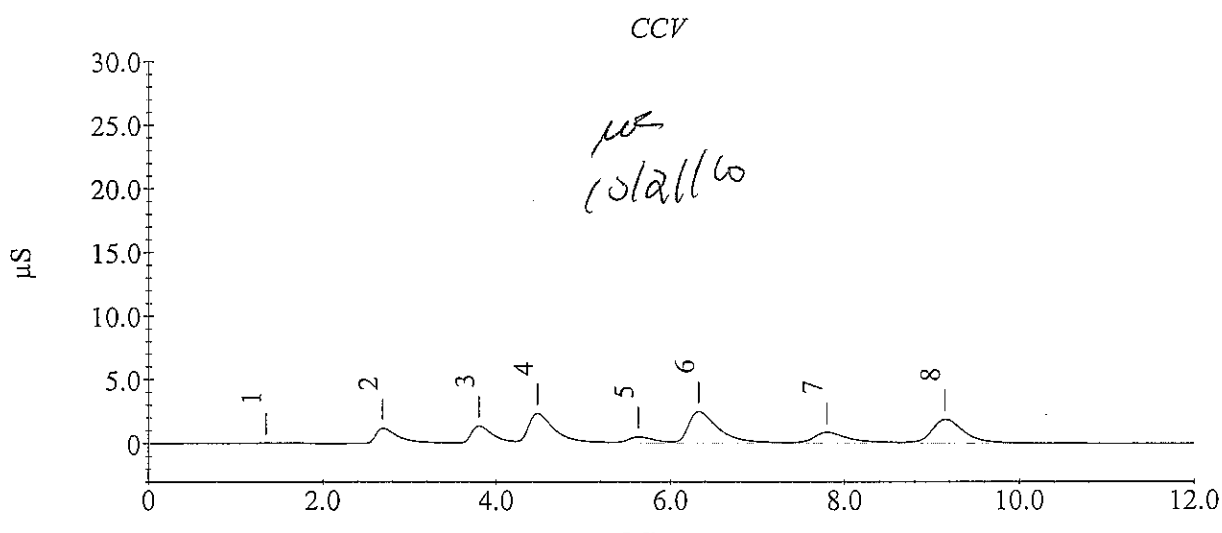
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_A061.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 9:19:12 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 61

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.68	0.6587	202610	11435
3	CHLORIDE	3.80	1.0789	227862	13244
4	NITRITE	4.48	1.0236	488305	23187
5	BROMIDE	5.63	1.0987	104148	4939
6	NITRATE	6.33	1.0842	604370	24714
7	OrthophosP	7.80	0.5450	248112	8528
8	SULFATE	9.15	2.4361	472662	18489



µS
10/21/10

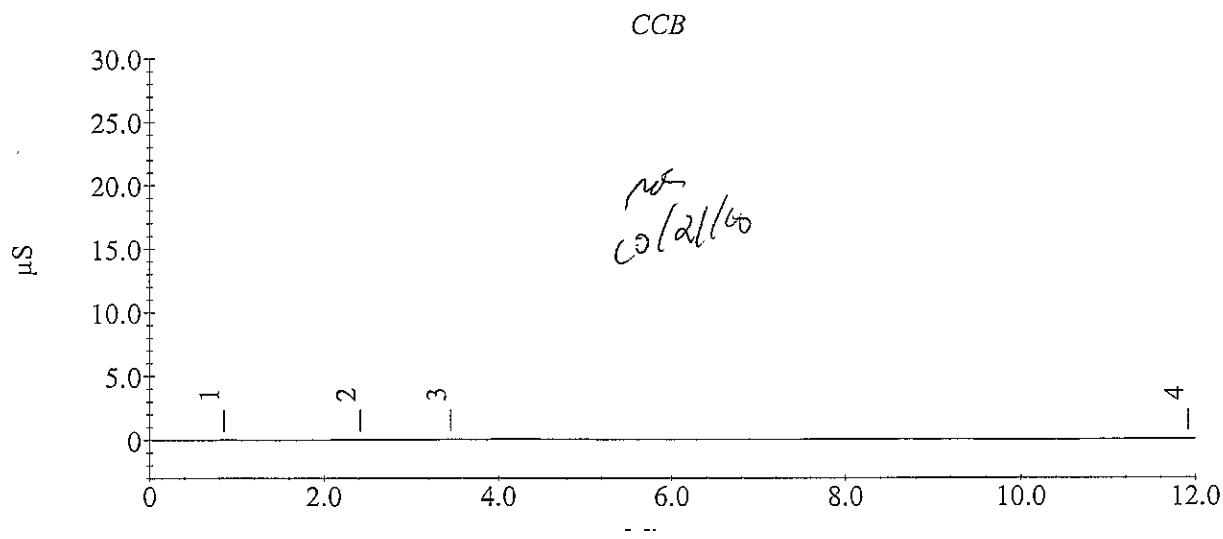
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_A062.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 9:33:31 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 62

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.42	-0.0207	5781	148
3	CHLORIDE	3.45	0.1202	3039	214
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



ns 10/21/10

Sample Analysis Report

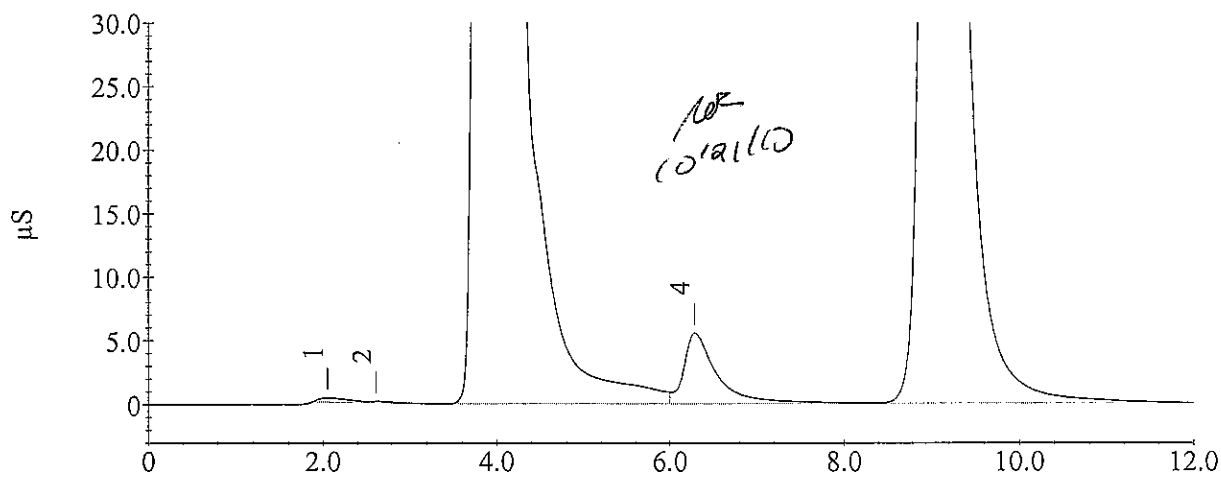
Sample Name : 500-28656-I-6 MS
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A063.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 9:47:50 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 63

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.62	0.0371	22508	1198
3	CHLORIDE	4.05	527.8292	123760740	6741224
4	NITRITE BROMIDE NITRATE OrthophosP	6.28	2.5280	1467622	55144
5	SULFATE	9.05	202.9655	36908022	1487785

500-28656-I-6 MS



Sample Analysis Report

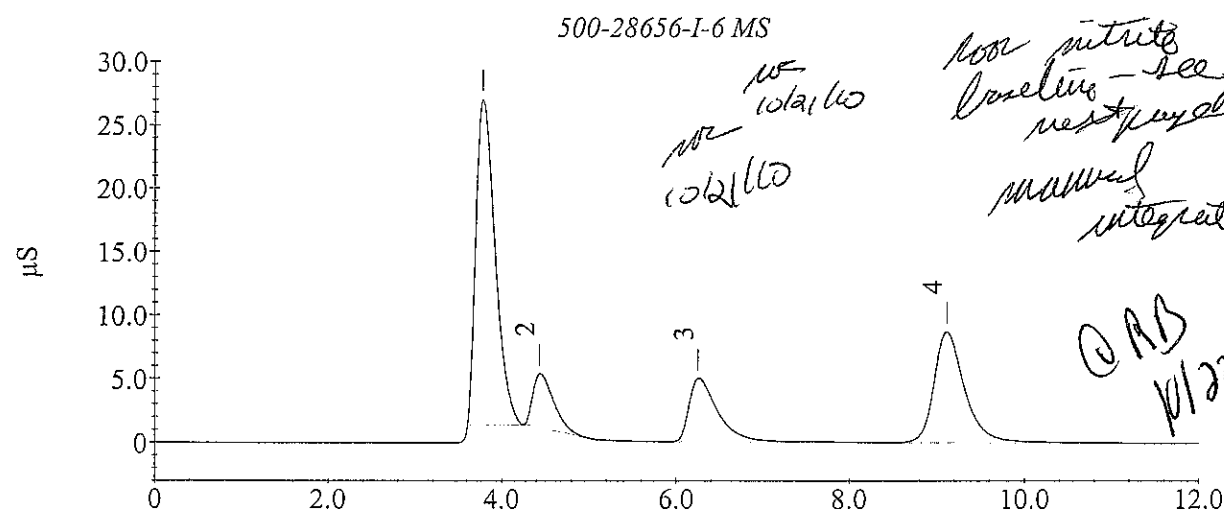
Sample Name : 500-28656-I-6 MS
Data File Name : c:\peaknet\data\20101020\D5901_A064.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:02:09 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 64

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE CHLORIDE	3.78	337.8216	3936123	256058
2	NITRITE BROMIDE	4.43	28.4523	698205	41922
3	NITRATE OrthophosP	6.25	40.4477	1165312	49754
4	SULFATE	9.12	231.2310	2130710	86954

not total no



not 10/21/10
not 10/21/10

poor nitrite baseline - see next page for manual integration

QAB 11/22/10

Sample Analysis Report

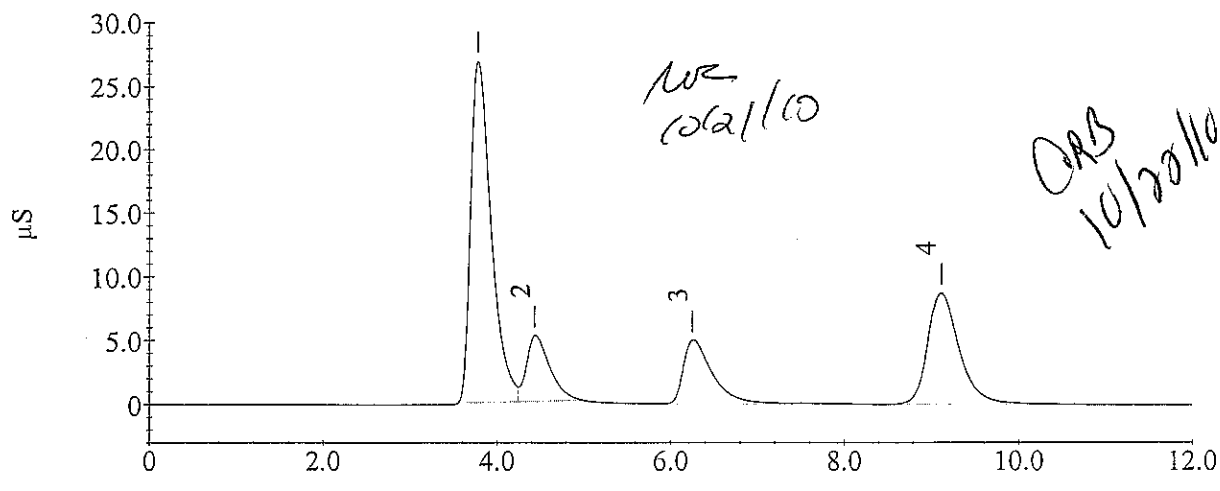
Sample Name : 500-28656-I-6 MS
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A064.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:02:09 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 64

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE CHLORIDE	3.78	377.4488	4400790	268027
2	NITRITE BROMIDE	4.43	38.9699	974813	51111
3	NITRATE OrthophosP	6.25	40.4477	1165312	49754
4	SULFATE	9.12	231.2310	2130710	86954

500-28656-I-6 MS



NR 10/21/10

ORB 10/28/10

Sample Analysis Report

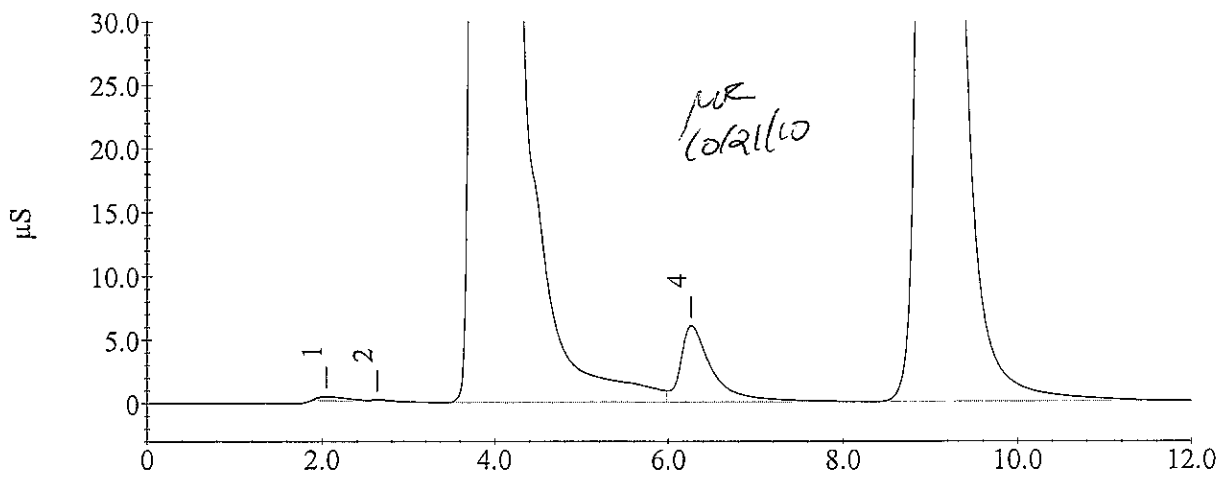
Sample Name : 500-28656-I-6 MSD
Data File Name : C:\PEAKNET\DATA\20101020\D5901_A065.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:16:28 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 65

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.63	0.0492	26035	1357
3	CHLORIDE	4.05	556.0263	130373504	6994686
	NITRITE				
	BROMIDE				
4	NITRATE	6.27	2.6128	1518347	60025
	OrthophosP				
5	SULFATE	9.03	215.8462	39248391	1629408

500-28656-I-6 MSD



Sample Analysis Report

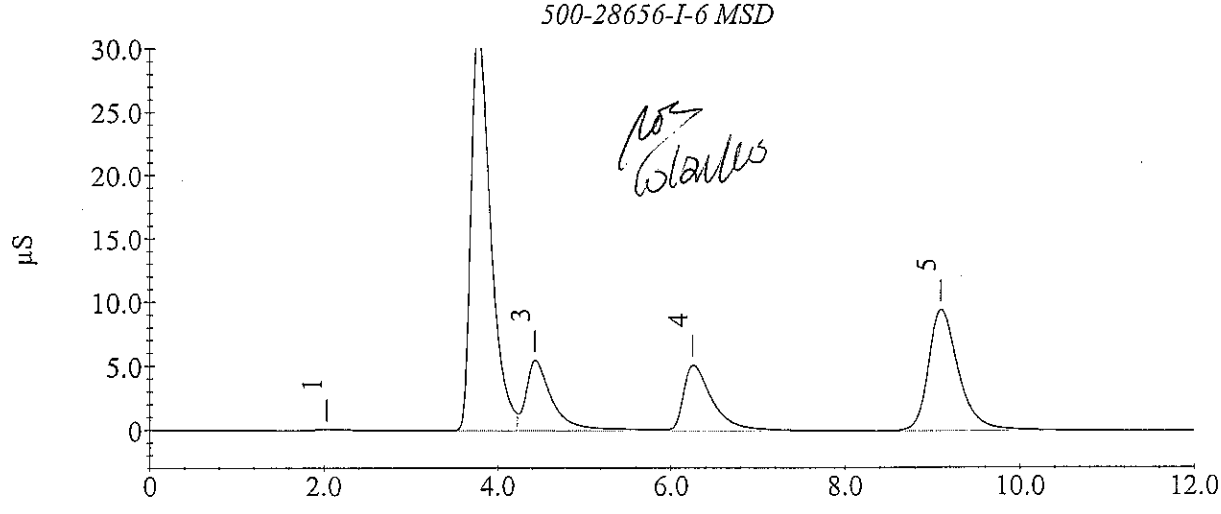
Sample Name : 500-28656-I-6 MSD
Data File Name : c:\peaknet\data\20101020\D5901_A066.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:30:46 AM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 66

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	3.77	427.7907	4991096	311254
3	NITRITE	4.43	46.9374	1184356	55003
	BROMIDE				
4	NITRATE	6.25	41.8354	1206797	51229
	OrthophosP				
5	SULFATE	9.10	245.6176	2261409	94383

500-28656-I-6 MSD



Sample Analysis Report

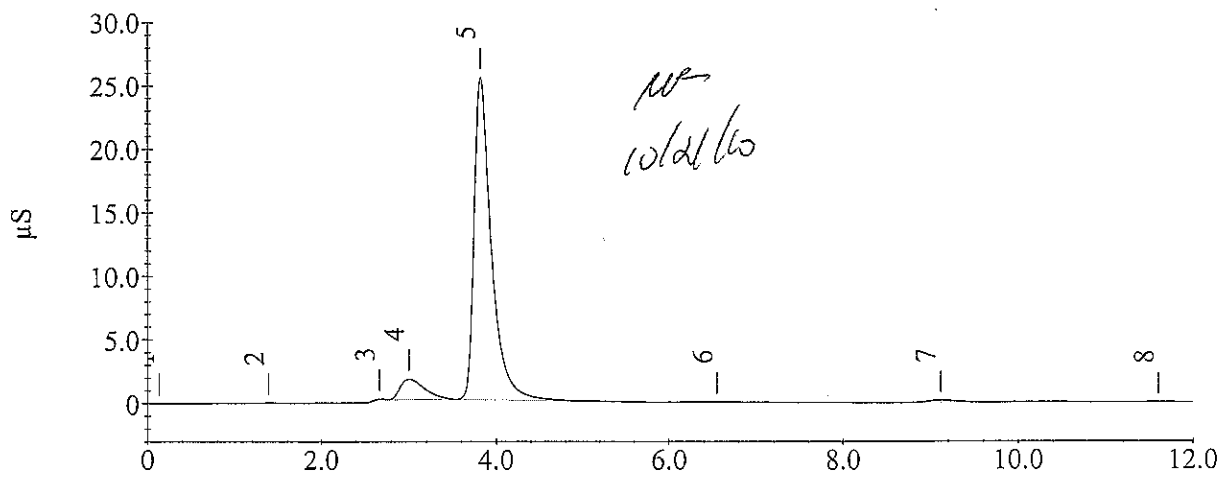
Sample Name : 500-28562-G-2
Data File Name : c:\peaknet\data\20101020\D5901_A067.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:45:05 AM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 67

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
3	FLUORIDE	2.67	-0.0628	2673	472
5	CHLORIDE	3.82	30.1930	3515260	253355
	NITRITE				
	BROMIDE				
6	NITRATE	6.55	0.2098	18826	492
	OrthophosP				
7	SULFATE	9.12	0.0750	36833	1743

500-28562-G-2



10/21/10

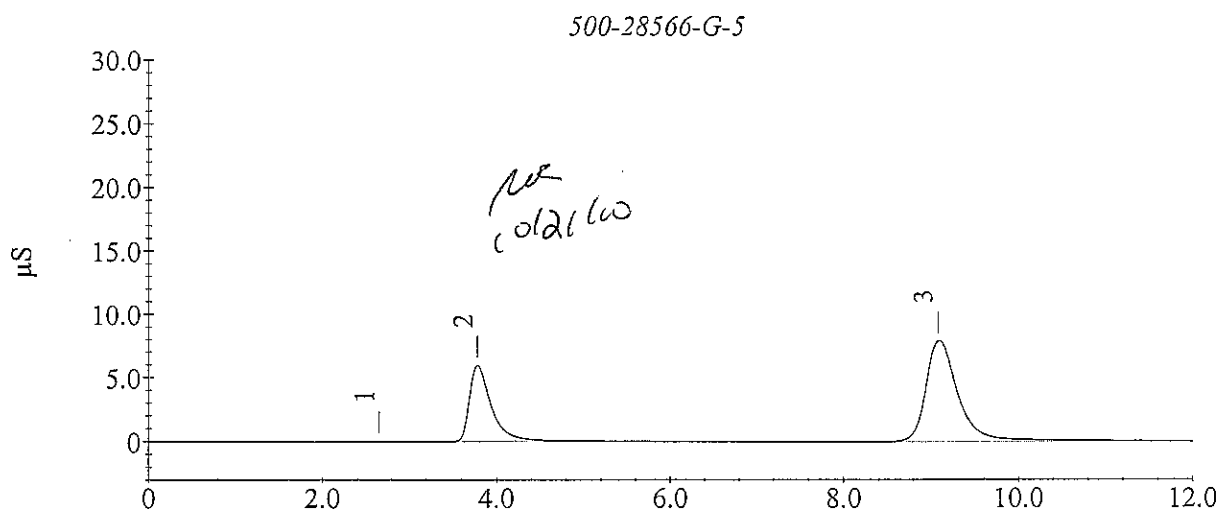
Sample Analysis Report

Sample Name : 500-28566-G-5
Data File Name : c:\peaknet\data\20101020\D5901_A068.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 10:59:24 AM
System Operator : Pete Ficarello
Dilution Factor : 5.00
Injection Number : 68

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.65	-0.1808	1290	148
2	CHLORIDE	3.78	22.3406	1022706	59350
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.08	53.5324	1975349	78862



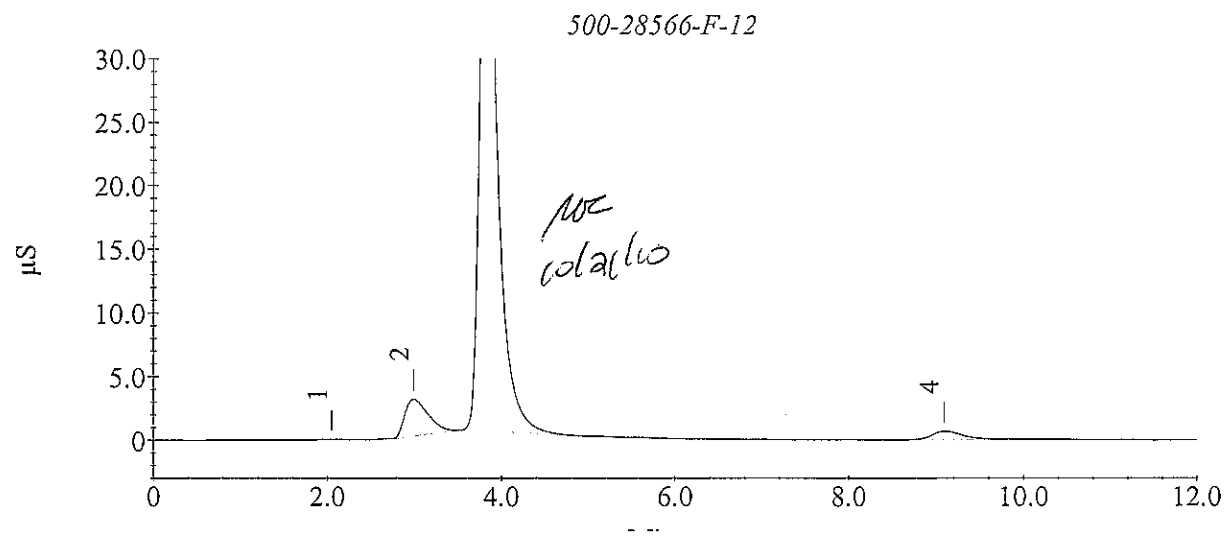
Sample Analysis Report

Sample Name : 500-28566-F-12
Data File Name : c:\peaknet\data\20101020\D5901_A069.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 11:13:43 AM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 69

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
3	CHLORIDE	3.82	56.8742	6643877	481617
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.10	1.4589	162564	6513



Sample Analysis Report

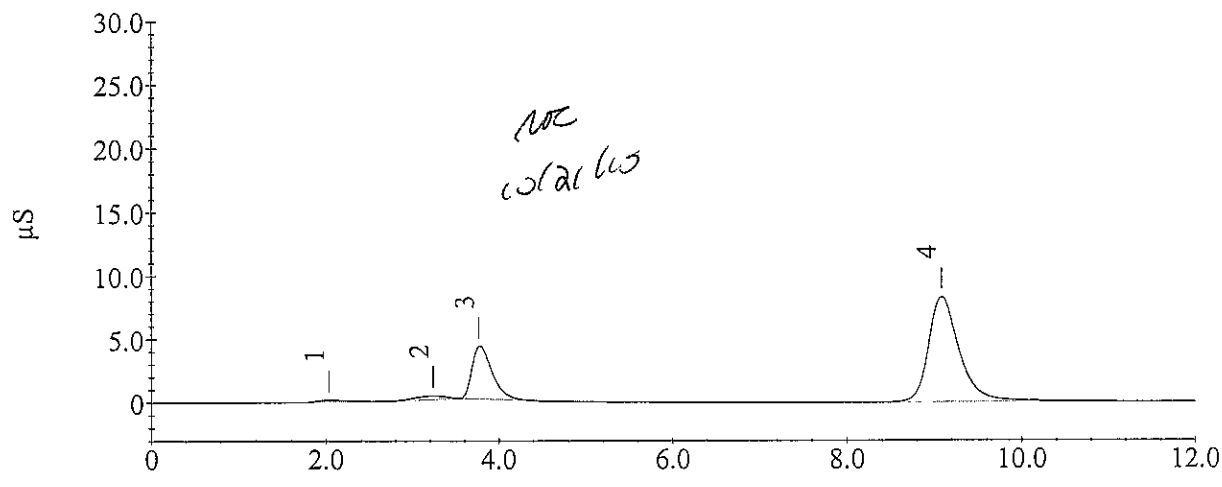
Sample Name : 500-28566-F-14
Data File Name : c:\peaknet\data\20101020\D5901_A070.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 11:28:02 AM
System Operator : Pete Ficarello
Dilution Factor : 5.00
Injection Number : 70

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE nc				
3	CHLORIDE nq	3.77	14.6536	662153	41305
	NITRITE nq				
	BROMIDE nc				
	NITRATE nc				
	OrthophosP nc				
4	SULFATE nc	9.08	54.7794	2020661	82744

500-28566-F-14



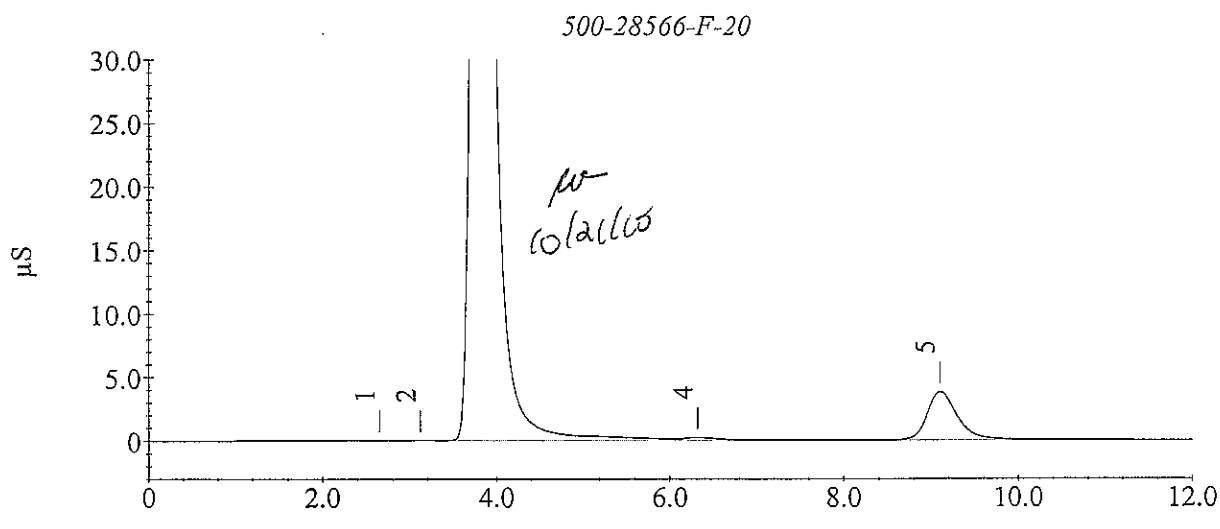
Sample Analysis Report

Sample Name : 500-28566-F-20
Data File Name : c:\peaknet\data\20101020\D5901_A071.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 11:42:20 AM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 71

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.65	-0.0623	2749	276
3	CHLORIDE	3.82	141.3814	16553146	1041290
	NITRITE				
	BROMIDE				
4	NITRATE	6.32	0.3727	67515	2128
	OrthophosP				
5	SULFATE	9.10	9.7045	911655	37860



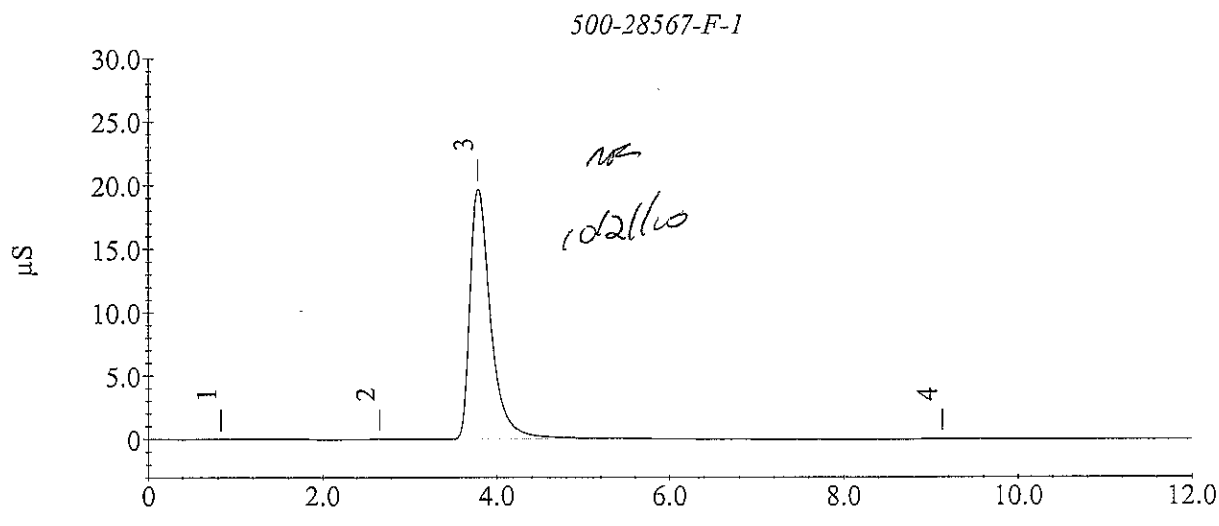
Sample Analysis Report

Sample Name : 500-28567-F-1
Data File Name : c:\peaknet\data\20101020\D5901_A072.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 11:56:39 AM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 72

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	-0.0657	2246	221
3	CHLORIDE	3.78	28.1525	3275990	196692
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.13	-0.2787	4706	239



10/21/10

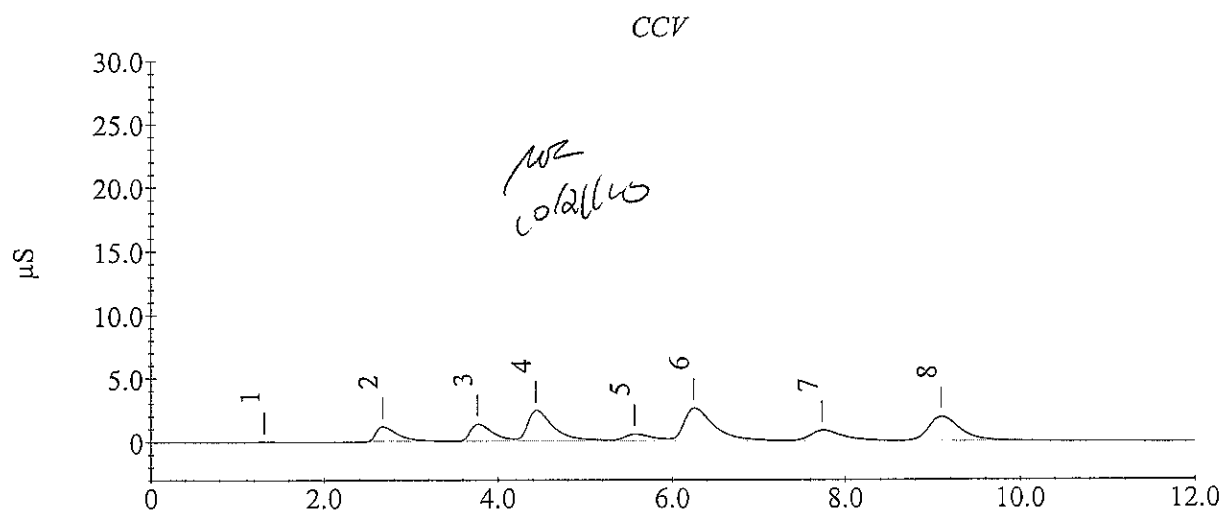
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101020\D5901_A073.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 12:10:58 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 73

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	0.6298	194238	11320
3	CHLORIDE	3.77	1.0919	230927	13107
4	NITRITE	4.43	1.0404	497147	23915
5	BROMIDE	5.57	1.2471	120142	5396
6	NITRATE	6.25	1.1309	632265	25658
7	OrthophosP	7.73	0.4739	225755	8269
8	SULFATE	9.10	2.3980	465737	18813



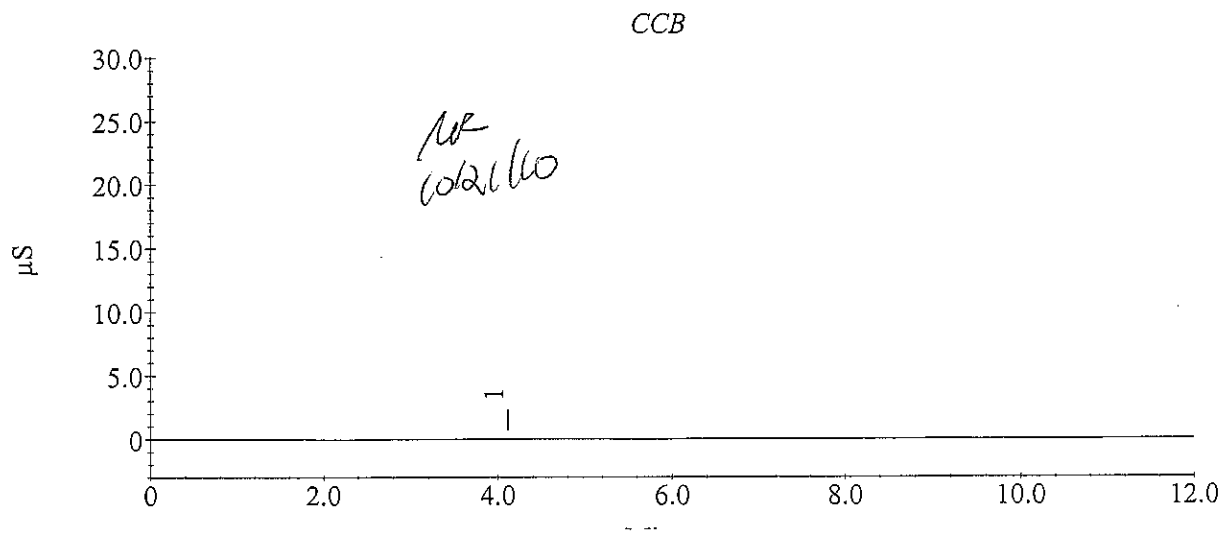
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101020\D5901_A074.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 12:25:17 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 74

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE CHLORIDE NITRITE BROMIDE NITRATE OrthophosP SULFATE	4.12	0.1135	1459	91



MP 10/21/10

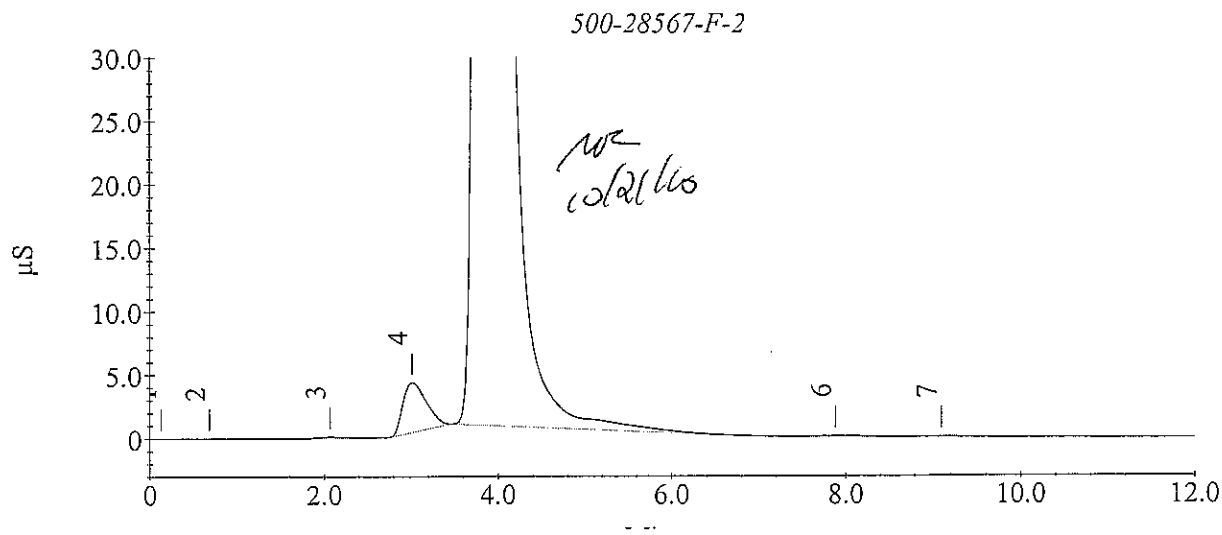
Sample Analysis Report

Sample Name : 500-28567-F-2
Data File Name : c:\peaknet\data\20101020\D5901_A075.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 12:39:37 PM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 75

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE m				
5	CHLORIDE m	3.95	581.2400	68130715	4366965
	NITRITE m				
	BROMIDE m				
	NITRATE m				
6	OrthophosP m	7.88	-0.2505	37503	800
7	SULFATE m, ob	9.10	-0.2132	10660	449



Sample Analysis Report

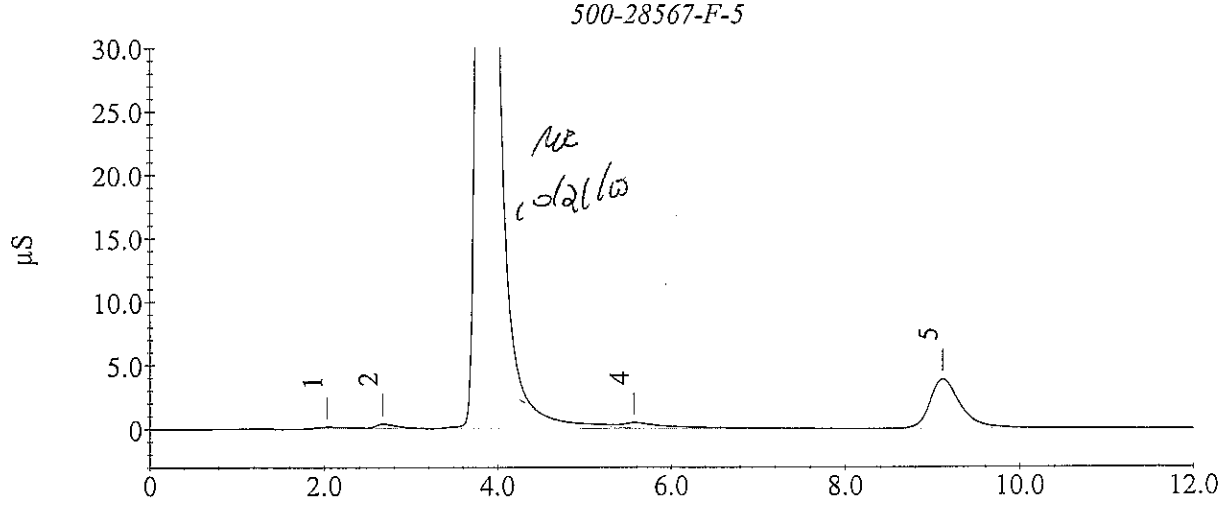
Sample Name : 500-28567-F-5
Data File Name : c:\peaknet\data\20101020\D5901_A076.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 12:53:55 PM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 76

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	0.3088	56504	3424
3	CHLORIDE NITRITE	3.85	141.3249	16546525	1213878
4	BROMIDE NITRATE OrthophosP	5.57	3.7013	185205	4310
5	SULFATE	9.12	9.9025	929643	38662

500-28567-F-5



Sample Analysis Report

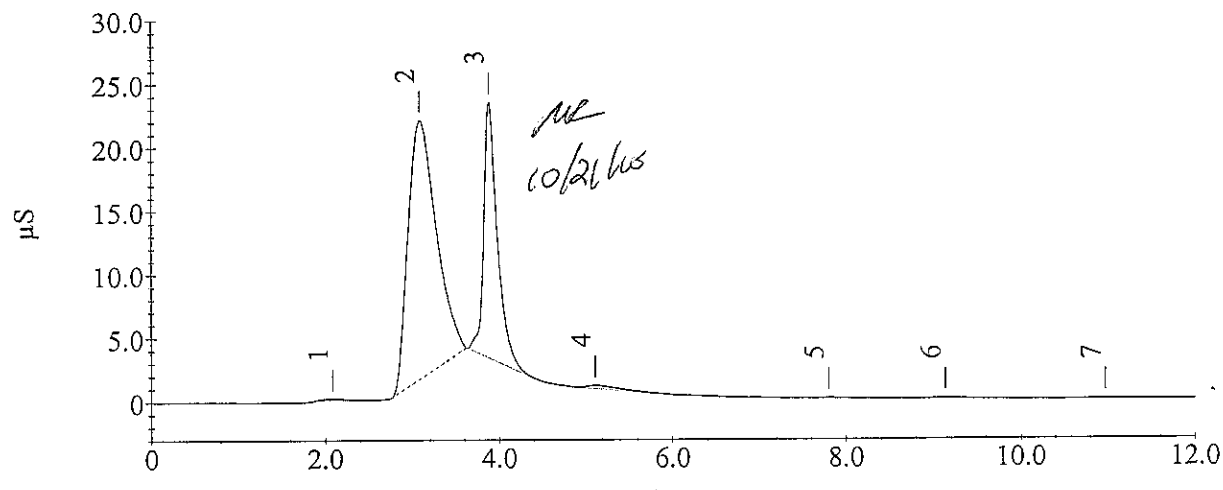
Sample Name : 500-28567-F-8
Data File Name : c:\peaknet\data\20101020\D5901_A077.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 1:08:15 PM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 77

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
3	CHLORIDE	3.88	19.1617	2221734	201098
	NITRITE				
	BROMIDE				
	NITRATE				
5	OrthophosP	7.80	-0.3963	14600	405
6	SULFATE	9.13	-0.1646	15069	580

500-28567-F-8



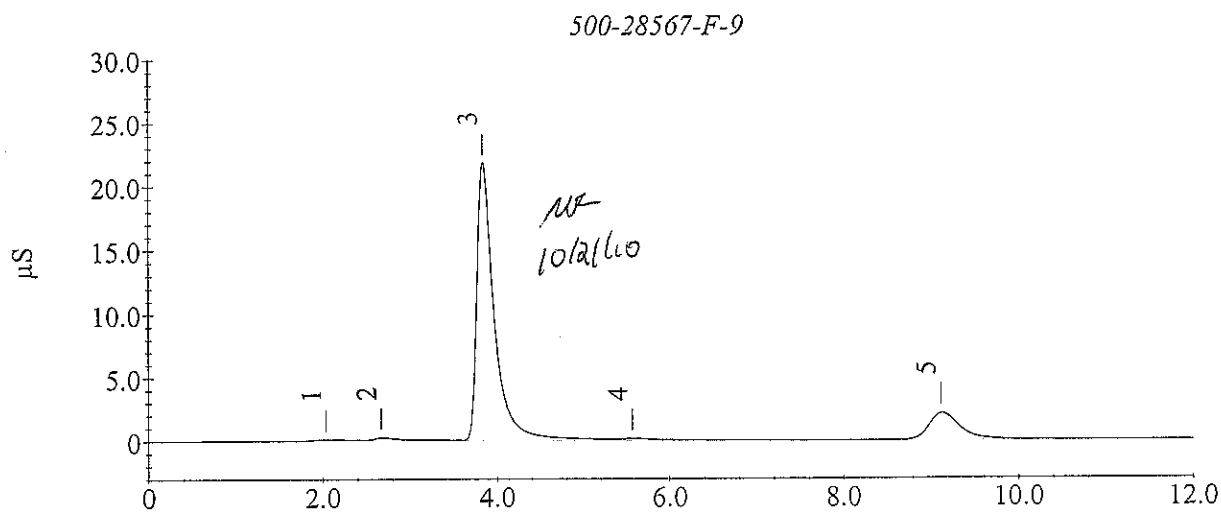
Sample Analysis Report

Sample Name : 500-28567-F-9
Data File Name : c:\peaknet\data\20101020\D5901_A078.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 1:22:34 PM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 78

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	0.2312	45261	1961
3	CHLORIDE	3.83	26.2149	3048785	217667
	NITRITE				
4	BROMIDE	5.57	1.4448	63576	1399
	NITRATE				
	OrthophosP				
5	SULFATE	9.12	5.2308	505235	21030



Sample Analysis Report

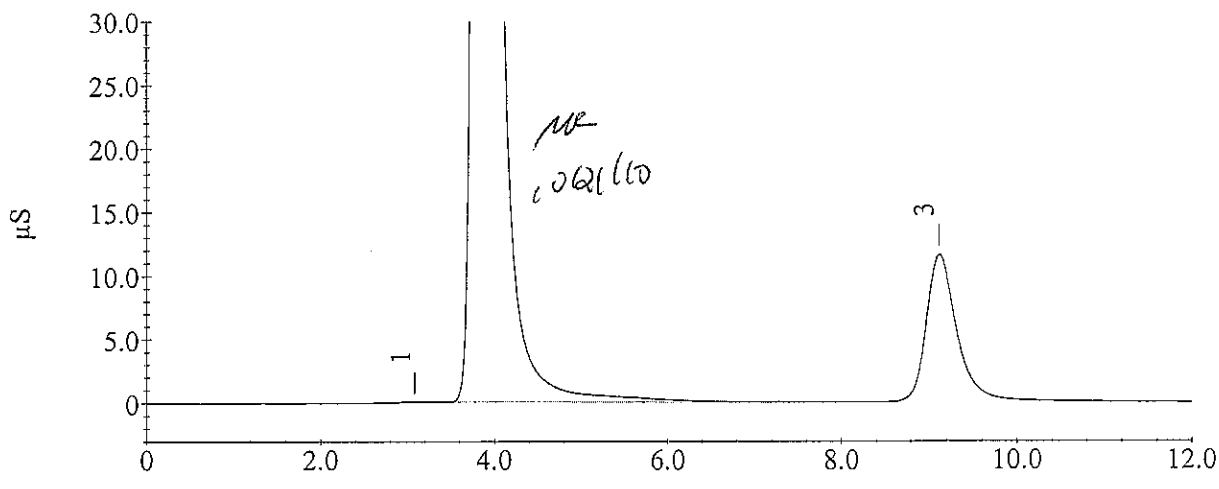
Sample Name : 500-28567-F-11
Data File Name : c:\peaknet\data\20101020\D5901_A079.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 1:36:53 PM
System Operator : Pete Ficarello
Dilution Factor : 2.00
Injection Number : 79

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	3.88	297.2380	34828810	2405545
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	9.12	29.9788	2753536	115877

500-28567-F-11



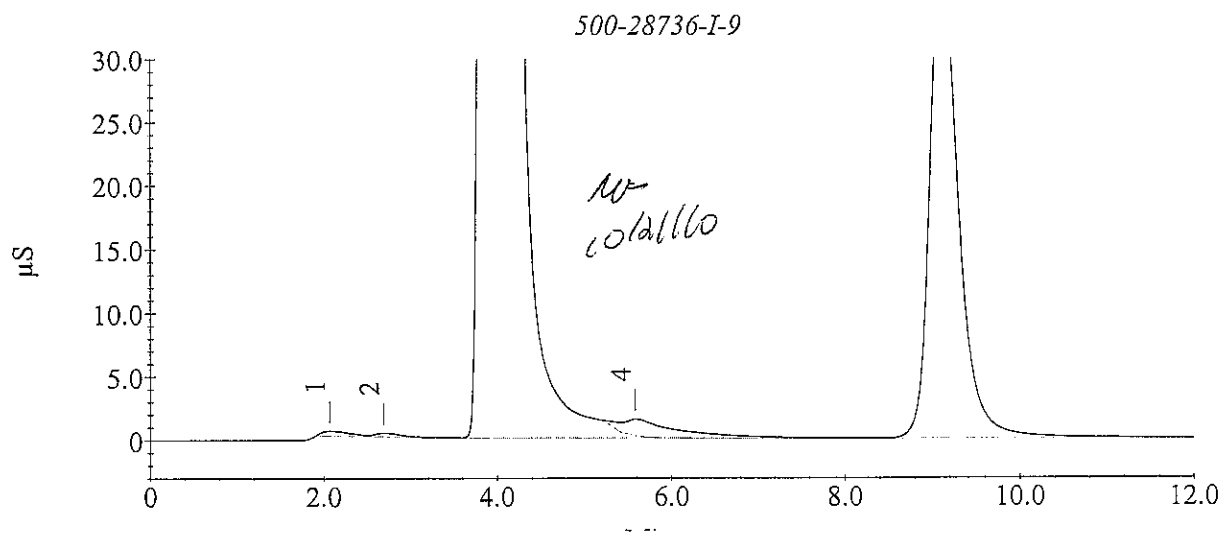
Sample Analysis Report

Sample Name : 500-28736-I-9
Data File Name : c:\peaknet\data\20101020\D5901_A080.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 1:51:12 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 80

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.68	0.1829	64755	2895
3	CHLORIDE	4.07	417.8133	97959958	6246745
	NITRITE				
4	BROMIDE	5.58	5.7993	610882	13251
	NITRATE				
	OrthophosP				
5	SULFATE	9.10	46.6694	8509654	384952



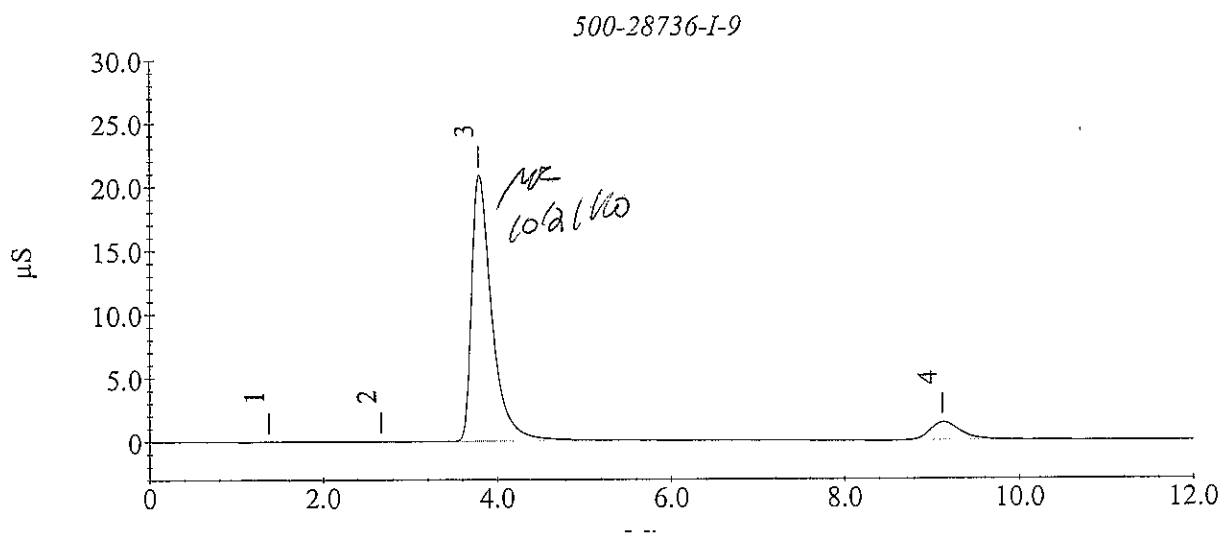
Sample Analysis Report

Sample Name : 500-28736-I-9
Data File Name : c:\peaknet\data\20101020\D5901_A081.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:05:31 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 81

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.67	-0.5374	3983	266
3	CHLORIDE	3.78	293.0267	3410861	208114
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.12	34.7403	345633	14004



Sample Analysis Report

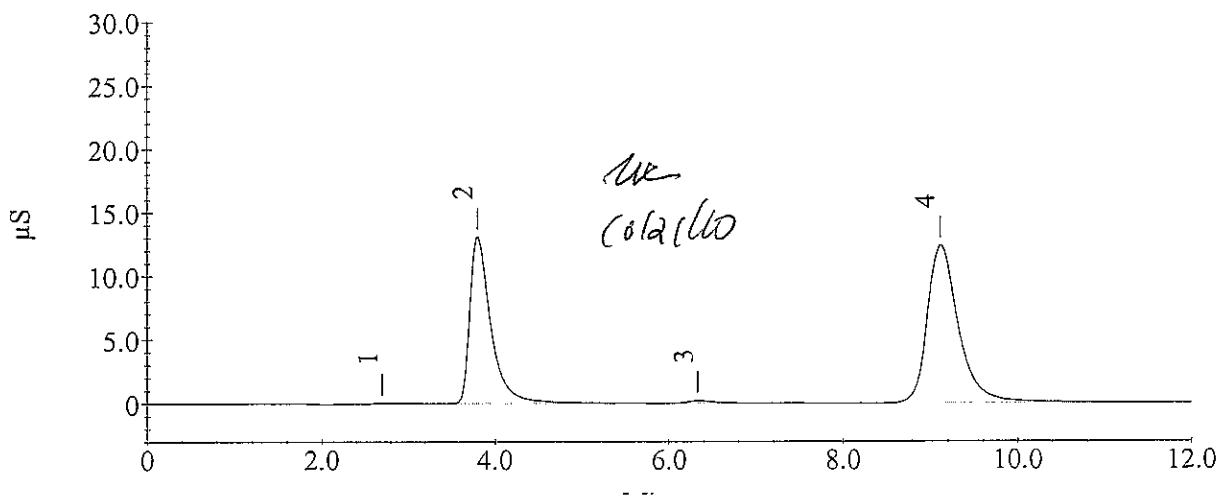
Sample Name : 500-28567-F-13
Data File Name : c:\peaknet\data\20101020\D5901_082.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:19:49 PM
System Operator : Pete Ficarello
Dilution Factor : 5.00
Injection Number : 82

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.70	-0.1755	1598	207
2	CHLORIDE	3.80	47.2762	2192281	130505
	NITRITE				
	BROMIDE				
3	NITRATE	6.33	0.7314	43551	1900
	OrthophosP				
4	SULFATE	9.12	80.5498	2957137	123526

500-28567-F-13



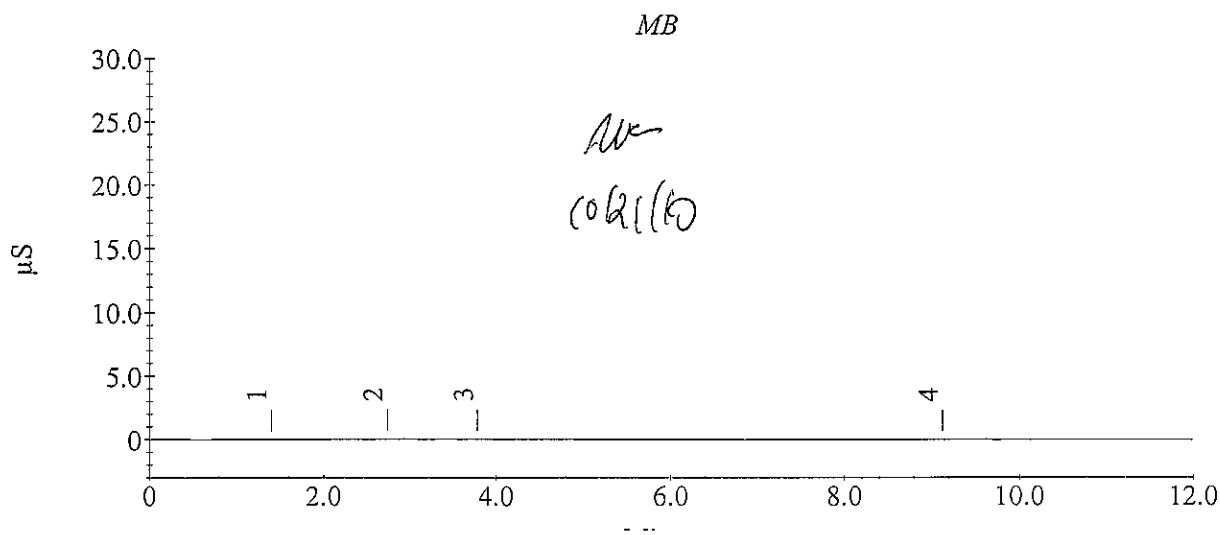
Sample Analysis Report

Sample Name : MB
Data File Name : c:\peaknet\data\20101020\D5901_083.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:34:08 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 83

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.73	-0.0358	1403	113
3	CHLORIDE	3.78	0.1158	2006	177
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	9.13	-0.1501	2743	147



AW
10/21/10

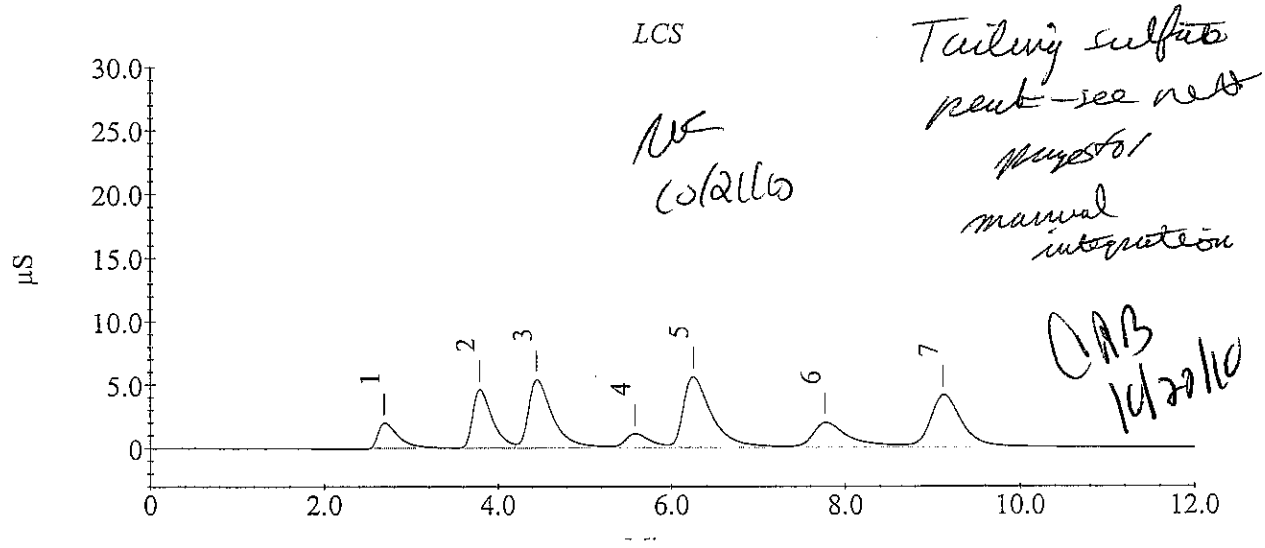
Sample Analysis Report

Sample Name : LCS
Data File Name : C:\PEAKNET\DATA\20101020\D5901_084.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:48:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 84

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.68	1.0574	318113	19637
2	CHLORIDE	3.78	3.2020	725785	45873
3	NITRITE	4.45	2.0909	1049691	53741
4	BROMIDE	5.58	2.1703	219664	10969
5	NITRATE	6.25	2.2090	1276886	55912
6	OrthophosP	7.77	1.5916	576955	19636
7	SULFATE	9.12	5.5793	1043768	41153



Tailing sulfate peak - see next page for manual integration
10/20/10
CAB 10/20/10

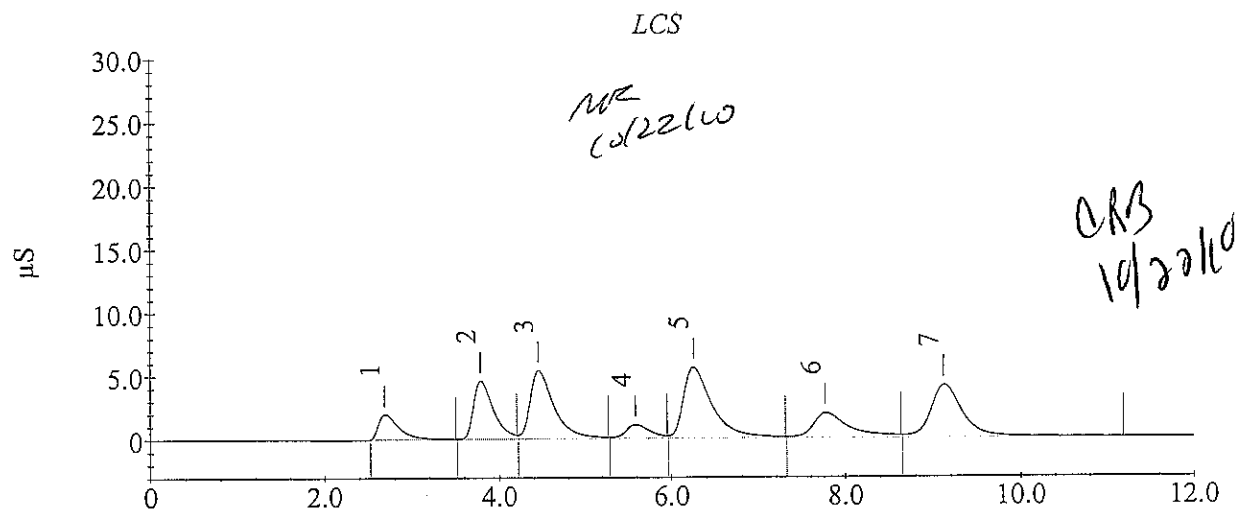
Sample Analysis Report

Sample Name : LCS
Data File Name : C:\PEAKNET\DATA\20101020\D5901_084A.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:48:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 84

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.68	1.0574	318113	19637
2	CHLORIDE	3.78	3.2020	725785	45873
3	NITRITE	4.45	2.0909	1049691	53741
4	BROMIDE	5.58	2.1703	219664	10969
5	NITRATE	6.25	2.2090	1276886	55912
6	OrthophosP	7.77	1.5916	576955	19636
7	SULFATE	9.12	5.5793	1043768	41153



NR 10/22/10

ORB 10/22/10

: PeakNet 5.21

Page 1 of 1

Current Date : 10/21/10
Current Time : 15:37:10

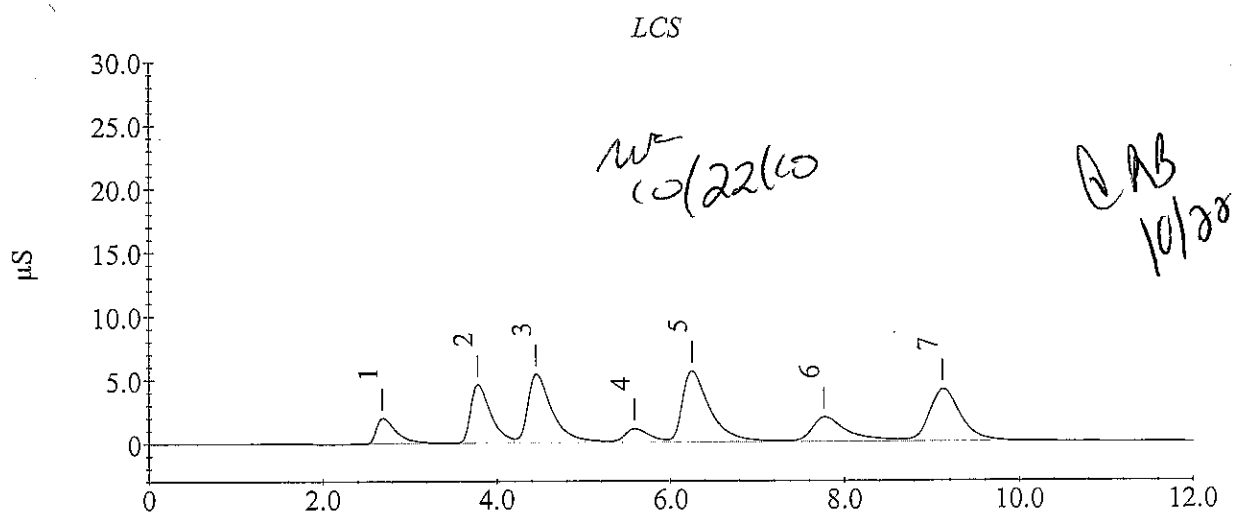
Sample Analysis Report

Sample Name : LCS
Data File Name : C:\PEAKNET\DATA\20101020\D5901_084.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 2:48:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 84

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.68	1.0574	318113	19637
2	CHLORIDE	3.78	3.1973	724666	45852
3	NITRITE	4.45	2.0791	1043533	53667
4	BROMIDE	5.58	2.1081	212962	10805
5	NITRATE	6.25	2.1757	1257003	55694
6	OrthophosP	7.77	1.5022	548868	19298
7	SULFATE	9.12	5.2601	985759	40707



10/22/10

10/22/10

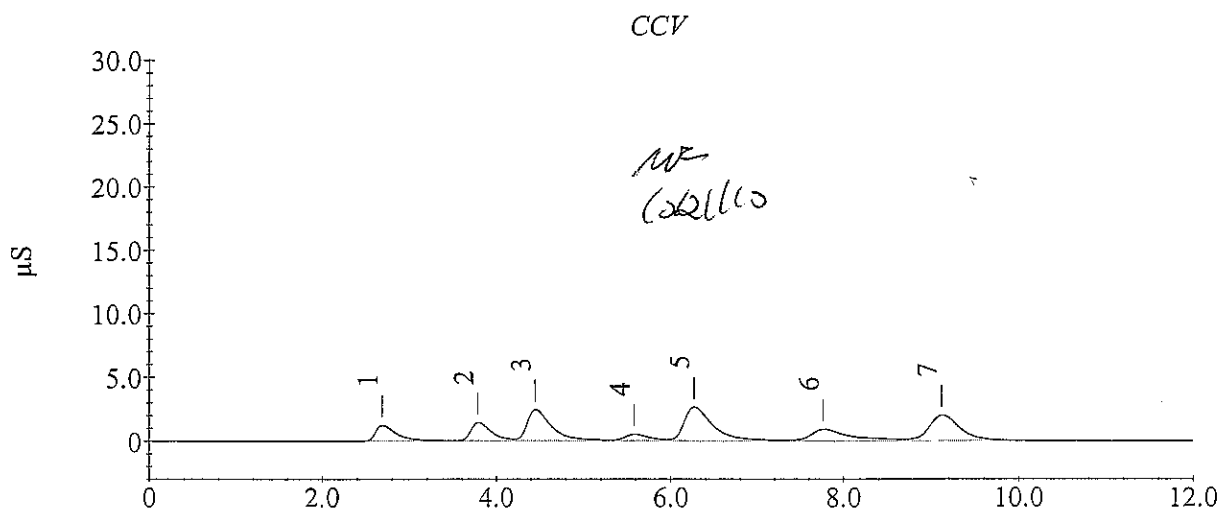
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101020\D5901_085.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 3:02:57 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 85

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.68	0.6414	197582	12087
2	CHLORIDE	3.78	1.1014	233155	14144
3	NITRITE	4.45	1.0040	478017	24355
4	BROMIDE	5.58	1.0636	100360	5112
5	NITRATE	6.27	1.0981	612652	26356
6	OrthophosP	7.77	0.6829	291437	9234
7	SULFATE	9.12	2.5724	497418	19974



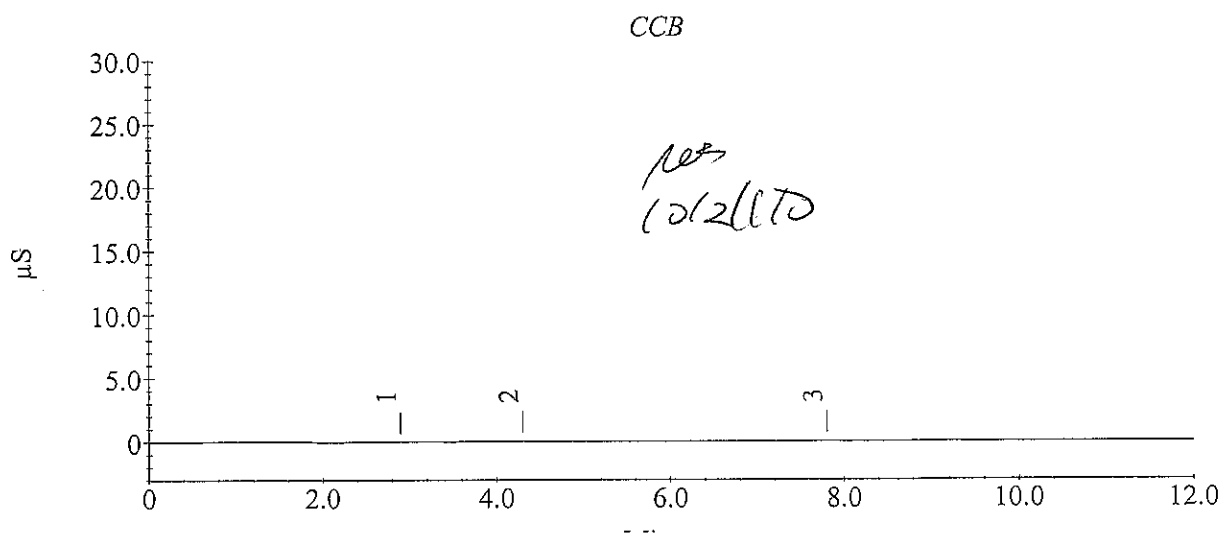
Sample Analysis Report

Sample Name : CCB
Data File Name : C:\PEAKNET\DATA\20101020\D5901_086.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/21/10 3:17:15 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 86

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
2	NITRITE	4.30	0.1190	12537	330
	BROMIDE				
	NITRATE				
3	OrthophosP	7.80	-0.2383	1994	117
	SULFATE				



PES
10/21/10

General Chemistry Worksheet

Batch Number: 500-97802
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Oct 20 2010 11:22AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICCL2_00004	WSTICNI2_00014	WSTICNO32_00006	WSTICS2_00004
ICV~500-97802/1		300		100 mL	300 uL	2000 uL	200 uL	500 uL
ICB~500-97802/2		300						
500-28652-G-3	VLF-MW-3	300	T					
500-28652-G-3	VLF-MW-3	300	T					
500-28652-G-2	VLF-MW-2	300	T					
500-28652-G-2	VLF-MW-2	300	T					
500-28652-F-6	OLD-MW-4	300	T					
500-28652-F-6	OLD-MW-4	300	T					
500-28652-F-4	VLF-MW-4	300	T					
500-28652-F-4	VLF-MW-4	300	T					
500-28652-F-1	VLF-MW-1	300	T					
500-28652-F-1	VLF-MW-1	300	T					
CCV~500-97802/13		300		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/14		300						
500-28652-I-8	VLF-MW-7	300	T					
500-28652-I-8	VLF-MW-7	300	T					
500-28652-I-8~MS		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28652-I-8~MS		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28652-I-8~MSD		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28652-I-8~MSD		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
MB~500-97802/21		300						
LCS~500-97802/22		300		100 mL	300 uL	2000 uL	200 uL	500 uL
500-28652-F-9	OLD-MW-9	300	T					
500-28652-F-9	OLD-MW-9	300	T					
CCV~500-97802/25		300		100 mL	100 uL	1000 uL	100 uL	250 uL

General Chemistry Worksheet

Batch Number: 500-97802
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Oct 20 2010 11:22AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICCL2_00004	WSTICNI2_00014	WSTICNO32_00006	WSTICS2_00004
CCB~500-97802/26		300						
500-28652-F-10	VLF-MW-5	300	T					
500-28652-F-10	VLF-MW-5	300	T					
500-28652-F-11	VLF-MW-6	300	T					
500-28652-F-11	VLF-MW-6	300	T					
500-28656-I-1	MW-110	300	T					
500-28656-I-1	MW-110	300	T					
500-28656-I-2	MW-109	300	T					
500-28656-I-2	MW-109	300	T					
500-28656-I-3	MW-104	300	T					
500-28656-I-3	MW-104	300	T					
CCV~500-97802/37		300		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/38		300						
500-28656-I-4	MW-103	300	T					
500-28656-I-4	MW-103	300	T					
500-28656-I-5	MW-201	300	T					
500-28656-I-5	MW-201	300	T					
500-28662-I-3	9MW07101910	9056	T					
500-28662-I-3	9MW07101910	9056	T					
500-28662-I-4	9MW02101910	9056	T					
500-28662-I-4	9MW02101910	9056	T					
500-28662-I-5	9MW01101910	9056	T					
500-28662-I-5	9MW01101910	9056	T					
CCV~500-97802/49		300		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/50		300						

General Chemistry Worksheet

Batch Number: 500-97802
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Oct 20 2010 11:22AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICCL2_00004	WSTICNI2_00014	WSTICNO32_00006	WSTICS2_00004
500-28662-I-6	9MW03101910	9056	T					
500-28662-I-6	9MW03101910	9056	T					
500-28662-I-7	9MW04101910	9056	T					
500-28662-I-7	9MW04101910	9056	T					
500-28662-I-8	BSOSMW06101910	9056	T					
500-28662-I-8	BSOSMW06101910	9056	T					
MB~500-97802/57								
LCS~500-97802/58								
500-28656-I-6	DUP1	300	T					
500-28656-I-6	DUP1	300	T					
CCV~500-97802/61		9056		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/62		9056						
500-28656-I-6~MS		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28656-I-6~MS		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28656-I-6~MSD		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28656-I-6~MSD		300	T	100 mL	300 uL	2000 uL	200 uL	500 uL
500-28562-G-2	MW-2	300	T					
500-28566-G-5	DW-19 (i)	9056A	T					
500-28566-F-12	DW-13 (d1)	9056A	T					
500-28566-F-14	DW-11 (d1)	9056A	T					
500-28566-F-20	DW-09 (d1)	9056A	T					
500-28567-F-1	DW-17 (d2)	9056A	T					
CCV~500-97802/73		300		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/74		300						
500-28567-F-2	EW-509	9056A	T					

General Chemistry Worksheet

Batch Number: 500-97802
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Oct 20 2010 11:22AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICCL2_00004	WSTICNI2_00014	WSTICNO32_00006	WSTICS2_00004
500-28567-F-5	MW-14 (S)	9056A	T					
500-28567-F-8	DW07 (i)	9056A	T					
500-28567-F-9	MW-04(S)	9056A	T					
500-28567-F-11	DW-14 (d2)	9056A	T					
500-28713-I-9	MW205	300	T					
500-28713-I-9	MW205	300	T					
500-28567-F-13	EW-512	9056A	T					
MB~500-97802/83		300						
LCS~500-97802/84		300		100 mL	300 uL	2000 uL	200 uL	500 uL
CCV~500-97802/85		9056A		100 mL	100 uL	1000 uL	100 uL	250 uL
CCB~500-97802/86		9056A						

TestAmerica Chicago

Alkalinity

Analytical Batch # 98038

NCM # _____

Method: SM 2320B

Instrument: PC Titrate

Alkalinity Calculations :

> 20 mg/L alk = tcon x 50,000 x ep1 or ep2a / svol

< 20 mg/L alk = (2 X ep2a - ep2b) X tcon X 50,000 / svol

where:

ep1 = mLs titrant to pH 8.3 (endpoint for Phenolphthalein Alkalinity)
ep2a = mLs Titrant to pH 4.5 (endpoint for Total Alkalinity)
ep2b = total mLs Titrant to lower pH an additional 0.30 units
tcon = Titrant normality
svol = mL sample volume

Alkalinity Relationships :

Result (as CaCO3)	OH Alk.	Carb. Alk.	Bicarb. Alk.
P = 0	0	0	T
P < 1/2 T	0	2P	T - 2P
P = 1/2 T	0	2P	0
P > 1/2 T	2P - T	2(T - P)	0
P = T	T	0	0

Key

P = Phenophthalein Alkalinity (as CaCO3 titr. To pH 8.3)
T = Total Alkalinity (as CaCO3 titr. To pH 4.5)
OH = Hydroxide Alkalinity

Note: All calculations are performed by the PC Titrate Software. The PC Titrate autosampler draws 20 ml of each buffer, standard, and sample for titration.

Standard Traceability:

ICAL	pH Buffer 4.0	110JPH4A2
ICAL	pH Buffer 7.0	110JPH7A2
CCAL	pH Buffer 7.0	110JPH7B2
	LCS	WCSTAK-00003

Spiking Levels:

LCS 100 mg/L

Analyst: Colleen Moore Analysis Date: 10-21-10

Reviewer: Carla Barron Date: 10/21/10

CHI-22-12-114/C-11/09

98038

CM 10-25-10

TAL Chicago

Wet Lab

Report Date: 10/21/2010 **Run Number** **Order Number**

Report Time: 19:50 **3093** **20101021-2**

SampleID	RunDate	RunTime	pH	palk-ppm	Total Alk (ppm)	Bi-Carbonate	Carbonate	Hydroxide	F-ppm
phc	10/21/2010	16:15	7.01	.00	1,334.78	1,334.78	.00	.00	-1.00
mb	10/21/2010	16:20	5.02	.00	.36	.36	.00	.00	-1.00
lcs	10/21/2010	16:27	10.82	90.85	97.90	.00	14.10	83.80	-1.00
500-28662-J-4	10/21/2010	16:34	7.75	.00	88.54	88.54	.00	.00	-1.00
500-28662-J-5	10/21/2010	16:40	6.84	.00	88.70	88.70	.00	.00	-1.00
500-28662-J-6	10/21/2010	16:46	6.55	.00	35.88	35.88	.00	.00	-1.00
500-28662-J-7	10/21/2010	16:52	6.27	.00	14.31	14.31	.00	.00	-1.00
500-28662-J-8	10/21/2010	16:58	6.33	.00	9.83	9.83	.00	.00	-1.00
500-28652-H-1	10/21/2010	17:06	7.59	.00	77.55	77.55	.00	.00	-1.00
500-28652-H-1 DU	10/21/2010	17:13	7.64	.00	65.07	65.07	.00	.00	-1.00
500-28652-I-2	10/21/2010	17:22	11.25	159.78	221.14	.00	122.72	98.42	-1.00
phc-1	10/21/2010	17:35	7.05	.00	1,315.30	1,315.30	.00	.00	-1.00
500-28652-I-3	10/21/2010	17:42	7.77	.00	228.83	228.83	.00	.00	-1.00
500-28652-H-4	10/21/2010	17:51	10.77	90.63	142.80	.00	104.34	38.46	-1.00
500-28652-H-6	10/21/2010	17:59	7.69	.00	342.78	342.78	.00	.00	-1.00
500-28652-K-8	10/21/2010	18:07	7.94	.00	379.63	379.63	.00	.00	-1.00
500-28652-H-9	10/21/2010	18:15	7.71	.00	441.68	441.68	.00	.00	-1.00
500-28652-H-10	10/21/2010	18:23	7.88	.00	399.26	399.26	.00	.00	-1.00
500-28652-H-11	10/21/2010	18:31	7.79	.00	367.64	367.64	.00	.00	-1.00
500-28656-L-1	10/21/2010	18:39	7.99	.00	434.16	434.16	.00	.00	-1.00
500-28656-L-2	10/21/2010	18:47	7.91	.00	380.90	380.90	.00	.00	-1.00
500-28656-L-3	10/21/2010	18:58	7.91	.00	717.10	717.10	.00	.00	-1.00
phc-2	10/21/2010	19:11	7.06	.00	1,310.71	1,310.71	.00	.00	-1.00
500-28656-L-4	10/21/2010	19:18	7.81	.00	417.87	417.87	.00	.00	-1.00
500-28656-L-5	10/21/2010	19:27	7.85	.00	411.82	411.82	.00	.00	-1.00
500-28656-L-6	10/21/2010	19:35	7.90	.00	399.77	399.77	.00	.00	-1.00
phc-3	10/21/2010	19:47	7.09	.00	1,357.14	1,357.14	.00	.00	-1.00

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CM 10-25-10

PC-Titrate For Windows

Exported Equation Results

Sample ID	pH	pHmV	stbT	Temp
phc	7.010	-23.550	91.284	22.355
mb	5.022	92.770	92.385	22.126
lcs	10.816	-246.450	91.635	21.831
500-28662-J-4	7.753	-67.380	91.823	21.252
500-28662-J-5	6.843	-14.160	91.505	21.121
500-28662-J-6	6.550	2.920	91.965	21.208
500-28662-J-7	6.266	19.160	92.070	21.469
500-28662-J-8	6.326	15.620	91.850	21.310
500-28652-H-1	7.588	-57.730	92.045	21.078
500-28652-H-1 DU	7.639	-60.790	91.895	21.020
500-28652-I-2	11.253	-268.430	52.759	20.826
phc-1	7.048	-26.850	91.680	21.310
500-28652-I-3	7.768	-68.230	91.764	21.339
500-28652-H-4	10.768	-241.210	85.405	21.686
500-28652-H-6	7.694	-63.840	91.960	21.425
500-28652-K-8	7.944	-78.360	91.840	21.208
500-28652-H-9	7.712	-64.940	91.935	21.049
500-28652-H-10	7.878	-74.210	91.904	20.950
500-28652-H-11	7.792	-69.580	91.960	20.964
500-28656-L-1	7.995	-82.030	92.186	21.049
500-28656-L-2	7.907	-76.410	92.109	21.773
500-28656-L-3	7.914	-76.660	92.214	21.454
phc-2	7.061	-27.090	92.034	21.382
500-28656-L-4	7.808	-70.430	92.024	21.121
500-28656-L-5	7.848	-72.750	91.630	20.964
500-28656-L-6	7.901	-75.680	91.859	20.936
phc-3	7.092	-28.440	91.740	20.936

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CM 10-25-10

PC-Titrate For Windows

Exported Equation Results

Sample ID	palk	talk	ep1	ep2	svol	tcon
phc	0.000	1334.783	0.000	26.696	20.000	0.020
mb	0.000	1.087	0.000	0.022	20.000	0.020
lcs	90.851	97.899	1.817	1.958	20.000	0.020
500-28662-J-4	0.000	88.544	0.000	1.771	20.000	0.020
500-28662-J-5	0.000	88.700	0.000	1.774	20.000	0.020
500-28662-J-6	0.000	35.880	0.000	0.718	20.000	0.020
500-28662-J-7	0.000	15.501	0.000	0.310	20.000	0.020
500-28662-J-8	0.000	11.160	0.000	0.223	20.000	0.020
500-28652-H-1	0.000	77.550	0.000	1.551	20.000	0.020
500-28652-H-1 DU	0.000	65.067	0.000	1.301	20.000	0.020
500-28652-I-2	159.780	221.140	3.196	4.423	20.000	0.020
phc-1	0.000	1315.303	0.000	26.306	20.000	0.020
500-28652-I-3	0.000	228.832	0.000	4.577	20.000	0.020
500-28652-H-4	90.627	142.796	1.813	2.856	20.000	0.020
500-28652-H-6	0.000	342.777	0.000	6.856	20.000	0.020
500-28652-K-8	0.000	379.630	0.000	7.593	20.000	0.020
500-28652-H-9	0.000	441.684	0.000	8.834	20.000	0.020
500-28652-H-10	0.000	399.256	0.000	7.985	20.000	0.020
500-28652-H-11	0.000	367.636	0.000	7.353	20.000	0.020
500-28656-L-1	0.000	434.162	0.000	8.683	20.000	0.020
500-28656-L-2	0.000	380.905	0.000	7.618	20.000	0.020
500-28656-L-3	0.000	717.096	0.000	14.342	20.000	0.020
phc-2	0.000	1310.705	0.000	26.214	20.000	0.020
500-28656-L-4	0.000	417.869	0.000	8.357	20.000	0.020
500-28656-L-5	0.000	411.822	0.000	8.236	20.000	0.020
500-28656-L-6	0.000	399.771	0.000	7.995	20.000	0.020
phc-3	0.000	1357.142	0.000	27.143	20.000	0.020

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CM 10-25-10

PC-Titrate For Windows

Exported Equation Results

Sample ID	cond	pH	palk	talk	bcarb	carb	hydrx	flrd	Cl	NH3
phc	-1.000	7.010	0.000	1334.783	1334.783	0.000	0.000	-1.000	-1.000	-1.000
mb	-1.000	5.022	0.000	0.356	0.356	0.000	0.000	-1.000	-1.000	-1.000
lcs	-1.000	10.816	90.851	97.899	0.000	14.097	83.802	-1.000	-1.000	-1.000
500-28662-J-4	-1.000	7.753	0.000	88.544	88.544	0.000	0.000	-1.000	-1.000	-1.000
500-28662-J-5	-1.000	6.843	0.000	88.700	88.700	0.000	0.000	-1.000	-1.000	-1.000
500-28662-J-6	-1.000	6.550	0.000	35.880	35.880	0.000	0.000	-1.000	-1.000	-1.000
500-28662-J-7	-1.000	6.266	0.000	14.309	14.309	0.000	0.000	-1.000	-1.000	-1.000
500-28662-J-8	-1.000	6.326	0.000	9.832	9.832	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-1	-1.000	7.588	0.000	77.550	77.550	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-1 DU	-1.000	7.639	0.000	65.067	65.067	0.000	0.000	-1.000	-1.000	-1.000
500-28652-I-2	-1.000	11.253	159.780	221.140	0.000	122.720	98.421	-1.000	-1.000	-1.000
phc-1	-1.000	7.048	0.000	1315.303	1315.303	0.000	0.000	-1.000	-1.000	-1.000
500-28652-I-3	-1.000	7.768	0.000	228.832	228.832	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-4	-1.000	10.768	90.627	142.796	0.000	104.340	38.457	-1.000	-1.000	-1.000
500-28652-H-6	-1.000	7.694	0.000	342.777	342.777	0.000	0.000	-1.000	-1.000	-1.000
500-28652-K-8	-1.000	7.944	0.000	379.630	379.630	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-9	-1.000	7.712	0.000	441.684	441.684	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-10	-1.000	7.878	0.000	399.256	399.256	0.000	0.000	-1.000	-1.000	-1.000
500-28652-H-11	-1.000	7.792	0.000	367.636	367.636	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-1	-1.000	7.995	0.000	434.162	434.162	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-2	-1.000	7.907	0.000	380.905	380.905	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-3	-1.000	7.914	0.000	717.096	717.096	0.000	0.000	-1.000	-1.000	-1.000
phc-2	-1.000	7.061	0.000	1310.705	1310.705	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-4	-1.000	7.808	0.000	417.869	417.869	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-5	-1.000	7.848	0.000	411.822	411.822	0.000	0.000	-1.000	-1.000	-1.000
500-28656-L-6	-1.000	7.901	0.000	399.771	399.771	0.000	0.000	-1.000	-1.000	-1.000
phc-3	-1.000	7.092	0.000	1357.142	1357.142	0.000	0.000	-1.000	-1.000	-1.000

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CM 10-25-10

PC-Titrate For Windows

Exported Equation Results

Sample ID	palk	talk	ep1	ep2a	ep2b	svol	tcon
mb	0.000	0.356	0.000	0.022	0.036	20.000	0.020
500-28662-J-7	0.000	14.309	0.000	0.310	0.334	20.000	0.020
500-28662-J-8	0.000	9.832	0.000	0.223	0.250	20.000	0.020

General Chemistry Worksheet

Batch Number: 500-98038
Method: 310.1
Analyst: Moore, Colleen L

Date Open: Oct 21 2010 4:15PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	WCSTAK_00003
PHC~500-98038/1					InitialAmount is blank		
MB~500-98038/2		2320B			InitialAmount is blank		
LCS~500-98038/3		2320B		50 mL	Titrant1Normality is blank	50 mL	1000 uL
500-28662-J-4	9MW02101910	2320B	T		InitialAmount is blank		
500-28662-J-5	9MW01101910	2320B	T		InitialAmount is blank		
500-28662-J-6	9MW03101910	2320B	T		InitialAmount is blank		
500-28662-J-7	9MW04101910	2320B	T		InitialAmount is blank		
500-28662-J-8	BSOSMW06101910	2320B	T		InitialAmount is blank		
500-28652-H-1	VLF-MW-1	2320B	T		InitialAmount is blank		
500-28652-H-1~DU		2320B	T		InitialAmount is blank		
500-28652-I-2	VLF-MW-2	2320B	T		InitialAmount is blank		
PHC~500-98038/12					InitialAmount is blank		
500-28652-I-3	VLF-MW-3	2320B	T		InitialAmount is blank		
500-28652-H-4	VLF-MW-4	2320B	T		InitialAmount is blank		
500-28652-H-6	OLD-MW-4	2320B	T		InitialAmount is blank		
500-28652-K-8	VLF-MW-7	2320B	T		InitialAmount is blank		
500-28652-H-9	OLD-MW-9	2320B	T		InitialAmount is blank		
500-28652-H-10	VLF-MW-5	2320B	T		InitialAmount is blank		
500-28652-H-11	VLF-MW-6	2320B	T		InitialAmount is blank		
500-28656-L-1	MW-110	2320B	T		InitialAmount is blank		
500-28656-L-2	MW-109	2320B	T		InitialAmount is blank		
500-28656-L-3	MW-104	2320B	T		InitialAmount is blank		
PHC~500-98038/23					InitialAmount is blank		
500-28656-L-4	MW-103	2320B	T		InitialAmount is blank		
500-28656-L-5	MW-201	2320B	T		InitialAmount is blank		

P890 of 890
11/10/2010

General Chemistry Worksheet

Batch Number: 500-98038
Method: 310.1
Analyst: Moore, Colleen L

Date Open: Oct 21 2010 4:15PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	WCSTAK_00003
500-28656-L-6	DUP1	2320B	T		InitialAmount is blank		
PHC~500-98038/27					InitialAmount is blank		

Nominal Amount Used: 50 mL
Normality of first Titrant: 0.02 N

TestAmerica Chicago
Total Organic/Inorganic Carbon

Method:

EPA 415.1 _____
EPA 415.1, mod. for IC _____
SW846 9060 _____

Analytical Batch : 98316
Analytical Batch : _____
Prep Batch : _____

NCM #: _____

Instrument: ~~Phoenix 8000~~ FUSION TOC 5 DN 10/28/10 Calibration Range: 1.0 – 40.0 mg/L
Matrix: Water DN 10/28/10 Reporting Limit: 1.0 mg/L

Standard Curve: Date of Curve 9/28/10

Calculations:

Waters: mg/L = mg/L X dilution

Standards Traceability:
Stock I: Calibration and Curve: WCSTTC1 00031
Stock II: LCS, ICV, CCV, Matrix spikes WCSTTC2 00042
Stock II: TIC sparger check WSTTC2 00018

Spiking Levels:

LCS	10	mg/L
ICV	20	mg/L
CCV	10	mg/L
CCV (alt.)	–	mg/L
MS/MSD	10	mg/L
TIC check	10	mg/L

Comments:

Analyst: [signature] Date of analysis: 10/27/10

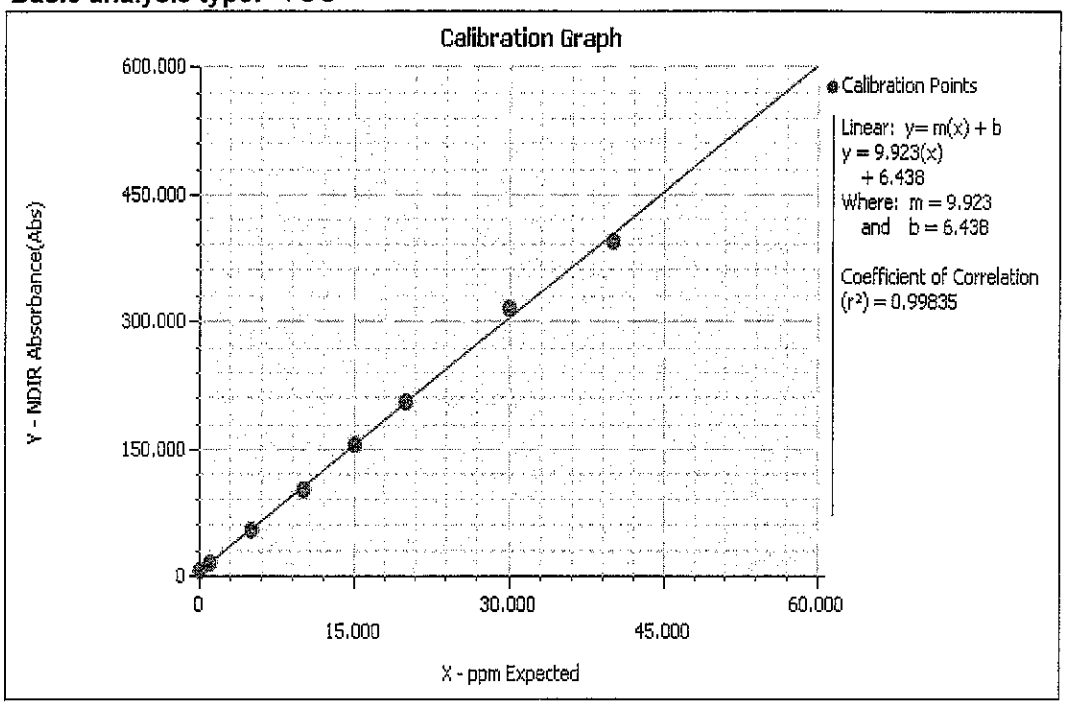
Reviewer: [signature] Date: 10/27/10

CHI-22-12-105/E-11/09

Name: 092810 TOC CAL

Analysis Type: TOC
Version: 1
Instrument: TOC Fusion #1
Last Saved by: Khona Deb (kd)
Last Saved on: 2010/09/28 10:06 - Tuesday

Basic analysis type: TOC



Data Points

Sample ID	Y Raw Value	X Expected	Message	End Time
0.000 ppm	6.8590	0.0000		2010/09/28 08:25
1.000 ppm	16.0850	1.0000		2010/09/28 08:35
5.000 ppm	54.6410	5.0000		2010/09/28 08:45
10.000 ppm	102.3720	10.0000		2010/09/28 08:55
15.000 ppm	155.4160	15.0000		2010/09/28 09:05
20.000 ppm	205.8100	20.0000		2010/09/28 09:15
30.000 ppm	316.1560	30.0000		2010/09/28 09:25
40.000 ppm	394.8210	40.0000		2010/09/28 09:34

Fusion Report - 102710 TOC
Wednesday, October 27, 2010 01:22 PM

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2010/10/27 17:20 - Wednesday

Report Summary Information

Company Location:			
Schedule Name:	102710 TOC	Engine Version:	1.1.0.189
Instrument Name:	TOC Fusion #1	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	RS232 COM1
Report Creation by Operators (schedule version):	Khona Deb (kd) (v1)		
Comment:	98316		

Report Results

Sample Type: Clean — From Schedule Version 1

	Pos	Analysis Type	Sample ID	Start Time
◈	(clean)		Clean	2010/10/27 13:22

Rep #	Base Analysis Type	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	IC Clean	6.24	19.45	13.21	49.82	05:17
2	TC Clean	28.96	27.66	-1.30	50.46	03:59
3	TC Clean	11.07	10.16	-0.91	50.32	03:47
4	TC Clean	7.30	6.21	-1.09	50.83	03:49

Sample Type: Clean — From Schedule Version 1

	Pos	Analysis Type	Sample ID	Start Time
◈	(clean)		Clean	2010/10/27 13:44

Rep #	Base Analysis Type	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	IC Clean	2.21	1.01	-1.20	49.93	05:18
2	TC Clean	14.10	12.88	-1.23	50.75	03:55
3	TC Clean	6.08	5.24	-0.84	50.87	03:43
4	TC Clean	4.37	3.28	-1.09	49.86	03:39

Sample Type: Sample From Schedule Version 1

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	1	TOC	TIC-STD	0.4227 ppm	0.0000 ppm	0.0000%	2010/10/27 14:05

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.4227	1.6907	8.49	7.59	-0.90	50.38	05:57

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Sample Type: Check Standard --> ICV From Schedule Version 1

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	A	TOC	20.0000	1:1	[TOC] ICV [20.000 ppm]	17.0000 / 23.0000 (85% / 115%)	19.6143 ppm (PASS)	0.0000 ppm	0%	2010/10/27 14:15

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
A	TOC	20.000 ppm	1	19.6143	78.4570	201.07	200.58	-0.49	50.44	05:55

Completion State	Success Action	Method	Calibration	STD Conc - Pos A
Success - Criteria met.	Halt	TOC 1-40ppm (v2)	TOC 082510 (v9)	20 ppmC

Sample Type: Sample From Schedule Version 1

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	B	TOC	ICB	0.3030 ppm	0.0000 ppm	0.0000%	2010/10/27 14:25

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.3030	1.2118	7.30	6.89	-0.41	50.42	05:55

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	2	TOC	MB	0.3101 ppm	0.0353 ppm	11.3800%	2010/10/27 14:35

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.2851	1.1405	7.12	6.36	-0.76	50.27	05:56
2	TOC	0.3350	1.3400	7.62	6.71	-0.91	50.38	05:54

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

		Analysis			Std. Dev.		

	Pos	Type	Sample ID	Result (ppmC)	(ppmC)	RSD	Start Time
◈	3	TOC	LCS	8.6138 ppm	0.0321 ppm	0.3700%	2010/10/27 14:51

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	8.5910	34.3642	89.54	88.71	-0.83	50.56	05:59
2	TOC	8.6365	34.5460	89.99	89.42	-0.57	50.51	05:57

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Dilution was made, since sample was preserved with HCl KD 10/28/10

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	4	TOC	500-28713-E-1 2	19.2180 ppm	0.0665 ppm	0.3500%	2010/10/27 15:08

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	19.2651	77.0602	195.46	194.81	-0.65	49.91	05:58
2	TOC	19.1710	76.6841	194.52	197.47	2.95	50.55	05:53

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	5	TOC	500-28713-M-2	12.4672 ppm	0.2096 ppm	1.6800%	2010/10/27 15:24

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	12.6154	50.4617	129.47	129.57	0.10	50.33	05:57
2	TOC	12.3190	49.2761	126.53	127.39	0.86	50.35	05:53

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	6	TOC	500-28713-M-3	4.5190 ppm	0.2322 ppm	5.1400%	2010/10/27 15:40

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	4.6832	18.7327	50.76	50.34	-0.42	50.62	05:55
2	TOC	4.3547	17.4190	47.50	47.26	-0.25	49.86	05:55

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	7	TOC	500-28713-M-4	2.6078 ppm	0.2611 ppm	10.0100%	2010/10/27 15:57

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	2.7924	11.1695	32.00	31.48	-0.52	50.60	05:57
2	TOC	2.4231	9.6925	28.34	27.87	-0.47	50.02	05:57

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	8	TOC	500-28713-M-5	1.6625 ppm	0.1427 ppm	8.5800%	2010/10/27 16:13

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	1.7633	7.0533	21.79	21.23	-0.56	50.37	05:55
2	TOC	1.5616	6.2463	19.79	18.99	-0.79	50.66	05:59

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	9	TOC	500-28713-M-6	4.1280 ppm	0.1279 ppm	3.1000%	2010/10/27 16:29

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	4.2185	16.8739	46.15	45.73	-0.43	50.65	05:58
2	TOC	4.0376	16.1504	44.36	43.70	-0.66	50.65	05:56

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	10	TOC	500-28713-M-6 MS	13.7531 ppm	0.0000 ppm	0.0000%	2010/10/27 16:46

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	13.7531	55.0124	140.76	140.20	-0.56	50.67	05:58

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Sample Type: Check Standard --> CCV From Schedule Version 1

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	C	TOC	10.0000	1:1	[TOC] CCV [10.000 ppm]	8.5000 / 11.5000 (85% / 115%)	8.5508 ppm (.PASS)	0.0000 ppm	0%	2010/10/27 16:56

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
C	TOC	10.000 ppm	1	8.5508	34.2034	91.29	90.68	-0.61	49.98	05:53

Completion State	Success Action	Method	Calibration	STD Conc - Pos C
Success - Criteria met.	Do Nothing	TOC 1-40ppm (v2)	TOC 082510 (v9)	10 ppmC

Instrument stopped due to
tower outage cleaned before
restarting KD 10/28/10

Fusion Report - 102710 TOC
Wednesday, October 27, 2010 05:29 PM

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2010/10/28 06:49 - Thursday

Report Summary Information

Company Location:			
Schedule Name:	102710 TOC	Engine Version:	1.1.0.189
Instrument Name:	TOC Fusion #1	Firmware Version:	1.2.0696
Report Version:	1 of 1	Connection:	RS232 COM1
Report Creation by Operators (schedule version):	Khona Deb (kd) (v2)		
Comment:			

Report Results

Sample Type: Clean — From Schedule Version 2

	Pos	Analysis Type	Sample ID	Start Time
◈	(clean)		Clean	2010/10/27 17:29

Rep #	Base Analysis Type	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	IC Clean	15.53	15.12	-0.41	50.25	05:15
2	TC Clean	40.43	39.27	-1.17	51.00	03:58
3	TC Clean	5.44	4.67	-0.78	50.35	03:41
4	TC Clean	3.50	2.65	-0.85	50.84	03:43

Sample Type: Sample — From Schedule Version 2

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	B	TOC	CCB	0.2148 ppm	0.0000 ppm	0.0000%	2010/10/27 17:50

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.2148	0.8591	6.42	5.82	-0.60	50.66	05:56

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	10	TOC	500-28713-M-6 MSD	13.4217 ppm	0.0000 ppm	0.0000%	2010/10/27 18:00

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	13.4217	53.6870	137.47	136.89	-0.59	49.94	05:55

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	11	TOC	500-28713-M-7	4.1724 ppm	0.1608 ppm	3.8500%	2010/10/27 18:10

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	4.2861	17.1444	46.82	46.37	-0.45	50.66	05:54
2	TOC	4.0587	16.2346	44.57	44.24	-0.33	50.04	05:54

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	12	TOC	500-28713-M-8	6.8326 ppm	0.1994 ppm	2.9200%	2010/10/27 18:26

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	6.9736	27.8942	73.49	73.49	0.00	50.53	05:55
2	TOC	6.6916	26.7663	70.69	70.66	-0.03	50.61	05:56

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	13	TOC	500-28713-M-9	6.9108 ppm	0.2751 ppm	3.9800%	2010/10/27 18:43

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	7.1054	28.4215	74.80	74.21	-0.59	50.00	05:54
2	TOC	6.7163	26.8651	70.94	71.04	0.10	50.14	05:51

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	14	TOC	500-28713-M-10	9.3701 ppm	0.3445 ppm	3.6800%	2010/10/27 18:59

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	9.6136	38.4546	99.69	99.39	-0.30	49.97	05:53
2	TOC	9.1265	36.5059	94.85	94.84	-0.01	50.29	05:50

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time

◈	15	TOC	500-28652-A-1	5.7481 ppm	0.0372 ppm	0.6500%	2010/10/27 19:15

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	5.7218	22.8872	61.07	60.10	-0.97	49.92	05:55
2	TOC	5.7744	23.0976	61.59	61.58	-0.01	50.14	05:50

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	16	TOC	500-28652-A-4	45.8028 ppm	0.5162 ppm	1.1300%	2010/10/27 19:31

average
BV 10/28/10

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	45.4378	181.7513	455.16	454.62	-0.54	50.24	05:53
2	TOC	46.1679	184.6714	462.41	465.91	3.50	50.16	05:53

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	17	TOC	500-28652-A-6	3.8069 ppm	0.2968 ppm	7.8000%	2010/10/27 19:47

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	4.0167	16.0669	44.15	44.21	0.07	50.10	05:52
2	TOC	3.5970	14.3880	39.98	39.47	-0.51	50.03	05:55

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	18	TOC	500-28652-D-8	4.2238 ppm	0.2826 ppm	6.6900%	2010/10/27 20:04

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	4.4237	17.6947	48.19	47.55	-0.64	50.29	05:55
2	TOC	4.0240	16.0959	44.22	43.92	-0.30	50.38	05:52

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	19	TOC	500-28652-A-9	1.8244 ppm	0.4834 ppm	26.5000%	2010/10/27 20:20

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	2.1661	8.6646	25.79	25.19	-0.59	50.39	05:52
2	TOC	1.4826	5.9303	19.00	18.63	-0.37	50.12	05:50

Dilution	Blank Contribution	Method	Calibration

1:3 4.2918 (v3) TOC 1-40ppm (v2) TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	20	TOC	500-28652-A-10	2.1076 ppm	0.2485 ppm	11.7900%	2010/10/27 20:36

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	2.2833	9.1334	26.95	26.31	-0.64	49.99	05:53
2	TOC	1.9319	7.7277	23.46	22.91	-0.55	50.10	05:56

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Sample Type: Check Standard --> CCV From Schedule Version 2

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	C	TOC	10.0000	1:1	[TOC] CCV [10.000 ppm]	8.5000 / 11.5000 (85% / 115%)	9.8333 ppm (PASS)	0.0000 ppm	0%	2010/10/27 20:52

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
C	TOC	10.000 ppm	1	9.8333	39.3334	104.01	103.44	-0.57	50.19	05:53

Completion State	Success Action	Method	Calibration	STD Conc - Pos C
Success - Criteria met.	Do Nothing	TOC 1-40ppm (v2)	TOC 082510 (v9)	10 ppmC

Sample Type: Sample From Schedule Version 2

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	B	TOC	CCB	0.2297 ppm	0.0000 ppm	0.0000%	2010/10/27 21:02

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.2297	0.9188	6.57	6.11	-0.46	50.22	05:54

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	21	TOC	500-28652-A-11	2.8367 ppm	0.2360 ppm	8.3200%	2010/10/27 21:12

KD 10/28/10

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	3.0036	12.0144	34.10	33.67	-0.43	50.19	05:52
2	TOC	2.6698	10.6793	30.78	30.20	-0.58	50.34	05:52

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

NOT Reported not bracketed KD 10/28/10

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	22	TOC	500-28685-B-1	0.0000 ppm	0.0000 ppm	0.0000%	2010/10/27 21:28

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.0000	0.0000	-1049.21	-1049.46	-0.25	50.24	05:52
2	TOC	0.0000	0.0000	-3382.21	-3364.81	17.40	50.39	05:50

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Not reported instrument stopped

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	23	TOC	500-28686-B-1	0.0000 ppm	0.0000 ppm	0.0000%	2010/10/27 22:01

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.0000	0.0000	-2.72	0.00	2.72	0.00	00:43

Dilution	Blank Contribution	Method	Calibration
1:3	4.2918 (v3)	TOC 1-40ppm (v2)	TOC 082510 (v9)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v3	0.0000	0.0000	0.0000	0.0000	0.0000	2010/08/25 17:06	Khona Deb (kd)

Calibrations

Name: TOC 082510 (TOC)

Version: v9

Ver Creation: 2010/09/28 09:35

Comment:

Operator: Khona Deb (kd)

Basic Analysis Type: TOC

Calibration curve formula: TOC: $y = 9.923x + 6.438$

r^2 value: TOC: $r^2 = 0.99835$

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
0.000 ppm	6.8590	0.0000		2010/09/28 08:25
1.000 ppm	16.0850	1.0000		2010/09/28 08:35
5.000 ppm	54.6410	5.0000		2010/09/28 08:45

General Chemistry Worksheet

Batch Number: 500-98316
Method: 415.1
Analyst: Deb, Khona

Date Open: Oct 27 2010 2:15PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WCSTTC1_00031	WCSTTC2_00043
ICV~500-98316/1		9060		200 mL	200 mL		2000 uL
ICB~500-98316/2		9060					
MB~500-98316/3		9060					
LCS~500-98316/4		9060		200 mL	200 mL		1000 uL
500-28713-E-1	MW202	9060	T				
500-28713-M-2	MW106	9060	T				
500-28713-M-3	MW105	9060	T				
500-28713-M-4	MWA	9060	T				
500-28713-M-5	MW108	9060	T				
500-28713-M-6	MW101	9060	T				
500-28713-M-6~MS	MW101	9060	T	40 mL	40 mL		200 uL
CCV~500-98316/12		9060		200 mL	200 mL	1000 uL	
CCB~500-98316/13		9060					
500-28713-M-6~MS	MW101	9060	T	40 mL	40 mL		200 uL
500-28713-M-7	DUP2	9060	T				
500-28713-M-8	MW102	9060	T				
500-28713-M-9	MW205	9060	T				
500-28713-M-10	MW206	9060	T				
500-28652-A-1	VLF-MW-1	5310C	T				
500-28652-A-4	VLF-MW-4	5310C	T				
500-28652-A-6	OLD-MW-4	5310C	T				
500-28652-D-8	VLF-MW-7	5310C	T				
500-28652-A-9	OLD-MW-9	5310C	T				
500-28652-A-10	VLF-MW-5	5310C	T				
CCV~500-98316/25		5310C		200 mL	200 mL	1000 uL	

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11/10/2010

General Chemistry Worksheet

Batch Number: 500-98316
Method: 415.1
Analyst: Deb, Khona

Date Open: Oct 27 2010 2:15PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WCSTTC1_00031	WCSTTC2_00043
CCB~500-98316/26		5310C					

TestAmerica Chicago
Total Organic/Inorganic Carbon

Method:

EPA 415.1 _____
EPA 415.1, mod. for IC _____
SW846 9060 _____

Analytical Batch : 98368/98371
Analytical Batch : _____
Prep Batch : _____

NCM #: _____

Instrument: Phoenix 8000 TOC 3
Matrix: Water

Calibration Range: 1.0 – 40.0 mg/L
Reporting Limit: 1.0 mg/L

Standard Curve: Date of Curve 10/8/10

Calculations:

Waters: mg/L = mg/L X dilution

Standards Traceability:
Stock I: Calibration and Curve: WCSTTC1-00031
Stock II: LCS, ICV, CCV, Matrix spikes WCSTTC2-00043
Stock II: TIC sparger check WSTTC2-00018

Spiking Levels:

LCS	10	mg/L
ICV	20	mg/L
CCV	10	mg/L
CCV (alt.)	–	mg/L
MS/MSD	10	mg/L
TIC check	10	mg/L

Comments:

Analyst: Khozatsky Date of analysis: 10/28/10

Reviewer: [illegible] Date: 10/28/10

CHI-22-12-105/E-11/09

Calibration Report Print Date/Time: 2010/10/28 13:27:15

Cal. Curve ID: TOCCURVE
Created: 10/08/2010 10:06
Calibration Factor (m): 2.786e+05
Y Intercept (b): 478438
r-squared: 0.99876

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
0	1160311	0.000	2.448		10/08/2010 08:27
1	1456706	4.000	3.512		10/08/2010 08:34
5	5769232	20.000	18.992		10/08/2010 08:43
10	11306278	40.000	38.868		10/08/2010 08:52
15	16639410	60.000	58.012		10/08/2010 09:02
20	22821552	80.000	80.204		10/08/2010 09:12
30	34909960	120.000	123.597		10/08/2010 09:25
40	44595828	160.000	158.366	Over-range	10/08/2010 09:36

Multiple Analysis Report Print Date/Time: 2010/10/28 13:27:30

Sample ID	Result	Std. Dev.	RSD	Mode	ALT	Method ID	Sample Type	Vial	Timestamp	Message
TIC-STD	-0.0665			TOC		TOC Range 0.1 - 20 p	Sample	1	10/28/2010 08:55	
ICV	21.6248			TOC		TOC Range 0.1 - 20 p	Sample	2	10/28/2010 09:06	
ICB	0.1735			TOC		TOC Range 0.1 - 20 p	Sample	3	10/28/2010 09:13	
MB.....	0.0497...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 4..	10/28/2010 09:20.	
MB	0.0251			TOC		TOC Range 0.1 - 20 p	Sample	4	10/28/2010 09:28	
LCS	10.0353			TOC		TOC Range 0.1 - 20 p	Sample	5	10/28/2010 09:37	
LCS.....	10.2092...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 5..	10/28/2010 09:47.	
500-28353-b-2	6.6641			TOC		TOC Range 0.1 - 20 p	Sample	6	10/28/2010 09:56	
500-28353-b-2	7.7250			TOC		TOC Range 0.1 - 20 p	Sample	6	10/28/2010 10:04	
500-28353-b-18.....	9.7201...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 7..	10/28/2010 10:14.	
500-28353-b-18	10.1245			TOC		TOC Range 0.1 - 20 p	Sample	7	10/28/2010 10:24	
500-28353-b-20	8.1803			TOC		TOC Range 0.1 - 20 p	Sample	8	10/28/2010 10:34	
500-28353-b-20.....	8.1432...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 8..	10/28/2010 10:44.	
500-28353-a-25	7.5082			TOC		TOC Range 0.1 - 20 p	Sample	9	10/28/2010 10:54	
500-28353-a-25	7.4005			TOC		TOC Range 0.1 - 20 p	Sample	9	10/28/2010 11:04	
CCV.....	10.2985...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 10..	10/28/2010 11:13.	
CCB	0.1610			TOC		TOC Range 0.1 - 20 p	Sample	11	10/28/2010 11:21	
720-31394-D-1 2	7.4587			TOC		TOC Range 0.1 - 20 p	Sample	12	10/28/2010 11:32	
720-31394-D-1 2.....	7.6205...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 12..	10/28/2010 11:43.	
720-31409-f-1	4.8161			TOC		TOC Range 0.1 - 20 p	Sample	13	10/28/2010 11:53	
720-31409-f-1	4.5206			TOC		TOC Range 0.1 - 20 p	Sample	13	10/28/2010 12:03	
720-31409-f-1 MS.....	15.8185...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 14..	10/28/2010 12:13.	
720-31409-f-1 MSD	15.5421			TOC		TOC Range 0.1 - 20 p	Sample	14	10/28/2010 12:24	
720-31396-f-1 2	19.9976			TOC		TOC Range 0.1 - 20 p	Sample	15	10/28/2010 12:34	
720-31396-f-1 2.....	20.9871...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 15..	10/28/2010 12:45.	
500-28652-a-4 2	23.3300			TOC		TOC Range 0.1 - 20 p	Sample	16	10/28/2010 12:55	
500-28652-a-4 2	23.3707			TOC		TOC Range 0.1 - 20 p	Sample	16	10/28/2010 13:05	
CCV.....	10.6953...	..	...	TOC	..	TOC Range 0.1 - 20 p...	Sample	.. 17..	10/28/2010 13:15.	
CCB	0.3284			TOC		TOC Range 0.1 - 20 p	Sample	18	10/28/2010 13:23	

Sample ID: TIC-STD
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 08:55
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	-0.0665	-0.2661	185882	5.173	6.164	85

Sample ID: ICV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:06
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	21.6248	86.4991	24356760	5.526	6.525	269

Sample ID: ICB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1735	0.6940	453353	5.466	6.464	86

Sample ID: MB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:20
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.0497	0.1989	315427	5.408	6.398	83

Sample ID: MB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:28
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.0251	0.1005	288020	5.409	6.405	81

Sample ID: LCS
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:37
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.0353	40.1411	11442437	5.403	6.396	204

Sample ID: LCS
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:47
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.2092	40.8369	11636277	5.485	6.483	239

Sample ID: 500-28353-b-2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 09:56
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.6641	26.6565	7685940	5.556	6.555	158

Sample ID: 500-28353-b-2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.7250	30.9001	8868096	5.627	6.624	162

Sample ID: 500-28353-b-18
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:14
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.7201	38.8802	11091202	5.634	6.634	235

Sample ID: 500-28353-b-18
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:24
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.1245	40.4981	11541911	5.441	6.440	244

Sample ID: 500-28353-b-20
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	8.1803	32.7211	9375404	5.413	6.411	241

Sample ID: 500-28353-b-20
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:44
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	8.1432	32.5727	9334067	5.445	6.441	247

Sample ID: 500-28353-a-25
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 10:54
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.5082	30.0329	8626537	5.509	6.505	231

Sample ID: 500-28353-a-25
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.4005	29.6020	8506484	5.431	6.430	242

Sample ID: CCV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.2985	41.1938	11735710	5.577	6.577	205

Sample ID: CCB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:21
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1610	0.6440	439428	5.565	6.561	90

Dilution was made due to Limited sample, KD 10/28/10

Sample ID: 720-31394-D-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:32
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.4587	29.8347	8571320	5.452	6.450	323

Sample ID: 720-31394-D-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:43
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.6205	30.4819	8751601	5.576	6.576	293

Sample ID: 720-31409-f-1
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 11:53
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.8161	19.2642	5626614	5.570	6.568	245

Sample ID: 720-31409-f-1
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.5206	18.0824	5297371	5.607	6.606	235

Sample ID: 720-31409-f-1 MS
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15.8185	63.2741	17886804	5.514	6.511	285

Sample ID: 720-31409-f-1 MSD
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:24
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15.5421	62.1686	17578824	5.597	6.597	287

Sample ID: 720-31396-f-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	19.9976	79.9906	22543636	5.580	6.578	263

Sample ID: 720-31396-f-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:45
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	20.9871	83.9484	23646194	5.637	6.636	264

Sample ID: 500-28652-a-4 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 12:55
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23.3300	93.3198	26256876	5.564	6.564	256

Sample ID: 500-28652-a-4 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 13:05
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23.3707	93.4828	26302276	5.639	6.639	243

Sample ID: CCV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 10280848
Timestamp: 10/28/2010 13:15
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.6953	42.7813	12177961	5.598	6.597	240

Sample ID: CCB
Mode: TOC

Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Filename: 10280848
Timestamp: 10/28/2010 13:23
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3284	1.3135	625922	5.564	6.564	95

General Chemistry Worksheet

h Number: 500-98368
od: SM 5310C
yst: Deb, Khona

Date Open: Oct 28 2010 9:06AM
Batch End:

ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WCSTTC1_00031	WCSTTC2_00043
~500-98368/1		SM5310_DOC_C		200 mL		2000 uL
~500-98368/2		SM5310_DOC_C				
-500-98368/3		SM5310_DOC_C				
;~500-98368/4		SM5310_DOC_C		200 mL		1000 uL
-28353-B-2	G20S	SM5310_DOC_C	D			
-28353-B-18	G48S	SM5310_DOC_C	D			
-28353-B-20	G47S	SM5310_DOC_C	D			
-28353-A-25	G30S	SM5310_DOC_C	D			
/~500-98368/9		SM5310_DOC_C		200 mL	1000 uL	
3~500-98368/10		SM5310_DOC_C				

General Chemistry Worksheet

ı Number: 500-98371
od: 415.1
/st: Deb, Khona

Date Open: Oct 28 2010 9:06AM
Batch End:

ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WCSTTC1_00031	WCSTTC2_00043
~500-98371/1		5310C		200 mL	200 mL		2000 uL
~500-98371/2		5310C					
·500-98371/3		5310C					
~500-98371/4		5310C		200 mL	200 mL		1000 uL
/~500-98371/5		5310C		200 mL	200 mL	1000 uL	
;~500-98371/6		5310C					
·31394-D-1		5310C	T				
·31409-F-1		5310C	T				
·31409-F-1~MS		5310C	T	40 mL	40 mL		200 uL
·31409-F-1~MS		5310C	T	40 mL	40 mL		200 uL
·31396-F-1		5310C	T				
·28652-A-4	VLF-MW-4	5310C	T				
/~500-98371/13		5310C		200 mL	200 mL	1000 uL	
;~500-98371/14		5310C					

TestAmerica Chicago
Cover Page - Ion Chromatograph

LIMS Batch: 98736 **FILE ID:** 2010110 l .csv

Calibration Date: 10/28/10

Instrument: (Circle)	
a. IC4: Dionex Series DX-120	DX120.met
b. IC3: Dionex Series DX-100	DX100.met

Standard Traceability

Note: Working Standards are prepared daily from the noted Stock Solutions.

Test	Calibration Curve Stock ID	LCS (ICV-CCV1)/CCV2 MS Stock ID	LCS mg/L	(ICV-CCV1)/CCV2 mg/L	MS mg/L
Fluoride	WSTICF1-00003	WSTICF2-00005	1.0	1.0 / 0.6	1.0
Chloride	WSTICCL1-00004	WSTICCL2-00004	3.0	3.0 / 1.0	3.0
Nitrite-N	WSTICNI1-00003	WSTICNI2-00014	2.0	2.0 / 1.0	2.0
Bromide	WSTICBR1-00003	WSTICBR2-00003	2.0	2.0 / 1.0	2.0
Nitrate-N	WSTICNO31-00002	WSTICNO32-0006	2.0	2.0 / 1.0	2.0
O-PO4	WSTICP1-00003	WSTICP2-00003	2.0	2.0 / 1.0	2.0
Sulfate	WSTICS1-00004	WSTICS2-00004	5.0	5.0 / 2.5	5.0

Test	Range of Curve (mg/L)
Fluoride	0.20 - 2.0
Chloride	0.20 - 7.5
Nitrite-N	0.10 - 5.0
Bromide	0.20 - 5.0
Nitrate-N	0.10 - 4.0
O-PO4	0.20 - 4.0
Sulfate	0.20 - 10.0

IC Data Qualifiers used by the analyst in the raw data evaluation.

CE = Co-Elution or masking of peak(s) has been identified

OR = Over Range - Peak exceeds the highest standard of the calibration curve

OD = Over Dilution - The ion is reported from a less dilute injection

NR = Not Required - analysis was not required for this ion

AD = Analyst Discretion was used in the evaluation and the reporting of the ion

RE = Reported Elsewhere

RT = Retention Time Shift

Analyst Signature: _____ Date: 11/2/10

Reviewer Signature: _____ Date: 11/2/10

TestAmerica Chicago

Retention Time Window Summary Table

Instrument:	IC4: DX-120	Method: DX120.met
Batch:	98736	
Date:	11/2/2010	

Analyst:	Pete Ficarello

Parameter	ICV RT Minutes	RT Window +/- 5 %	
Fluoride	2.90	2.76	3.05
Chloride	4.08	3.88	4.28
Nitrite	4.78	4.54	5.02
Bromide	6.02	5.72	6.32
Nitrate	6.72	6.38	7.06
Orthophosphate	8.30	7.89	8.72
Sulfate	9.75	9.26	10.24

Analyst Signature: _____ Date: 11/2/10

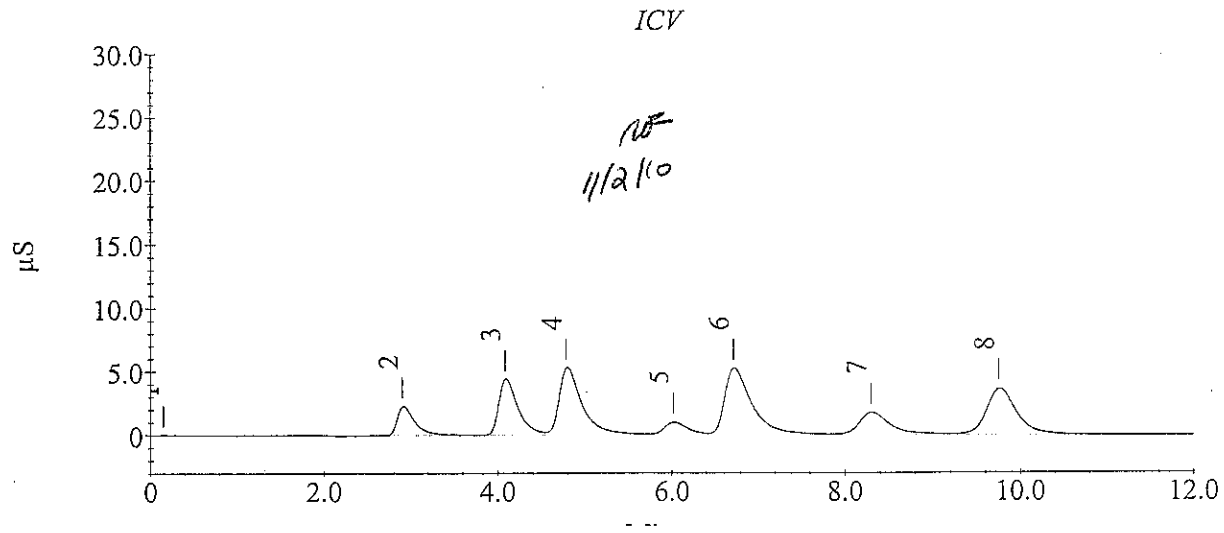
Sample Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\20101101\D5910_004.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:17:31 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 4

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.90	1.0306	334490	22541
3	CHLORIDE	4.08	3.0167	676432	44076
4	NITRITE	4.78	1.8395	984306	52723
5	BROMIDE	6.02	1.9033	196119	10170
6	NITRATE	6.72	1.9577	1178467	52458
7	OrthophosP	8.30	1.8248	458734	17942
8	SULFATE	9.75	5.0485	891248	36352



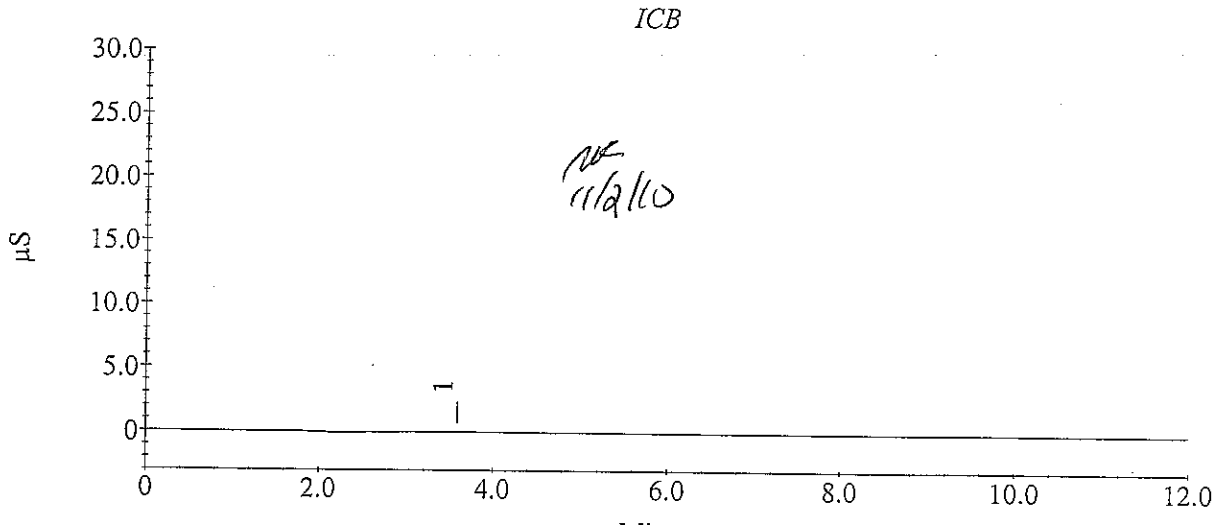
Sample Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\20101101\D5910_005.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:31:51 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 5

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



11/2/10

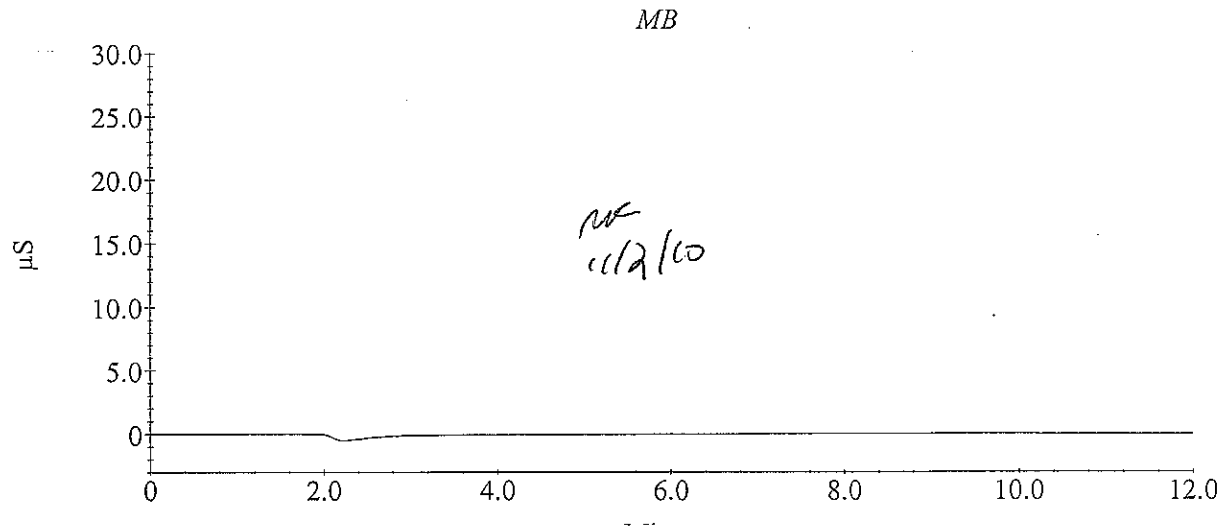
Sample Analysis Report

Sample Name : MB
Data File Name : c:\peaknet\data\20101101\D5910_006.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:46:15 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 6

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



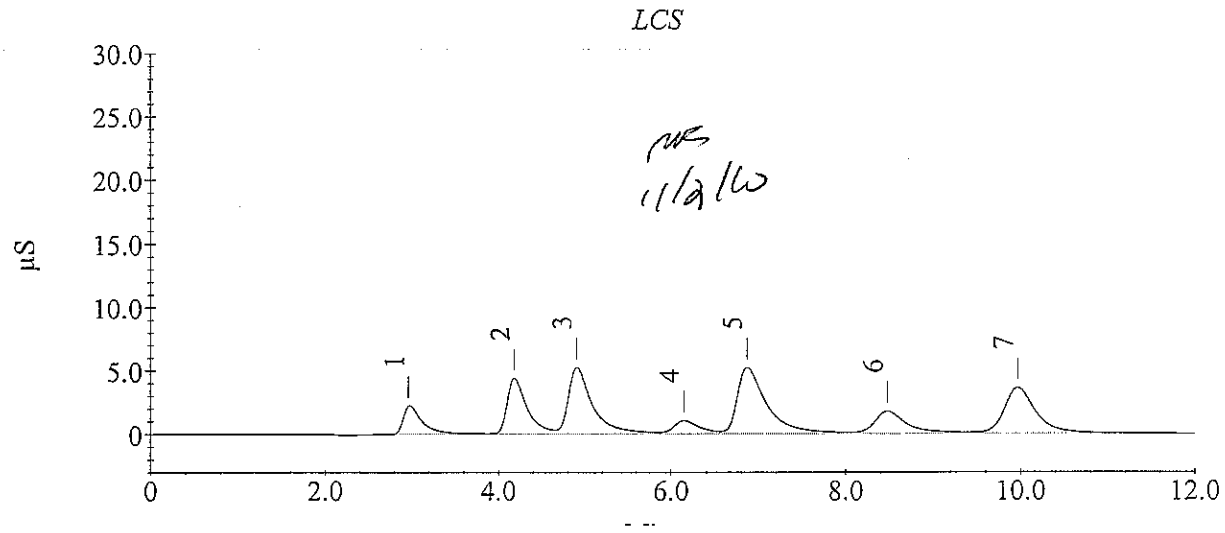
Sample Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\20101101\D5910_007.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:00:35 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 7

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.97	1.0199	330886	21836
2	CHLORIDE	4.18	3.0736	689574	43442
3	NITRITE	4.90	1.9143	1025577	52132
4	BROMIDE	6.15	2.0013	206126	10222
5	NITRATE	6.87	2.0264	1220705	51821
6	OrthophosP	8.48	1.8473	464067	17611
7	SULFATE	9.97	5.0988	900347	35895



Sample Analysis Report

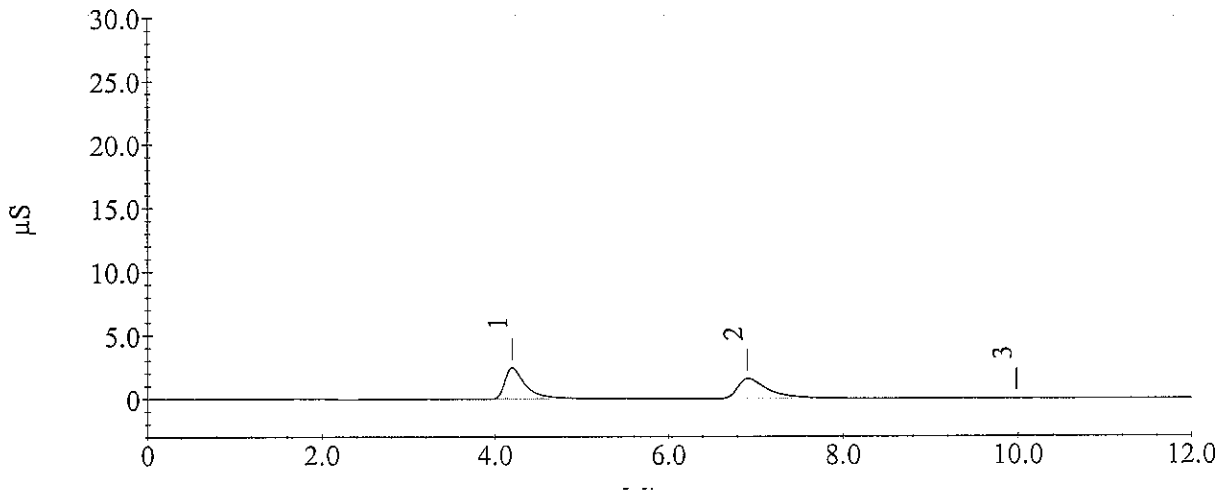
Sample Name : 500-28662-I-8
Data File Name : C:\PEAKNET\DATA\20101101\D5910_008.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 9:14:53 AM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 8

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE CHLORIDE NITRITE	4.20	18.7532	412602	24323
2	BROMIDE NITRATE	6.92	6.5486	376877	15720
3	OrthophosP SULFATE	9.98	1.4249	4701	229

500-28662-I-8



Sample Analysis Report

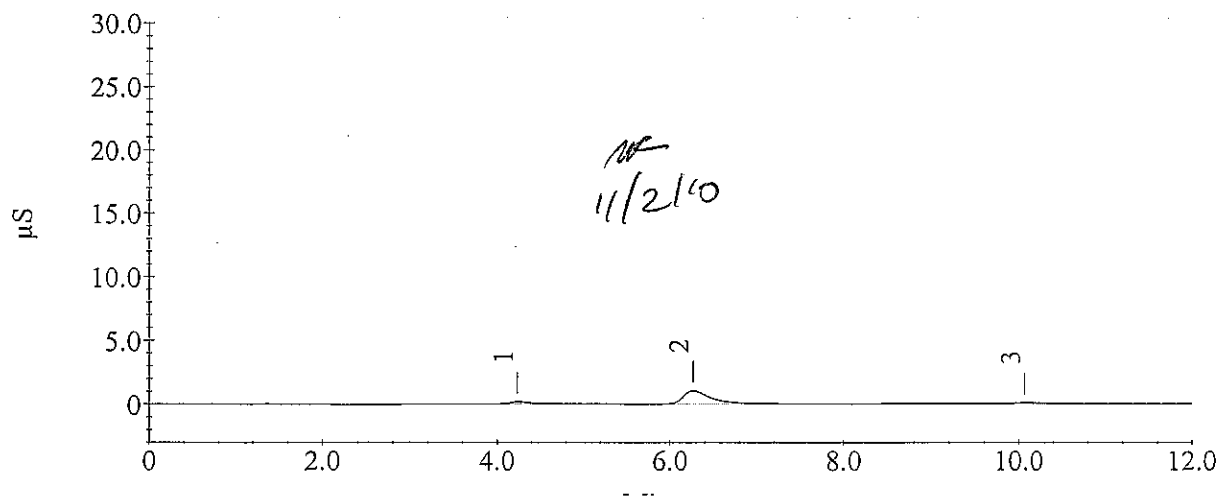
Sample Name : 500-28847-A-2
Data File Name : c:\peaknet\data\20101101\D5910_009.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:29:12 AM
System Operator : Pete Ficarello
Dilution Factor : 5000.00
Injection Number : 9

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE CHLORIDE NITRITE	4.23	999.8526	25354	1606
2	BROMIDE NITRATE	6.27	11545.1455	237566	10495
3	OrthophosP SULFATE	10.07	1252.0780	24204	958

500-28847-A-2



11/2/10

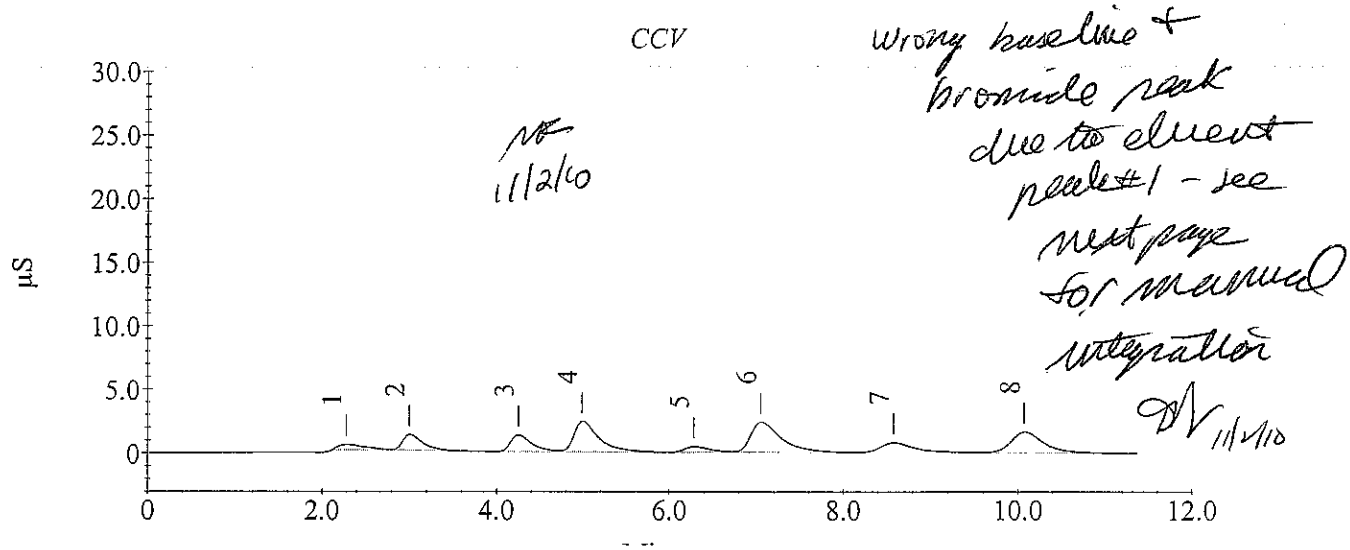
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_010.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:43:32 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 10

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	0.5936	186605	11969
3	CHLORIDE	4.25	1.0408	219705	12871
4	NITRITE	4.98	0.9295	482584	23719
	BROMIDE				
5	NITRATE	6.28	0.1860	88417	4386
7	OrthophosP	8.58	0.8386	224512	7926
8	SULFATE	10.07	2.5362	437260	16367



Wrong baseline + bromide peak due to eluent peak #1 - see next page for manual integration DV 11/2/10

NB 11/2/10

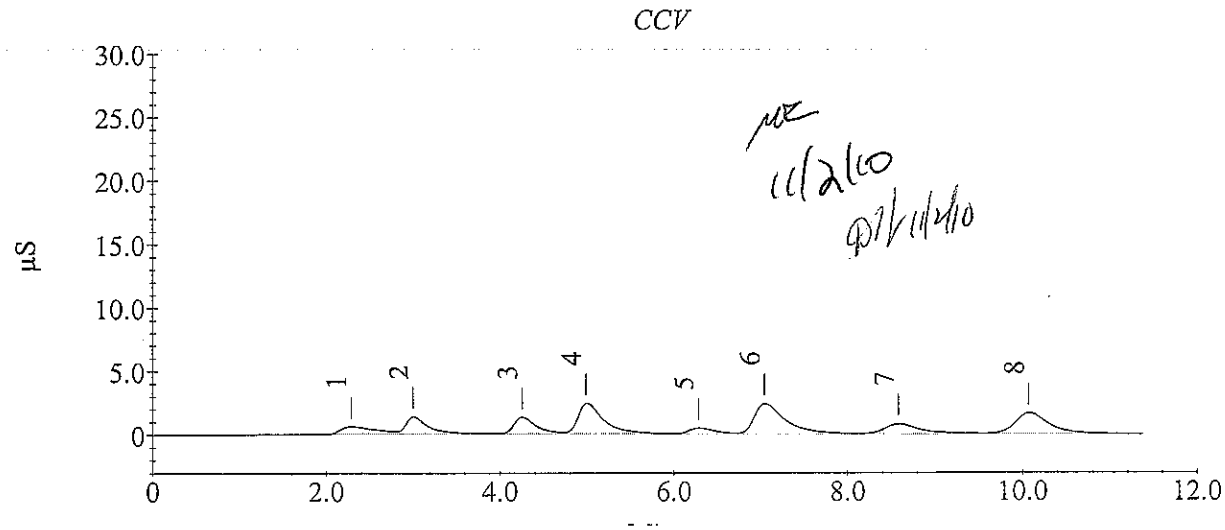
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101101\D5910_010.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:43:32 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 10

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	0.7833	250787	13365
3	CHLORIDE	4.25	1.0790	228535	13070
4	NITRITE	4.98	0.9521	495041	23898
5	BROMIDE	6.28	0.9095	94593	4528
6	NITRATE	7.05	1.0050	592314	23807
7	OrthophosP	8.58	0.8634	230395	8003
8	SULFATE	10.07	2.5505	439850	16402



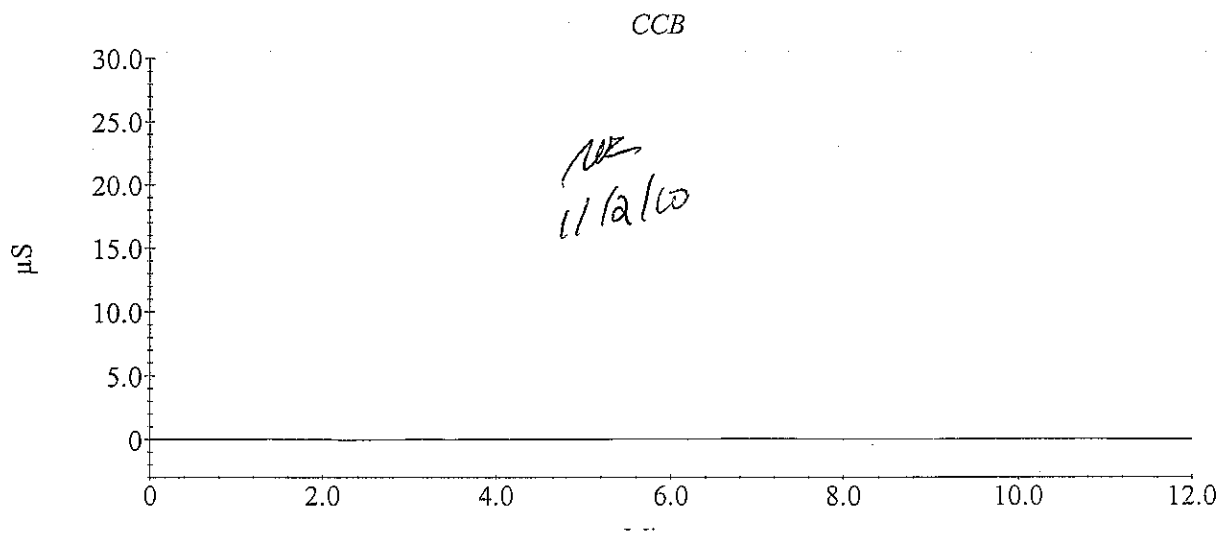
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_011.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:58:22 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 11

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



Sample Analysis Report

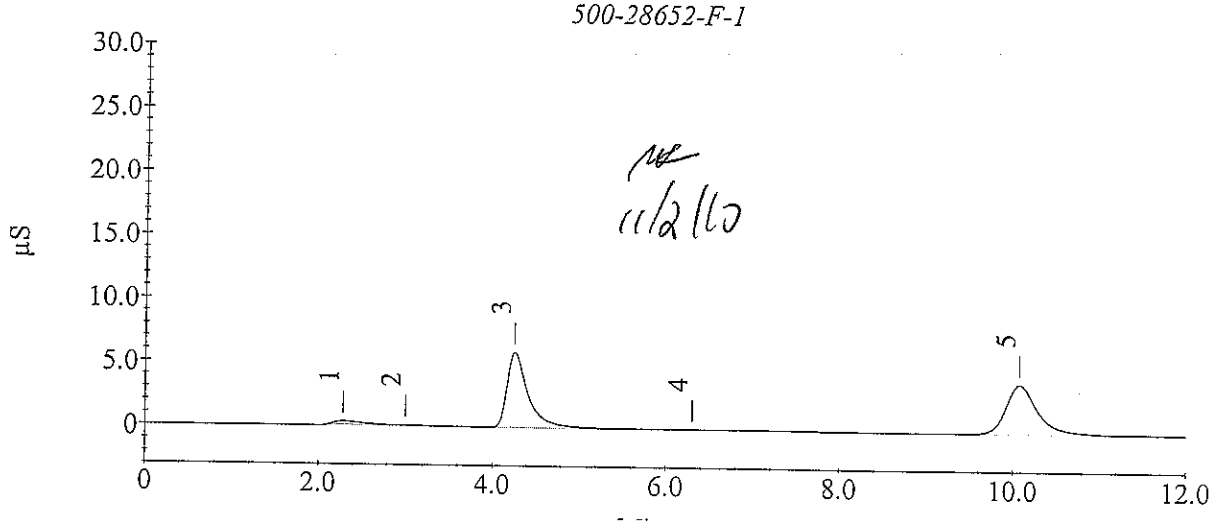
Sample Name : 500-28652-F-1
Data File Name : c:\peaknet\data\20101101\D5910_012.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:12:42 AM
System Operator : Pete Ficarello
Dilution Factor : 100.00
Injection Number : 12

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	7.4018	10770	630
3	CHLORIDE	4.25	448.6333	1016125	58956
	NITRITE				
	BROMIDE				
4	NITRATE	6.30	4.5079	1712	111
	OrthophosP				
5	SULFATE	10.07	566.1748	1002071	38599

500-28652-F-1



Sample Analysis Report

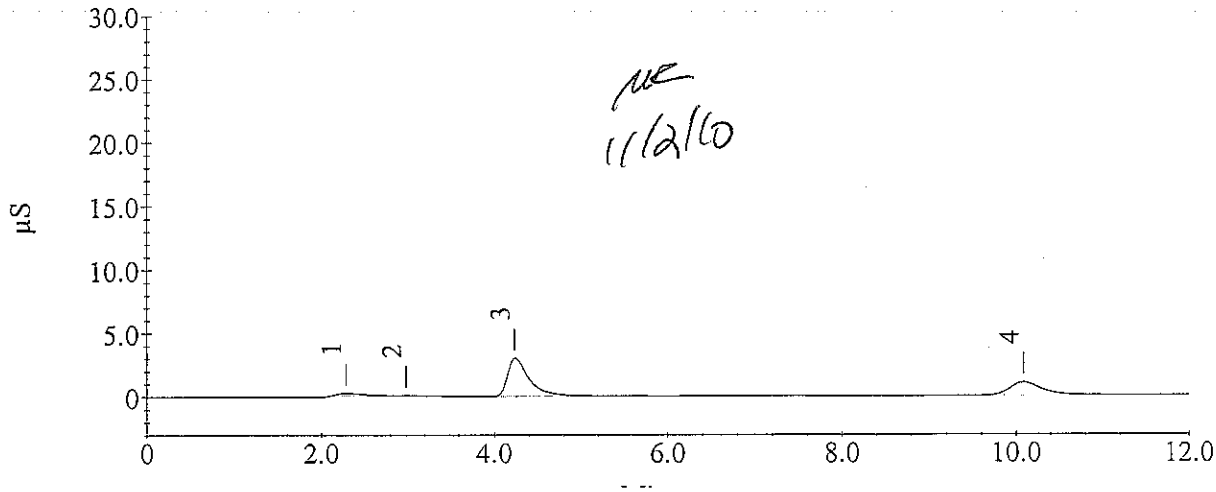
Sample Name : 500-28652-G-2
Data File Name : c:\peaknet\data\20101101\D5910_013.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:27:07 AM
System Operator : Pete Ficarello
Dilution Factor : 100.00
Injection Number : 13

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.98	5.2494	3486	327
3	CHLORIDE	4.23	234.8674	522016	29984
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	10.08	161.9067	271529	10369

500-28652-G-2



11/2/10

Sample Analysis Report

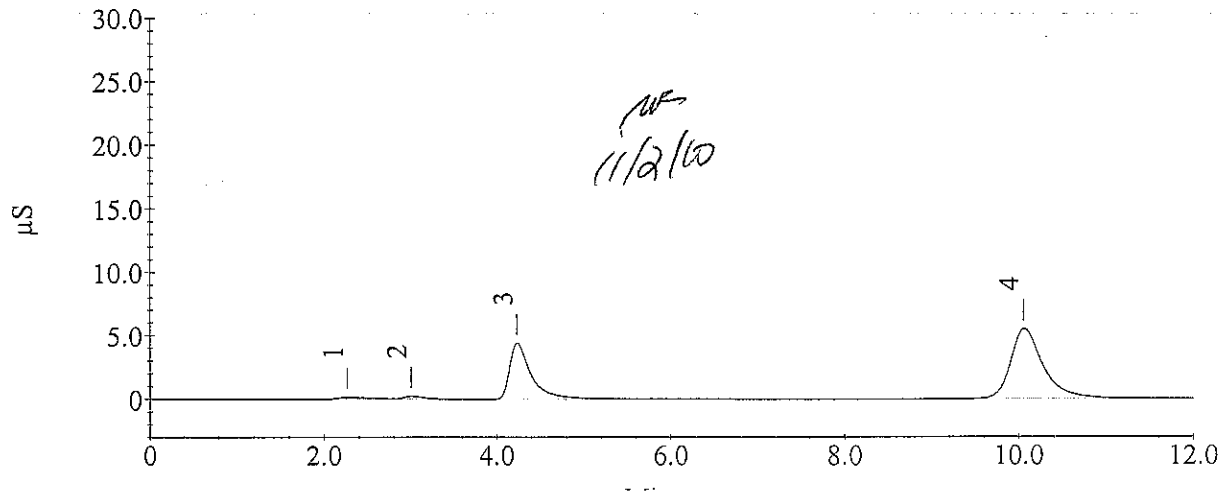
Sample Name : 500-28652-G-3
Data File Name : c:\peaknet\data\20101101\D5910_014.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:41:27 AM
System Operator : Pete Ficarello
Dilution Factor : 25.00
Injection Number : 14

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	3.6807	35545	2224
3	CHLORIDE	4.23	85.0293	765296	43919
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	10.05	197.8627	1409161	54797

500-28652-G-3



11/2/10

Sample Analysis Report

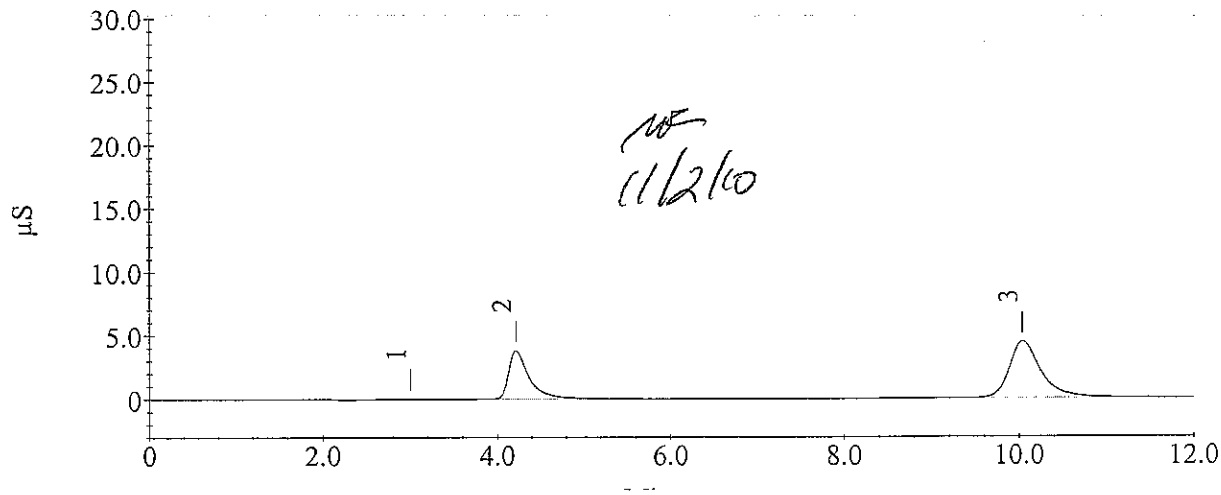
Sample Name : 500-28652-F-4
Data File Name : c:\peaknet\data\20101101\D5910_015.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:55:46 AM
System Operator : Pete Ficarello
Dilution Factor : 50.00
Injection Number : 15

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.00	2.7296	4195	292
2	CHLORIDE	4.22	141.3563	632607	37929
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.03	313.3136	1111313	44214

500-28652-F-4



11/2/10

Sample Analysis Report

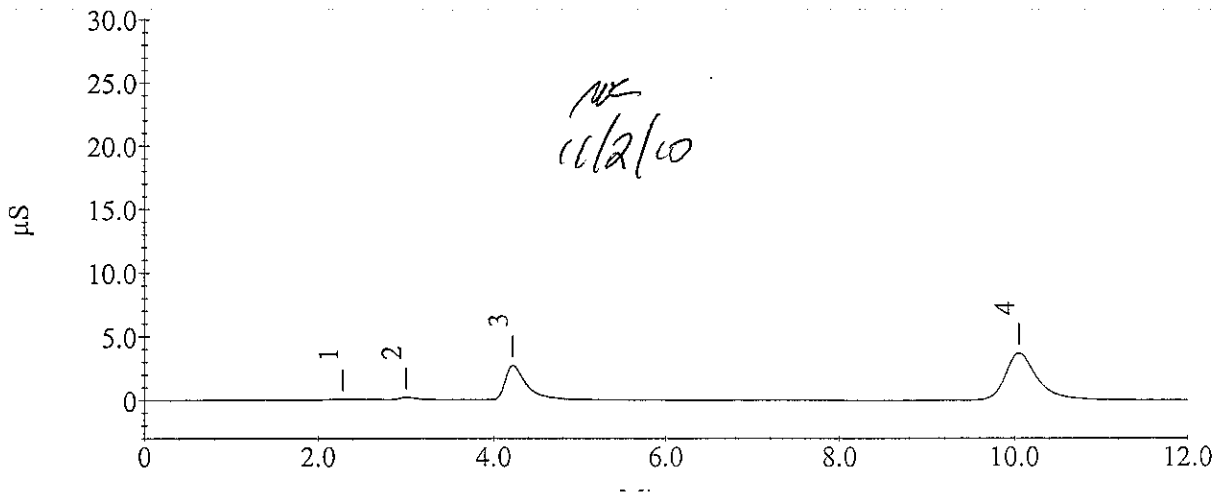
Sample Name : 500-28652-F-6
Data File Name : c:\peaknet\data\20101101\D5910_016.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:10:06 AM
System Operator : Pete Ficarello
Dilution Factor : 25.00
Injection Number : 16

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	3.1358	28169	1910
3	CHLORIDE	4.22	53.3670	472552	27026
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	10.05	135.3623	957390	37037

500-28652-F-6



11/2/10

Sample Analysis Report

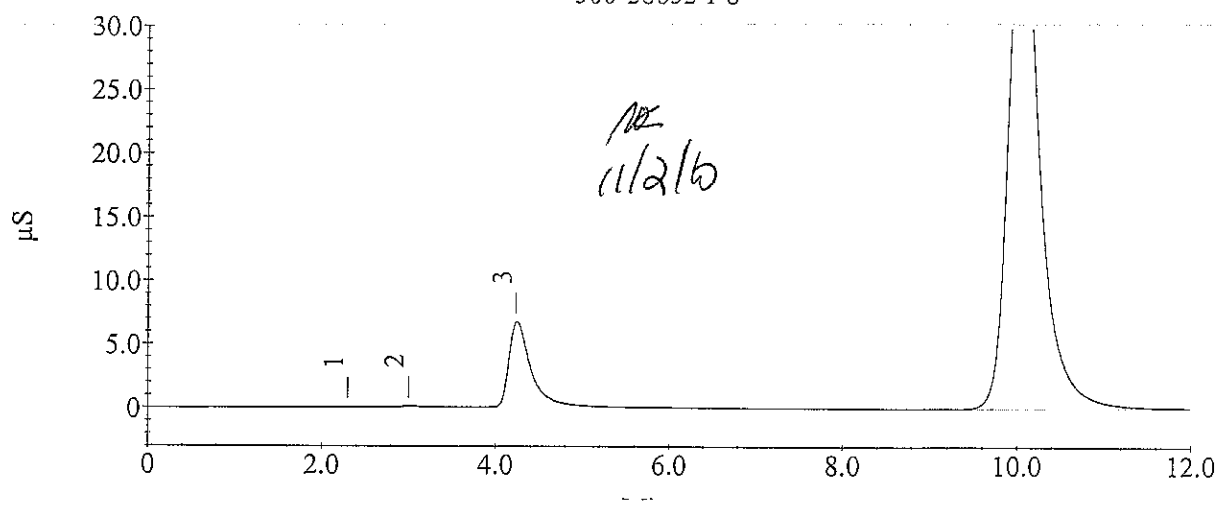
Sample Name : 500-28652-I-8
Data File Name : c:\peaknet\data\20101101\D5910_017.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:24:24 AM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 17

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	0.8885	15788	1058
3	CHLORIDE	4.23	52.5703	1194267	67071
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	10.02	581.5129	10487313	432111

500-28652-I-8



11/2/10

Sample Analysis Report

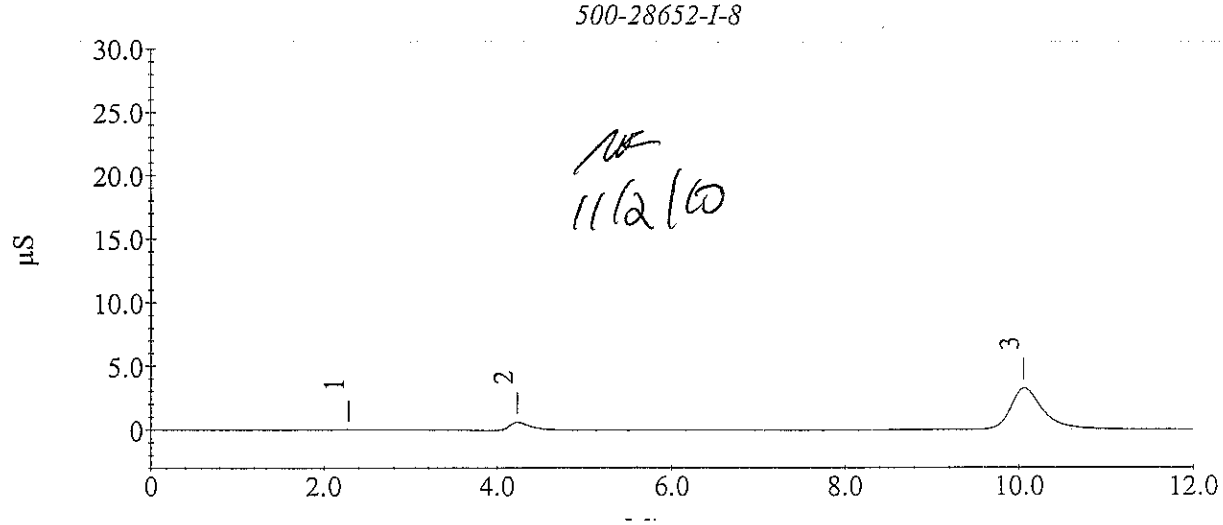
Sample Name : 500-28652-I-8
Data File Name : c:\peaknet\data\20101101\D5910_018.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:38:43 AM
System Operator : Pete Ficarello
Dilution Factor : 100.00
Injection Number : 18

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.23	55.2885	106928	6220
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.05	467.7004	824120	32259

500-28652-I-8



11/2/10

Sample Analysis Report

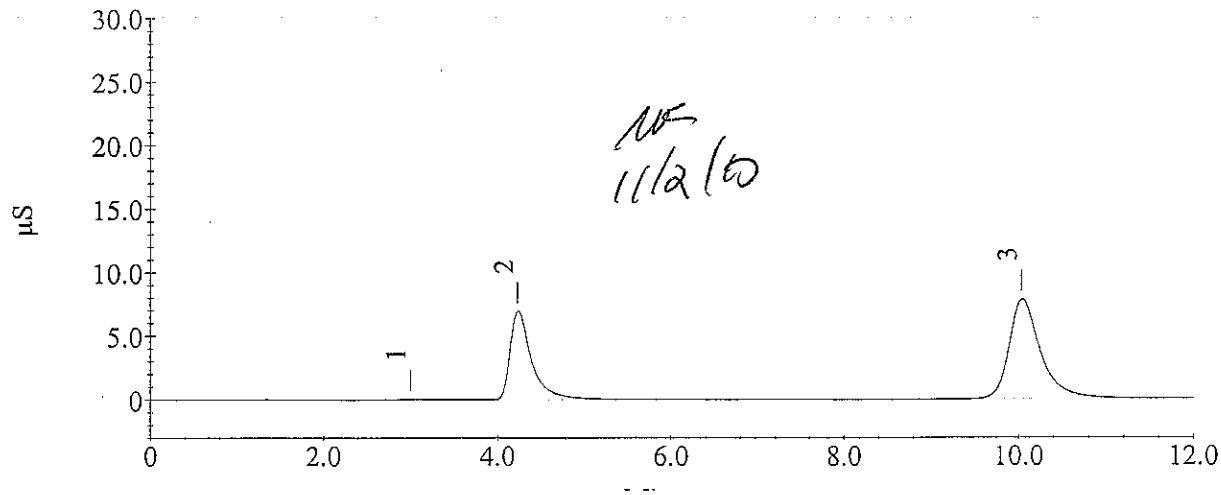
Sample Name : 500-28652-F-9
Data File Name : c:\peaknet\data\20101101\D5910_019.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:53:02 AM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 19

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE NR	3.00	0.7108	9775	585
2	CHLORIDE	4.23	53.8986	1224971	69195
	NITRITE NR				
	BROMIDE NR				
	NITRATE NR				
	OrthophosP NR				
3	SULFATE NR	10.03	108.8363	1945702	78115

500-28652-F-9



NR 11/2/10

Sample Analysis Report

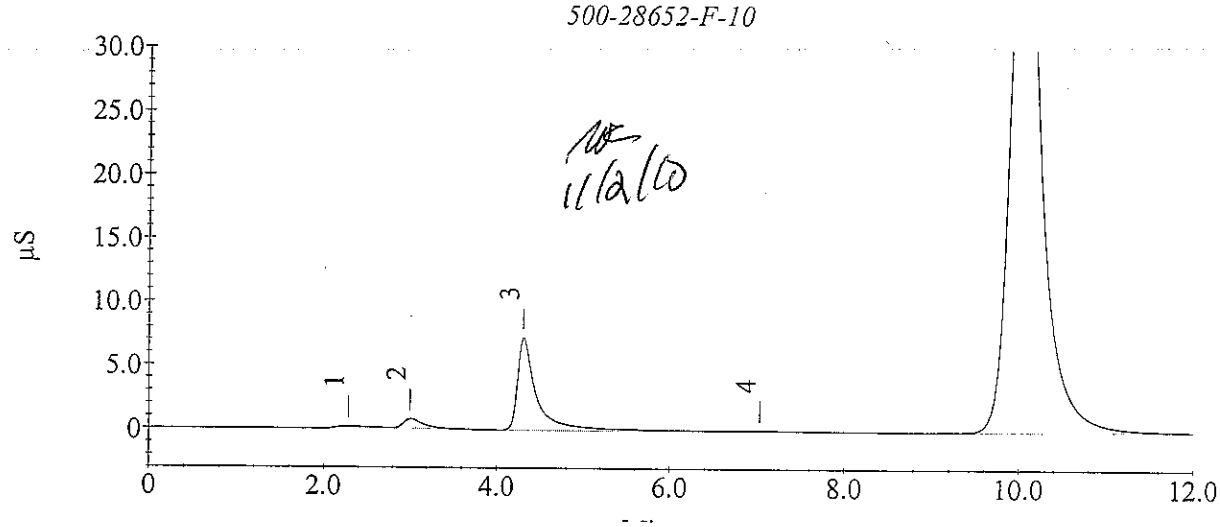
Sample Name : 500-28652-F-10
Data File Name : c:\peaknet\data\20101101\D5910_020.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 12:07:21 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 20

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE NR	3.00	0.4283	130658	7308
3	CHLORIDE	4.30	5.0303	1141868	72313
	NITRITE NR				
	BROMIDE NR				
4	NITRATE NR	7.03	0.0720	18252	565
	OrthophosP NR				
5	SULFATE NR	10.02	64.0111	11546221	489508

500-28652-F-10



Sample Analysis Report

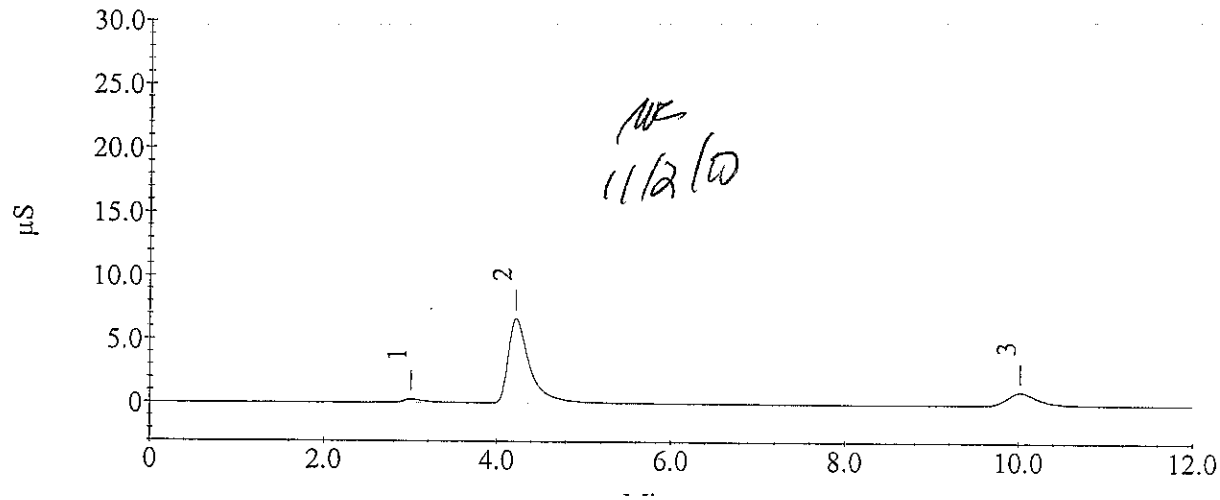
Sample Name : 500-28652-F-11
Data File Name : c:\peaknet\data\20101101\D5910_021.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 12:21:40 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 21

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.00	1.5458	38032	2535
2	CHLORIDE	4.22	51.0306	1158678	66367
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.02	15.2155	253908	10105

500-28652-F-11



11/2/10

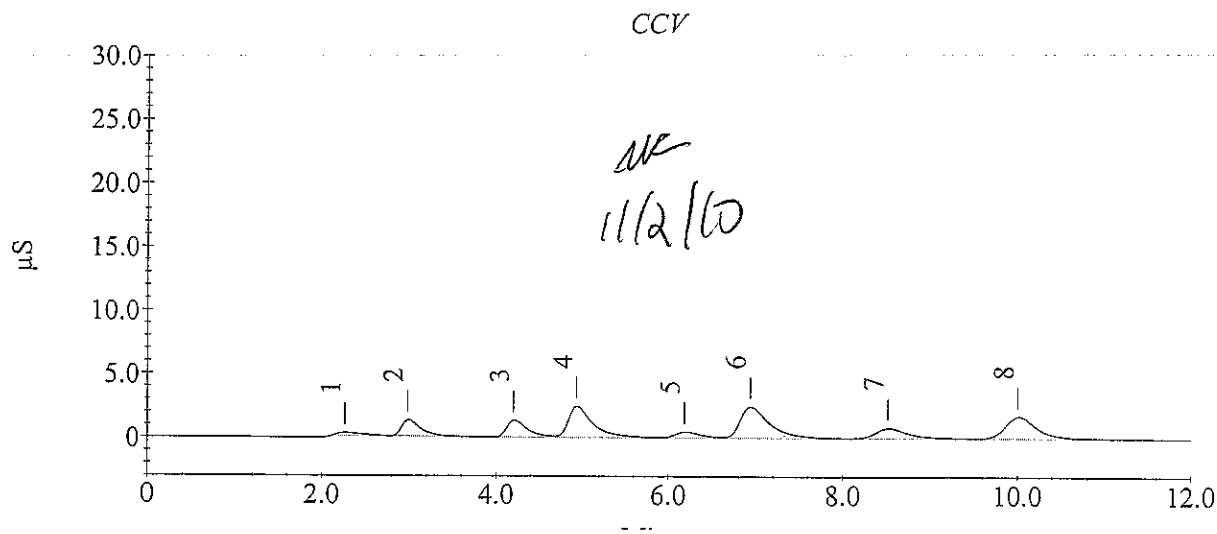
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_022.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 12:35:59 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 22

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.98	0.6181	194893	12530
3	CHLORIDE	4.20	1.0440	220453	13190
4	NITRITE	4.93	0.9488	493227	24396
5	BROMIDE	6.18	0.8897	92571	4602
6	NITRATE	6.93	0.9871	581298	24437
7	OrthophosP	8.52	0.7961	214413	8038
8	SULFATE	10.00	2.5827	445658	17149



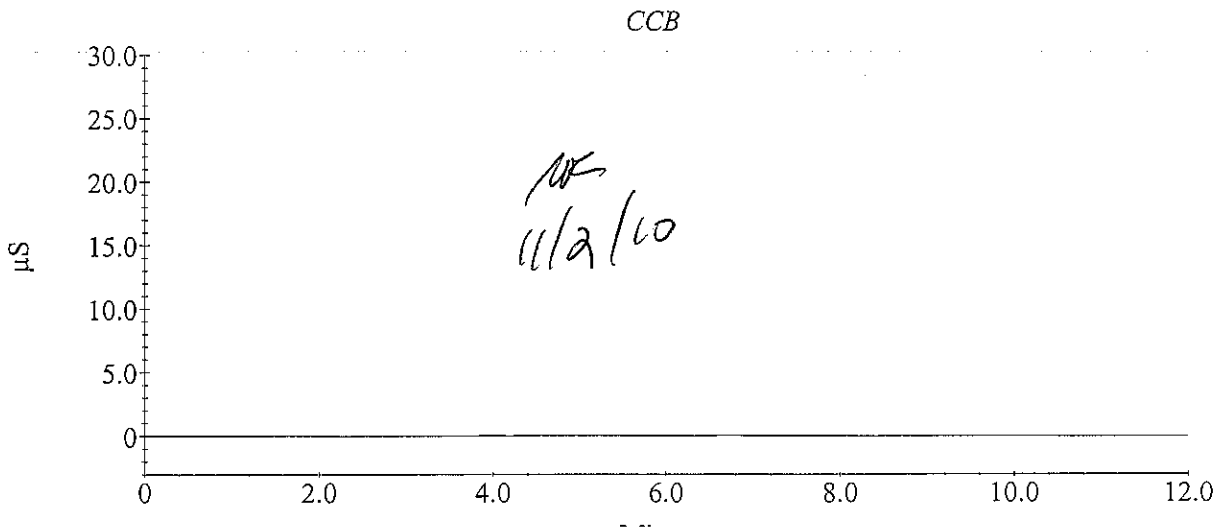
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_023.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 12:50:18 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 23

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



Sample Analysis Report

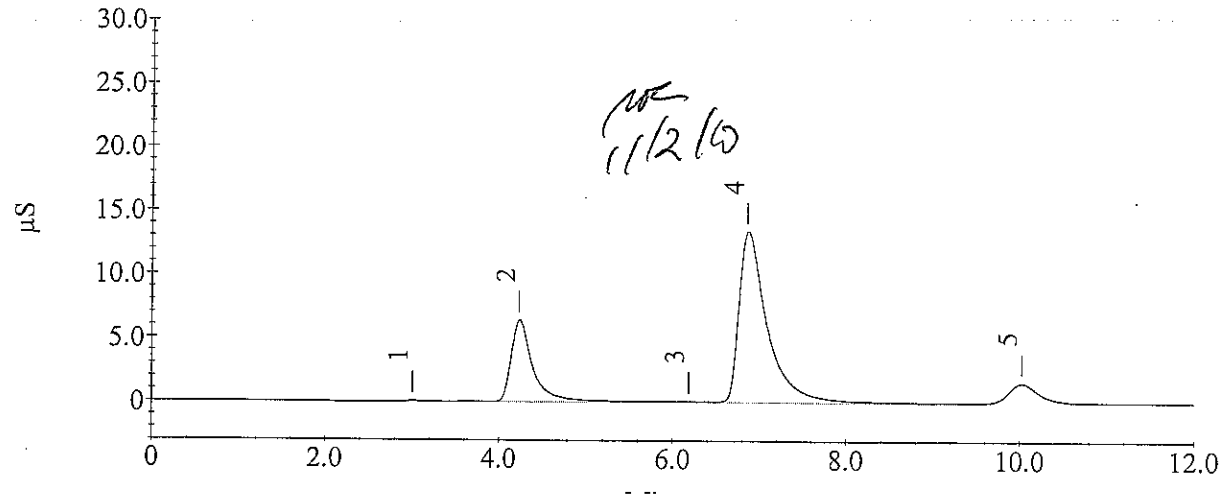
Sample Name : 500-28710-A-1
Data File Name : c:\peaknet\data\20101101\D5910_024.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 1:04:36 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 24

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.00	0.0661	8079	582
2	CHLORIDE	4.23	5.0495	1146301	63716
	NITRITE				
3	BROMIDE	6.18	0.1328	15242	609
4	NITRATE	6.85	5.0265	3066517	133842
	OrthophosP				
5	SULFATE	10.02	2.1979	376130	15447

500-28710-A-1



11/2/10

Sample Analysis Report

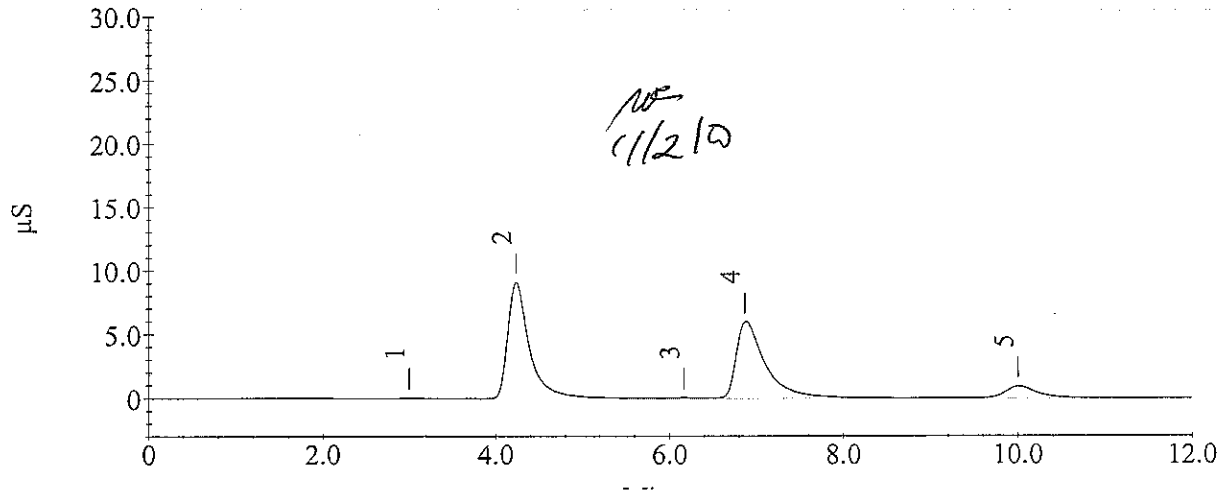
Sample Name : 500-28710-A-2
Data File Name : c:\peaknet\data\20101101\D5910_025.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 1:18:55 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 25

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.00	0.0497	2534	207
2	CHLORIDE	4.23	6.9736	1591052	90797
	NITRITE				
3	BROMIDE	6.17	0.0961	11498	522
4	NITRATE	6.87	2.3288	1406793	59792
	OrthophosP				
5	SULFATE	10.00	1.3732	227091	9050

500-28710-A-2



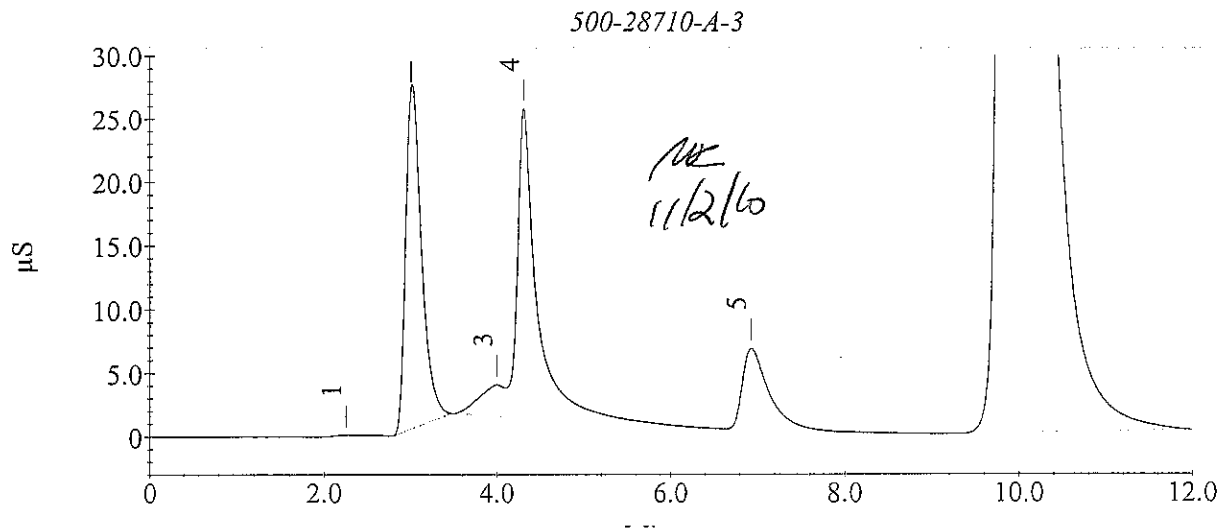
Sample Analysis Report

Sample Name : 500-28710-A-3
Data File Name : c:\peaknet\data\20101101\D5910_026.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 1:33:14 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 26

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE OK	3.00	10.2683	3460673	266056
3	CHLORIDE	4.00	2.1393	473629	24791
4	NITRITE	4.32	7.2164	3948880	242505
	BROMIDE				
5	NITRATE	6.93	2.2130	1335536	63821
	OrthophosP				
6	SULFATE	9.92	364.8652	65912754	2523923



Sample Analysis Report

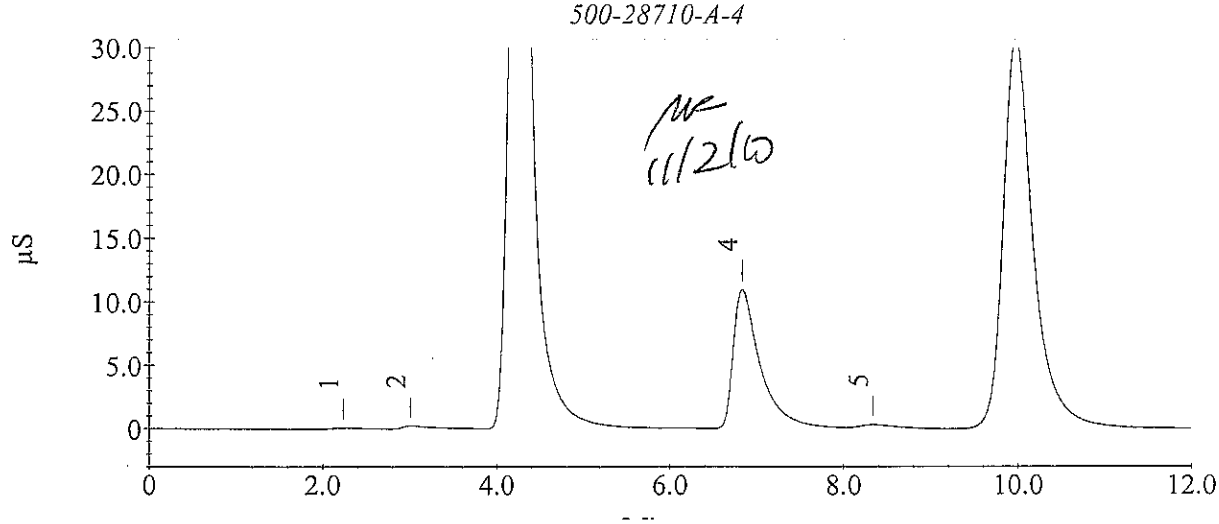
Sample Name : 500-28710-A-4
Data File Name : c:\peaknet\data\20101101\D5910_027.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 1:47:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 27

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	0.2372	66001	2486
3	CHLORIDE	4.25	57.6021	13293571	868059
	NITRITE				
	BROMIDE				
4	NITRATE	6.83	4.0222	2448652	109753
5	OrthophosP	8.33	0.3351	104917	3401
6	SULFATE	9.97	41.0339	7394082	308482

500-28710-A-4



Sample Analysis Report

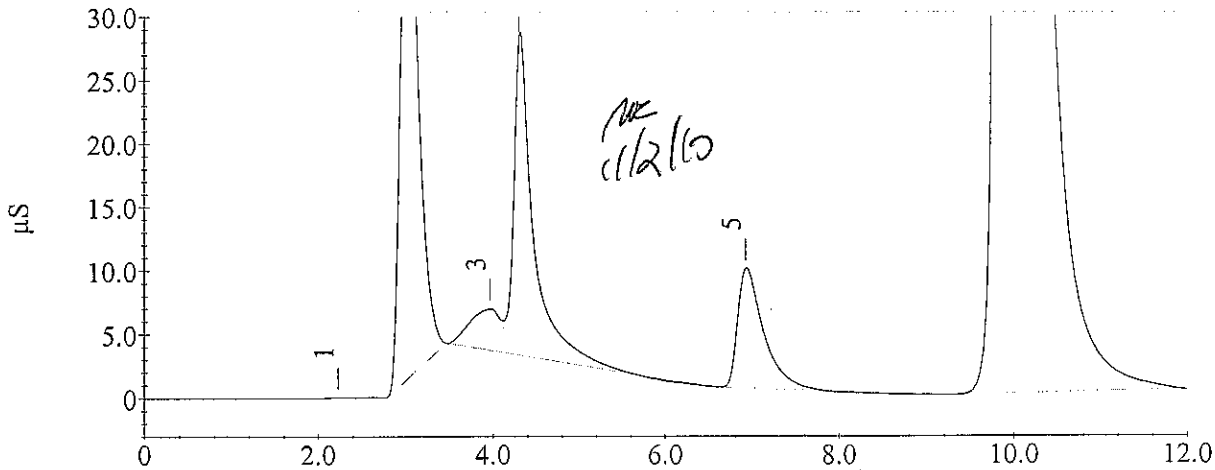
Sample Name : 500-28710-A-5
Data File Name : c:\peaknet\data\20101101\D5910_028.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 2:01:53 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 28

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE ok	3.02	18.2580	6164511	442411
3	CHLORIDE	3.97	3.3922	763221	32262
4	NITRITE	4.30	7.2973	3993493	247495
	BROMIDE				
5	NITRATE	6.92	3.1412	1906596	93418
	OrthophosP				
6	SULFATE	9.93	371.5322	67117516	2558385

500-28710-A-5



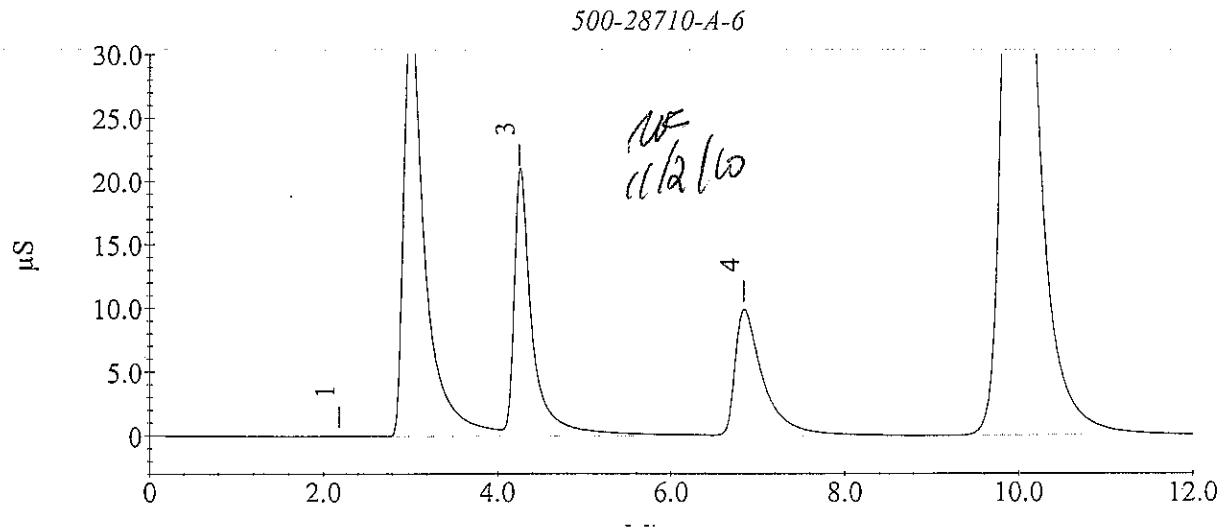
Sample Analysis Report

Sample Name : 500-28710-A-6
Data File Name : c:\peaknet\data\20101101\D5910_029.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 2:16:11 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 29

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	NF 11/2/10				
2	FLUORIDE OR	3.02	16.7132	5641734	332804
3	CHLORIDE	4.25	13.4574	3089736	206151
	NITRITE NF				
	BROMIDE NF				
4	NITRATE NF	6.85	3.6963	2248155	98778
	OrthophosP NF				
5	SULFATE NF	9.95	100.9874	18228118	768121



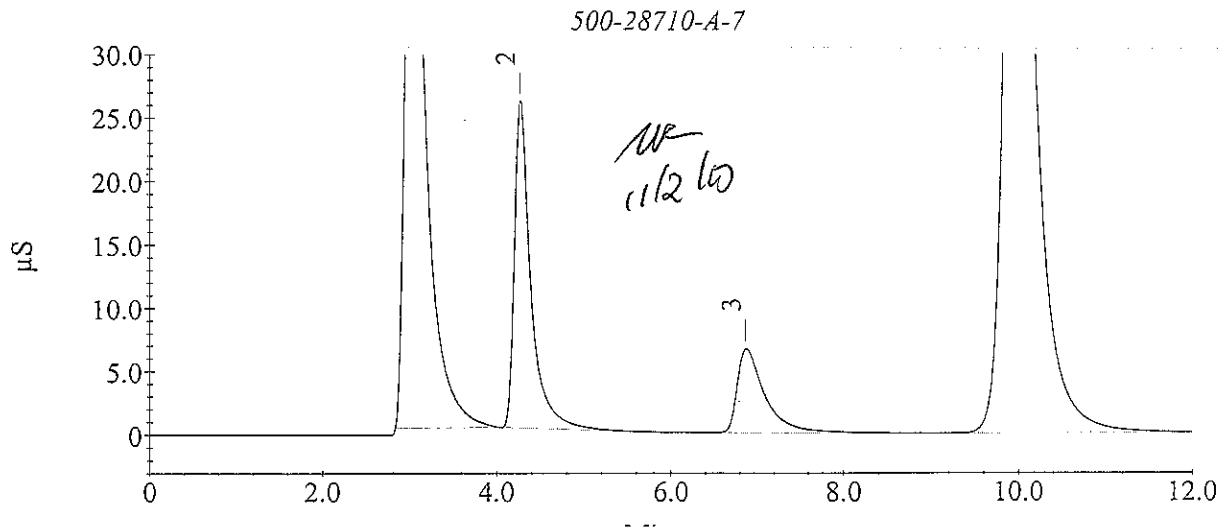
Sample Analysis Report

Sample Name : 500-28710-A-7
Data File Name : c:\peaknet\data\20101101\D5910_030.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 2:30:30 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 30

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.02	25.9159	8756064	537569
2	CHLORIDE	4.27	14.6495	3365280	255924
	NITRITE				
	BROMIDE				
3	NITRATE	6.87	2.4652	1490692	65774
	OrthophosP				
4	SULFATE	9.97	89.1829	16094949	689593



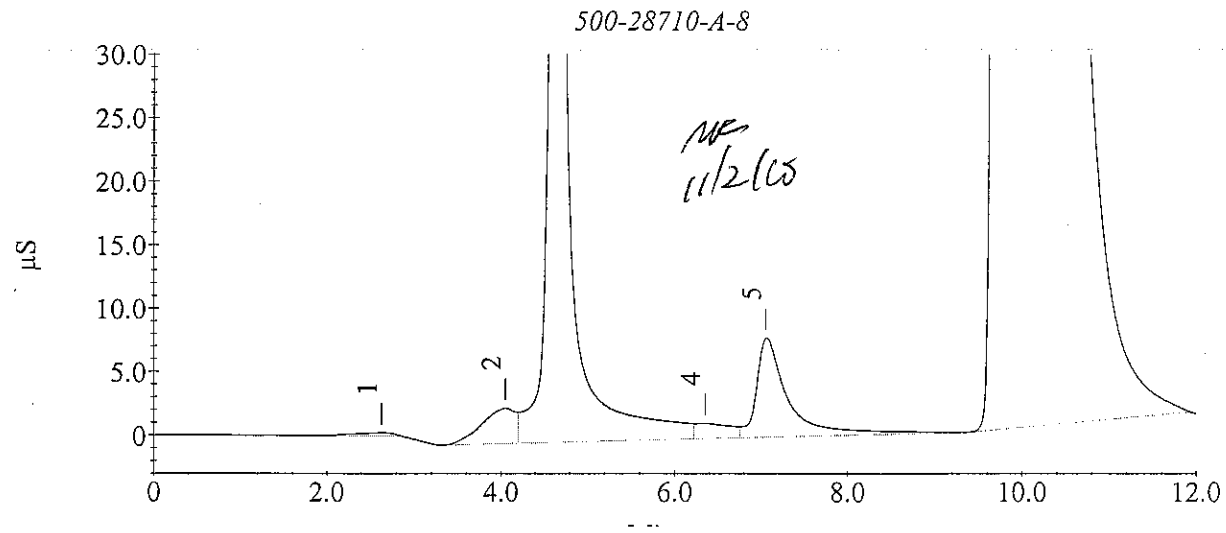
Sample Analysis Report

Sample Name : 500-28710-A-8
Data File Name : c:\peaknet\data\20101101\D5910_031.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 2:44:49 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 31

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.63	0.2646	75258	2336
2	CHLORIDE	4.05	3.3221	747020	27739
3	NITRITE	4.63	24.5138	13485860	1089472
	BROMIDE				
4	NITRATE	6.35	0.5781	329630	11925
	OrthophosP				
6	SULFATE	9.82	1252.6728	226346049	6697810



Sample Analysis Report

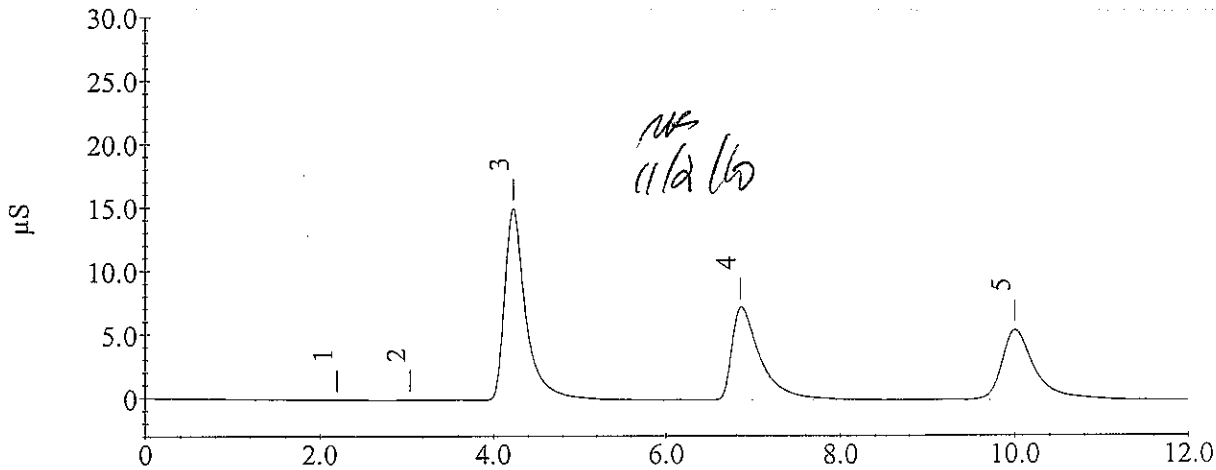
Sample Name : 500-28710-A-9
Data File Name : c:\peaknet\data\20101101\D5910_032.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 2:59:08 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 32

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	0.0705	9594	532
3	CHLORIDE	4.23	11.1876	2565091	150369
	NITRITE				
	BROMIDE				
4	NITRATE	6.85	2.7977	1695255	72795
	OrthophosP				
5	SULFATE	10.00	8.1290	1447922	55078

500-28710-A-9



Sample Analysis Report

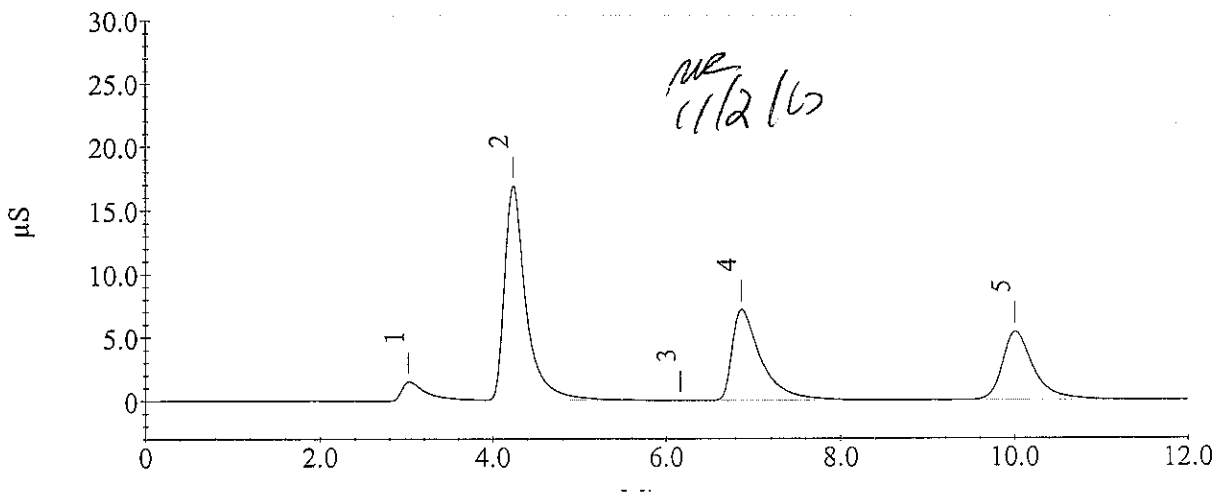
Sample Name : 500-28710-A-9 MS
Data File Name : c:\peaknet\data\20101101\D5910_033.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:13:27 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 33

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.02	0.8387	269547	14211
2	CHLORIDE	4.23	12.4912	2866416	168130
	NITRITE				
3	BROMIDE	6.17	0.0159	3304	216
4	NITRATE	6.87	2.7013	1635959	71493
	OrthophosP				
5	SULFATE	10.00	7.5474	1342829	53676

500-28710-A-9 MS



ME 11/2/10

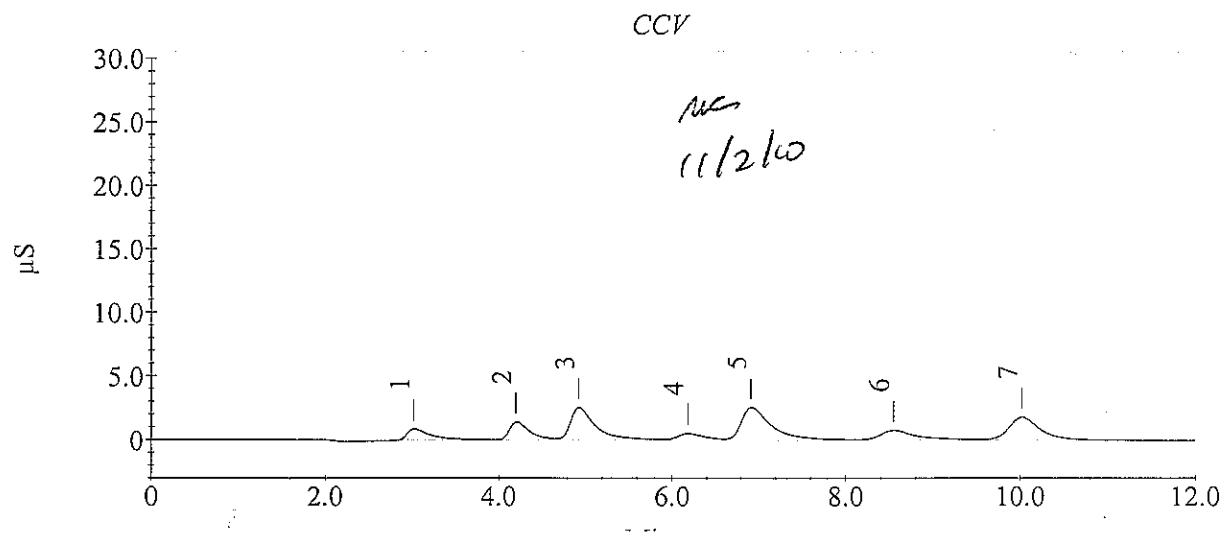
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_034.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:27:46 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 34

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.02	0.4908	151821	8401
2	CHLORIDE	4.20	1.0669	225730	13790
3	NITRITE	4.93	0.9769	508740	25399
4	BROMIDE	6.18	1.0194	105823	5073
5	NITRATE	6.92	1.0596	625925	25565
6	OrthophosP	8.55	0.8565	228761	7671
7	SULFATE	10.02	2.6661	460730	17915



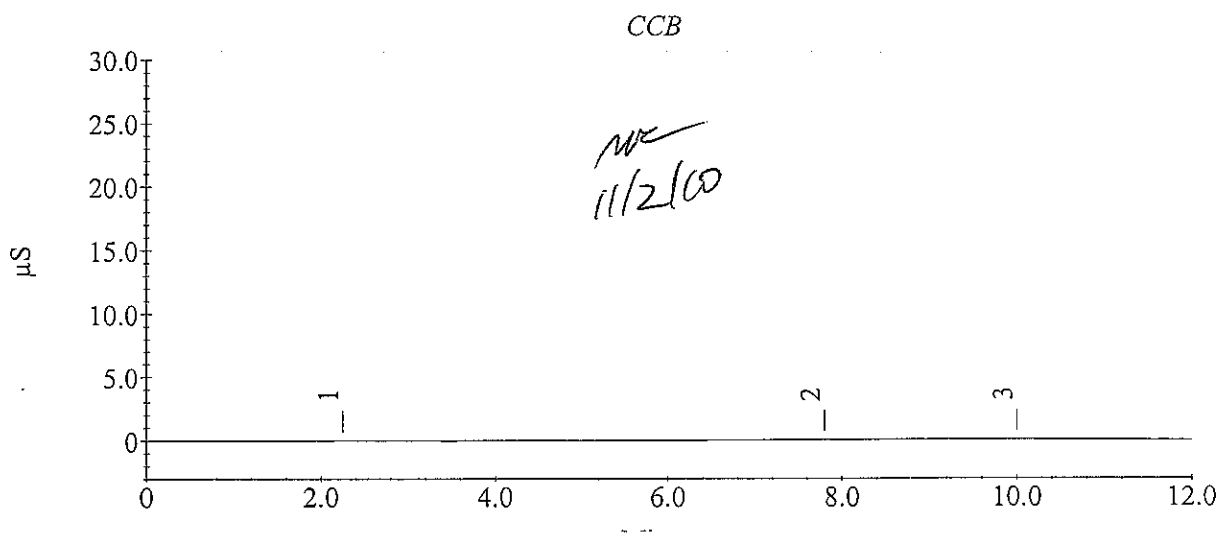
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_035.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:42:05 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 35

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
2	OrthophosP	7.80	-0.0860	4928	254
3	SULFATE	10.00	0.2050	16000	485



NK
11/2/10

Sample Analysis Report

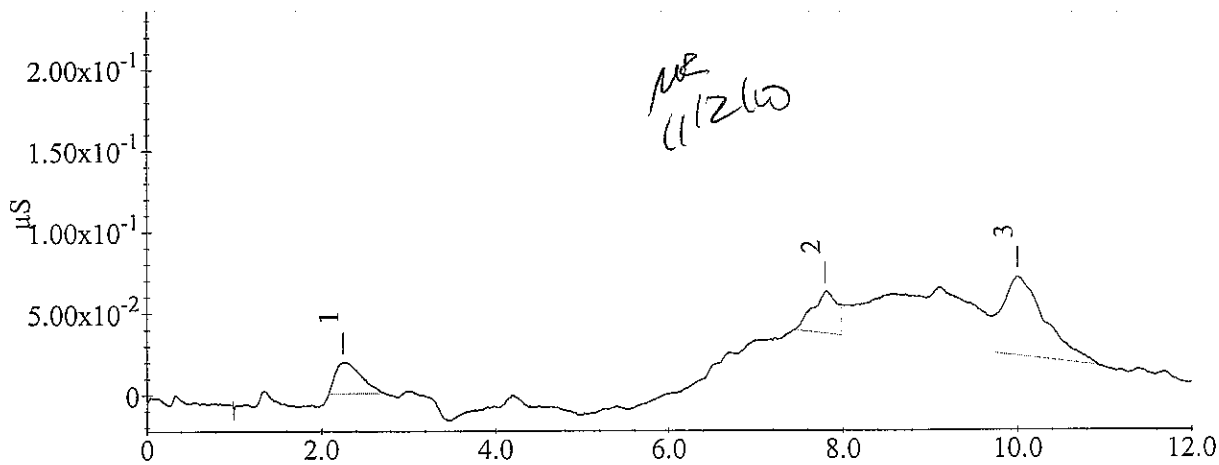
Sample Name : CCB
Data File Name : C:\PEAKNET\DATA\20101101\D5910_035.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:42:05 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 35

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
2	OrthophosP	7.80	-0.0860	4928	254
3	SULFATE	10.00	0.2050	16000	485

CCB



NE 11/2/10

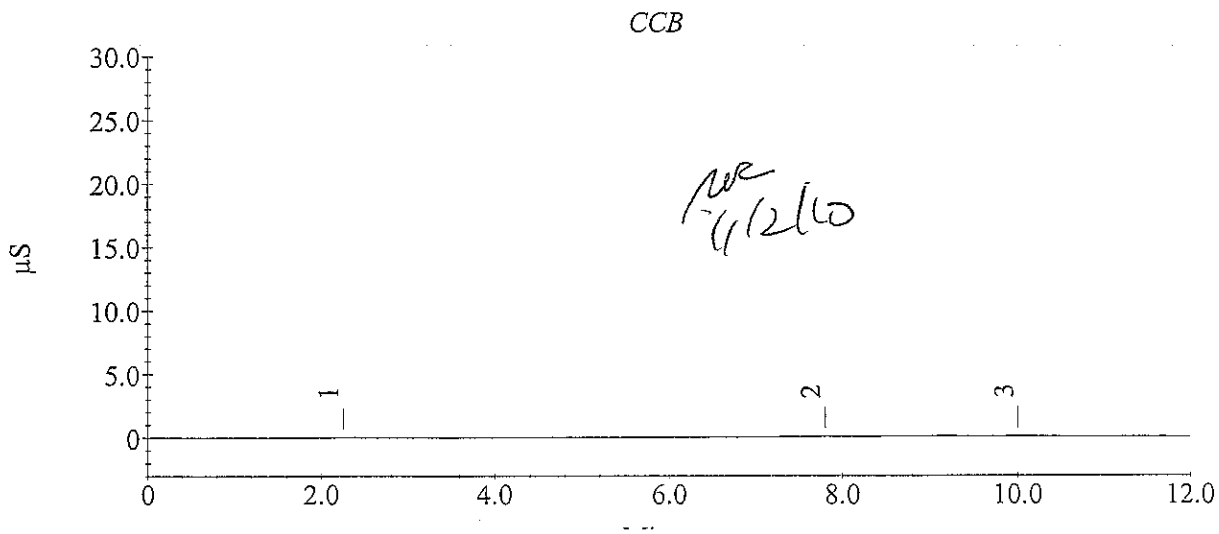
Sample Analysis Report

Sample Name : CCB
Data File Name : C:\PEAKNET\DATA\20101101\D5910_035.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:42:05 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 35

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
2	OrthophosP	7.80	-0.0888	4263	227
3	SULFATE	10.00	0.1475	5608	287



MR 11/2/10

Sample Analysis Report

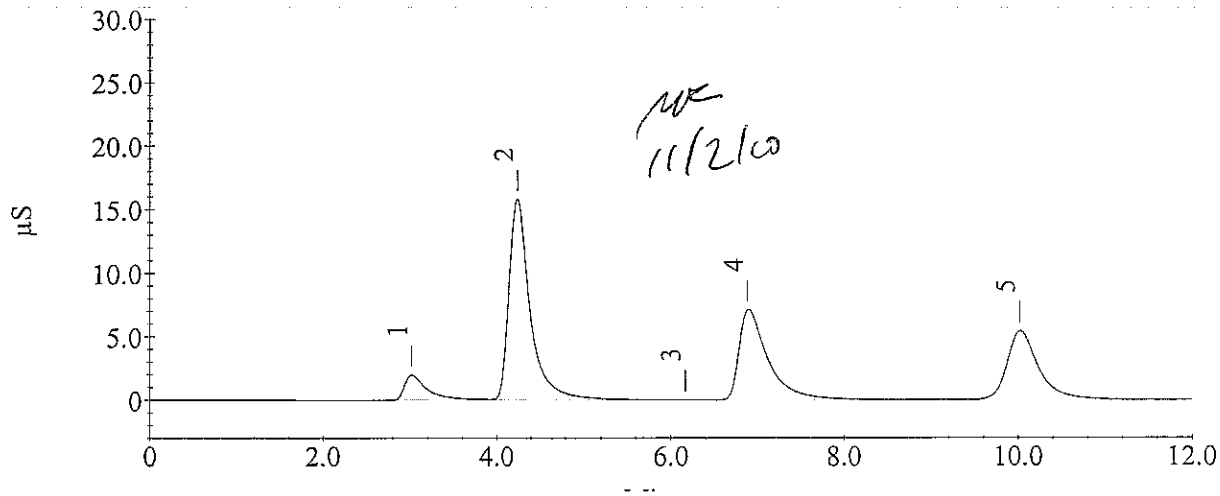
Sample Name : 500-28710-A-9 MSD
Data File Name : c:\peaknet\data\20101101\D5910_036.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 3:56:23 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 36

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.02	1.0256	332804	19290
2	CHLORIDE	4.25	11.7613	2697707	157455
	NITRITE				
3	BROMIDE	6.17	0.0103	2733	180
4	NITRATE	6.88	2.7328	1655347	70865
	OrthophosP				
5	SULFATE	10.02	7.6887	1368360	54087

500-28710-A-9 MSD



Sample Analysis Report

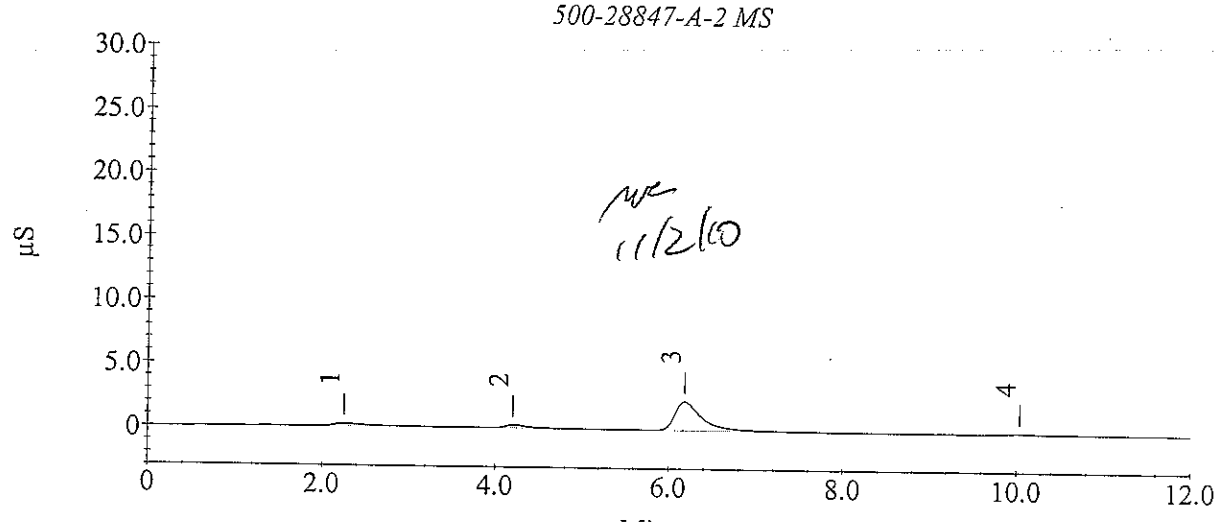
Sample Name : 500-28847-A-2 MS
Data File Name : c:\peaknet\data\20101101\D5910_037.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 4:10:42 PM
System Operator : Pete Ficarello
Dilution Factor : 5000.00
Injection Number : 37

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE NITRITE	4.20	1447.8148	46062	2495
3	BROMIDE NITRATE	6.18	24311.2894	498404	22530
4	OrthophosP SULFATE	10.03	1061.3092	17309	724

500-28847-A-2 MS



MR 11/2/10

Sample Analysis Report

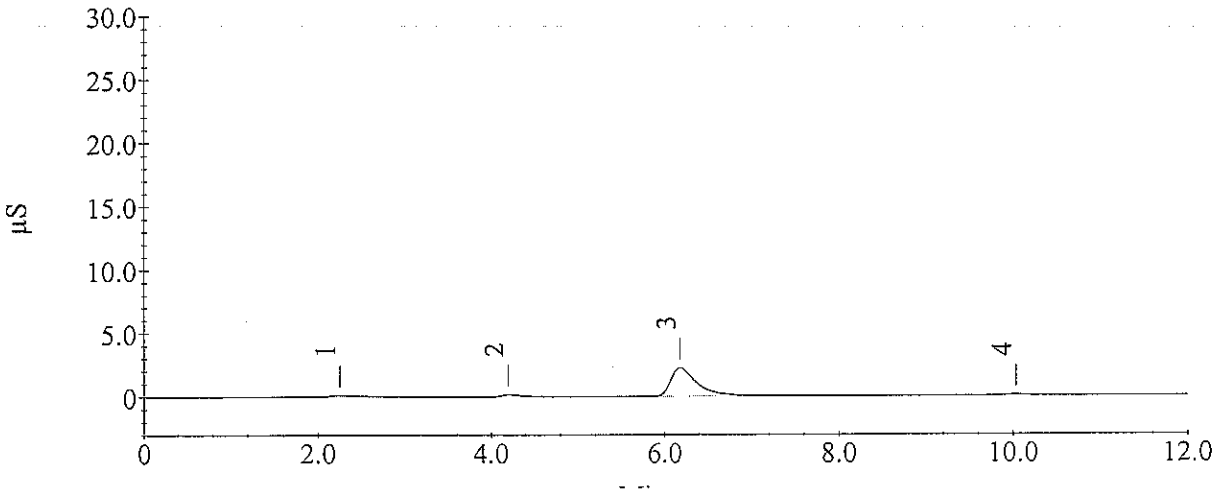
Sample Name : 500-28847-A-2 MSD
Data File Name : c:\peaknet\data\20101101\D5910_038.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 4:25:01 PM
System Operator : Pete Ficarello
Dilution Factor : 5000.00
Injection Number : 38

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE	4.20	1070.7562	28631	1723
3	NITRITE BROMIDE	6.18	23774.7896	487442	22498
4	NITRATE OrthophosP SULFATE	10.03	984.3405	14527	643

500-28847-A-2 MSD



Sample Analysis Report

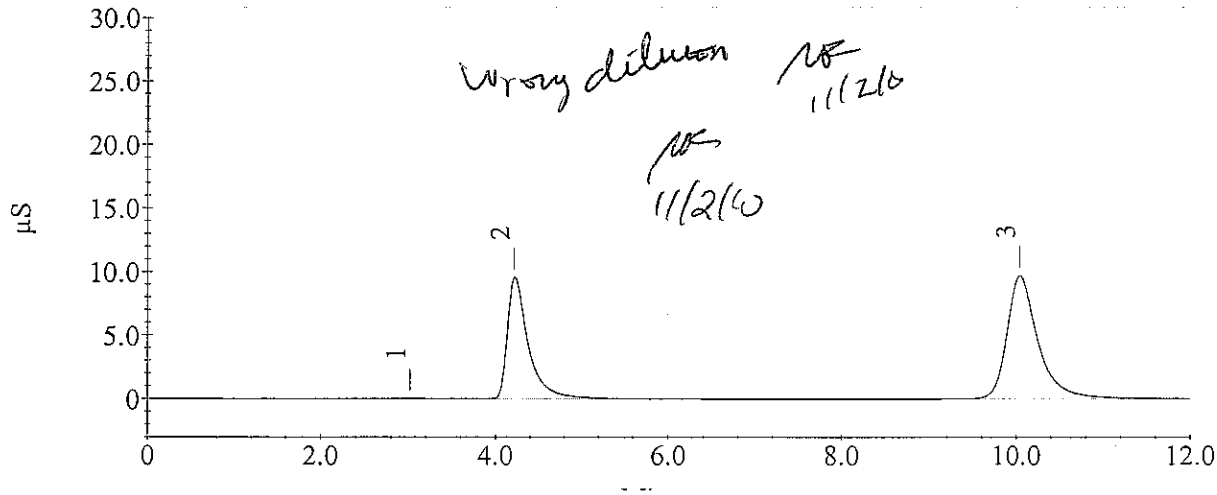
Sample Name : 500-28652-F-6 MS
Data File Name : c:\peaknet\data\20101101\D5910_039.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 4:39:20 PM
System Operator : Pete Ficarello
Dilution Factor : 50.00
Injection Number : 39

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.02	2.8244	4837	262
2	CHLORIDE	4.22	350.2183	1598155	95052
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.03	678.8661	2432473	96650

500-28652-F-6 MS



Wrong dilution 11/2/10

11/2/10

Sample Analysis Report

Sample Name : 500-28652-F-6 MSD
Data File Name : c:\peaknet\data\20101101\D5910_040.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 4:53:39 PM
System Operator : Pete Ficarello
Dilution Factor : 50.00
Injection Number : 40

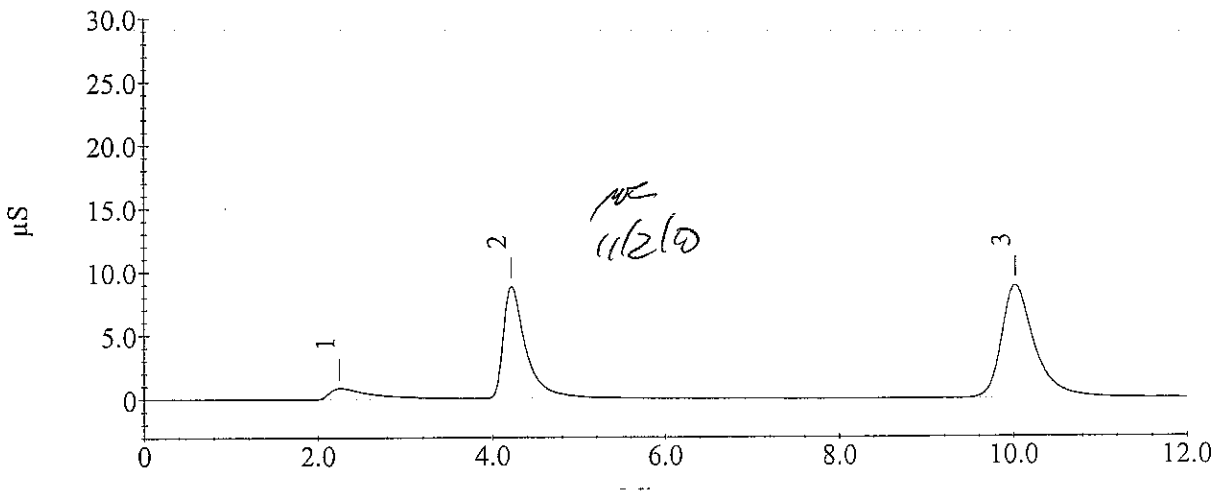
Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
2	CHLORIDE	4.22	345.3527	1575662	87622
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.02	655.6283	2348488	88352

MR 11/2/10

wrong dilution

500-28652-F-6 MSD



MR 11/2/10

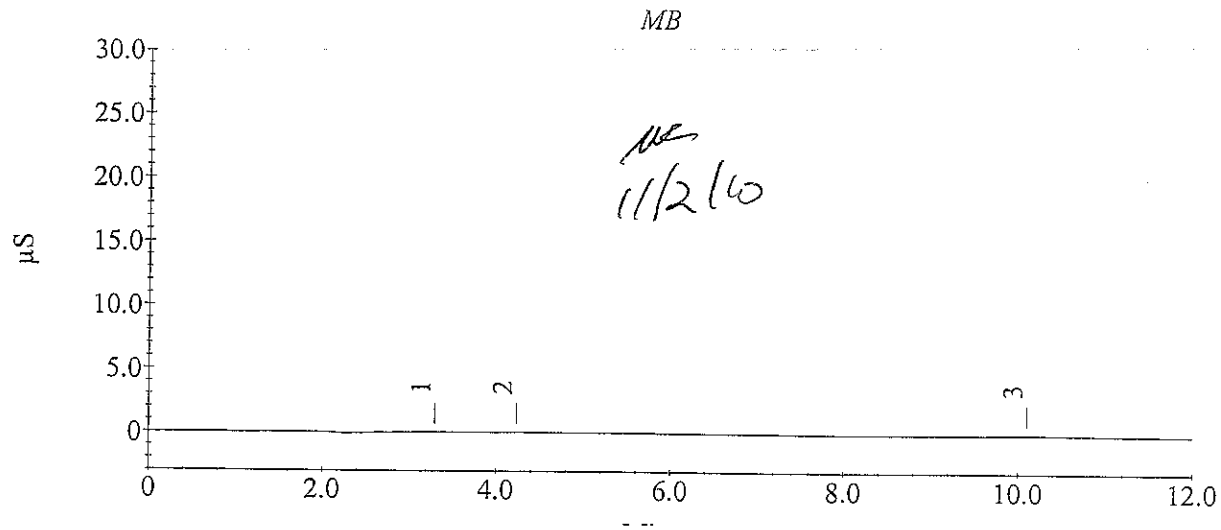
Sample Analysis Report

Sample Name : MB
Data File Name : c:\peaknet\data\20101101\D5910_041.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 5:07:58 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 41

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE NITRITE BROMIDE NITRATE OrthophosP	4.23	0.1104	4652	176
3	SULFATE	10.10	0.1688	9464	423



11/2/10

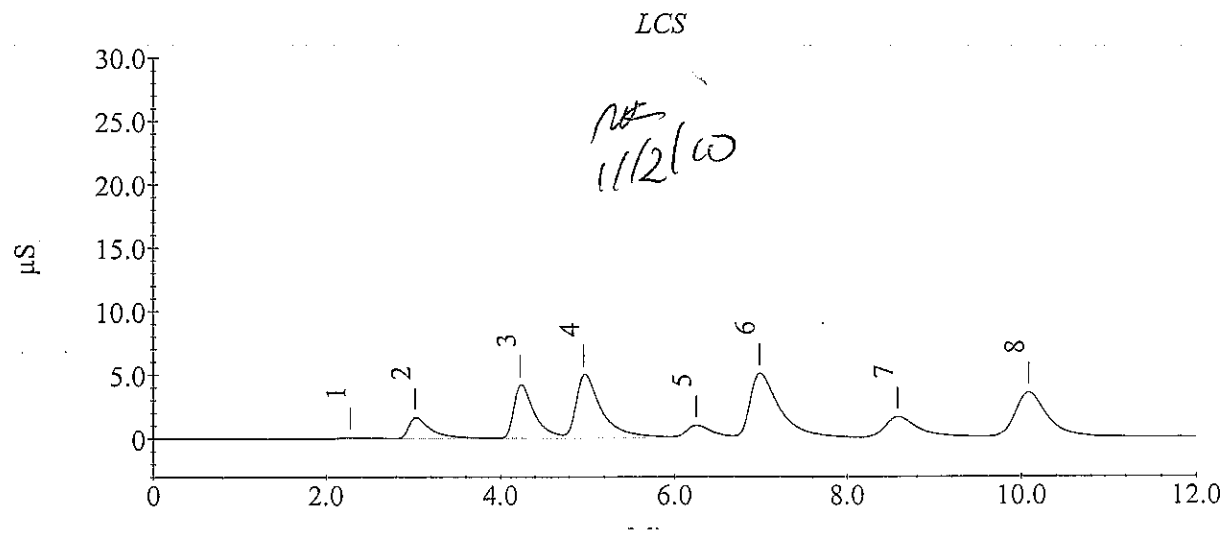
Sample Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\20101101\D5910_042.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 5:22:17 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 42

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.02	0.8865	285731	16178
3	CHLORIDE	4.23	3.0946	694436	41612
4	NITRITE	4.97	1.8917	1013112	49680
5	BROMIDE	6.25	1.9288	198719	9716
6	NITRATE	6.98	1.9973	1202831	50379
7	OrthophosP	8.58	1.7396	438485	16296
8	SULFATE	10.08	5.1716	913491	35150



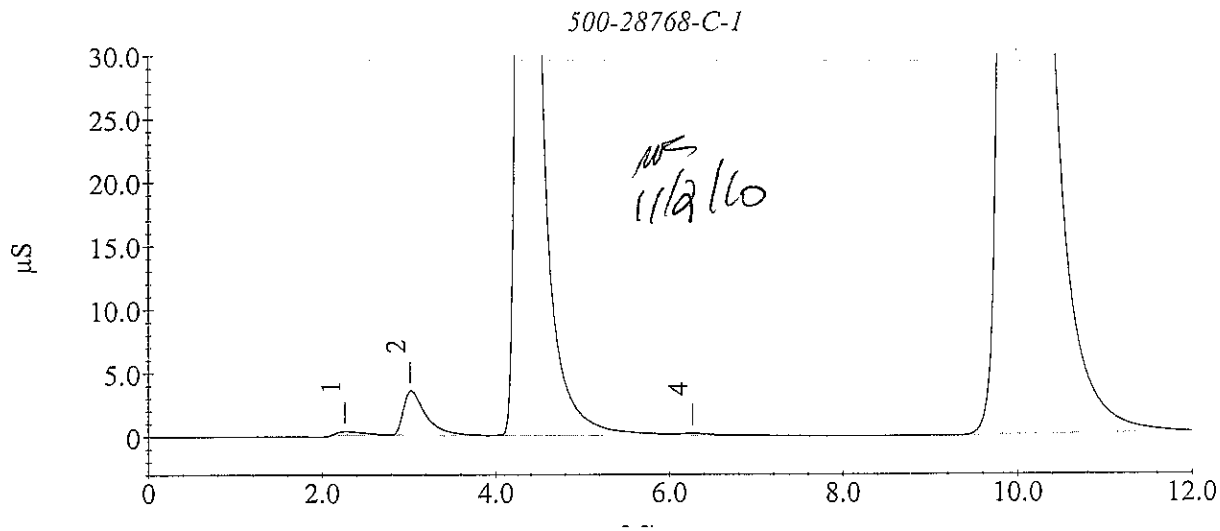
Sample Analysis Report

Sample Name : 500-28768-C-1
Data File Name : c:\peaknet\data\20101101\D5910_043.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 5:36:35 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 43

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.02	1.8775	621098	34704
3	CHLORIDE	4.35	87.2444	20145234	1480945
	NITRITE				
4	BROMIDE	6.27	0.6348	66523	1873
	NITRATE				
	OrthophosP				
5	SULFATE	9.97	281.1514	50785054	1937153



Sample Analysis Report

786 11/2/10

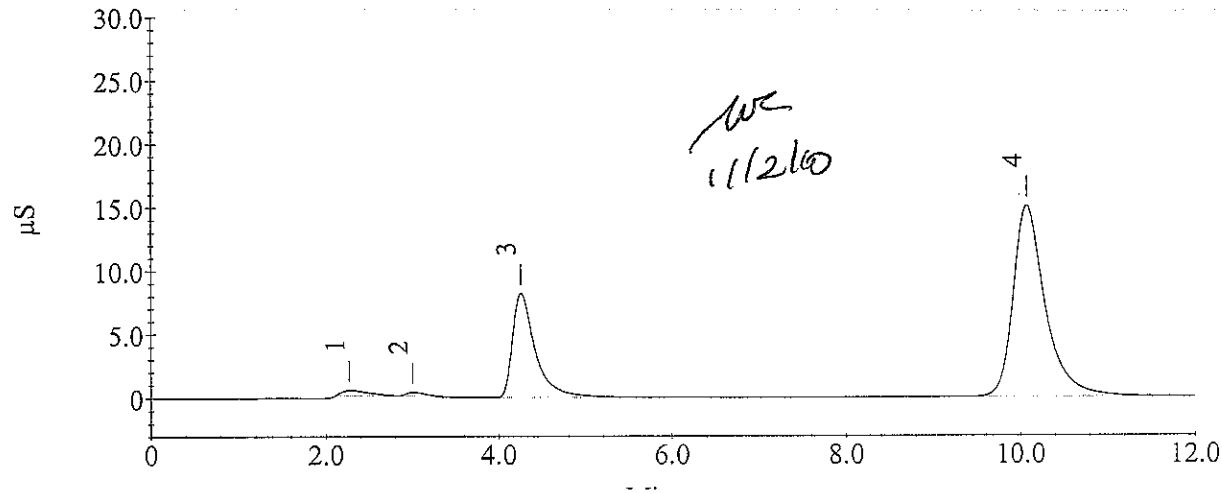
Sample Name : 500-28768-C-1
Data File Name : C:\PEAKNET\DATA\20101101\D5910_044.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 5:50:54 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 44

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.00	1.9146	50514	3131
3	CHLORIDE	4.25	65.7769	1499531	81704
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
4	SULFATE	10.07	215.5859	3874746	150136

500-28768-C-1



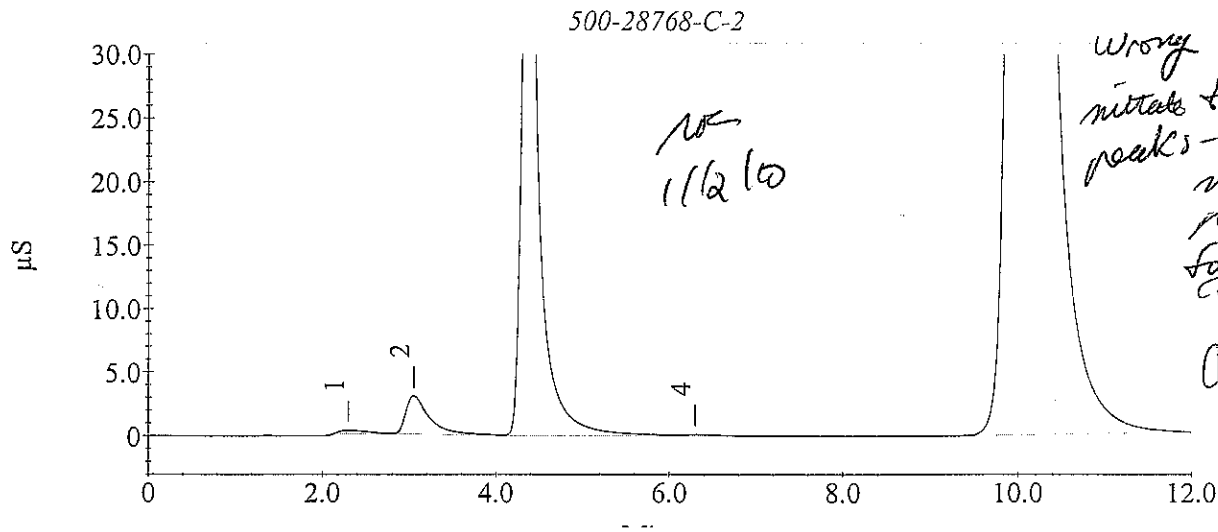
Sample Analysis Report

Sample Name : 500-28768-C-2
Data File Name : c:\peaknet\data\20101101\D5910_045.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 6:05:13 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 45

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.7022	561777	29730
3	CHLORIDE	4.37	29.7440	6854304	521420
	NITRITE				
	BROMIDE				
4	NITRATE	6.30	0.0927	30998	1068
	OrthophosP				
5	SULFATE	10.03	229.0760	41374658	1618812



Wrong nitrate + bromide peaks - see next page for correction

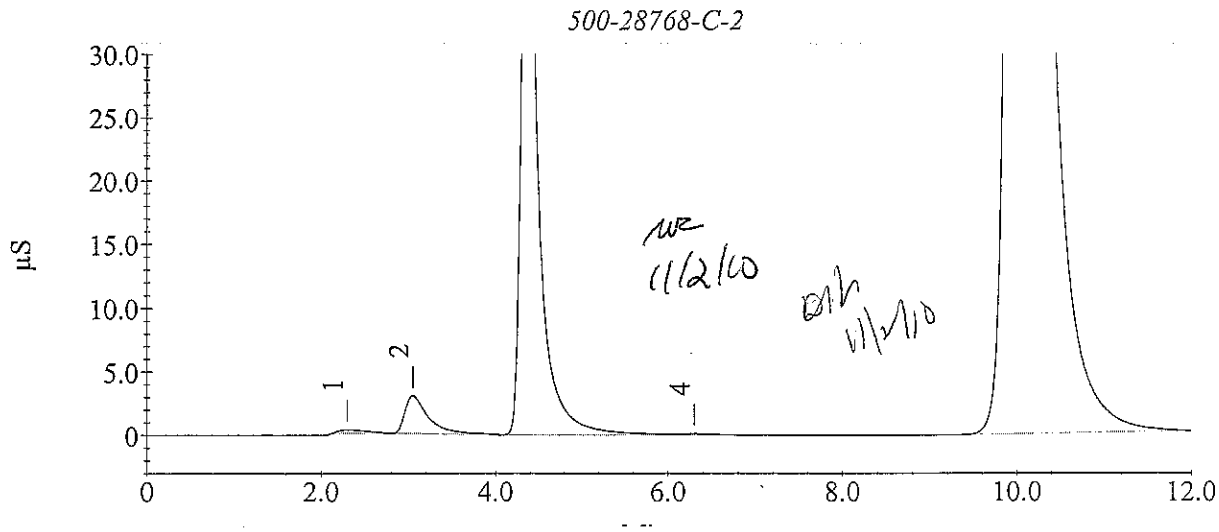
Sample Analysis Report

Sample Name : 500-28768-C-2
Data File Name : C:\PEAKNET\DATA\20101101\D5910_045.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 6:05:13 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 45

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.7022	561777	29730
3	CHLORIDE	4.37	29.7440	6854304	521420
	NITRITE				
4	BROMIDE	6.30	0.2870	30998	1068
	NITRATE				
	OrthophosP				
5	SULFATE	10.03	229.0760	41374658	1618812



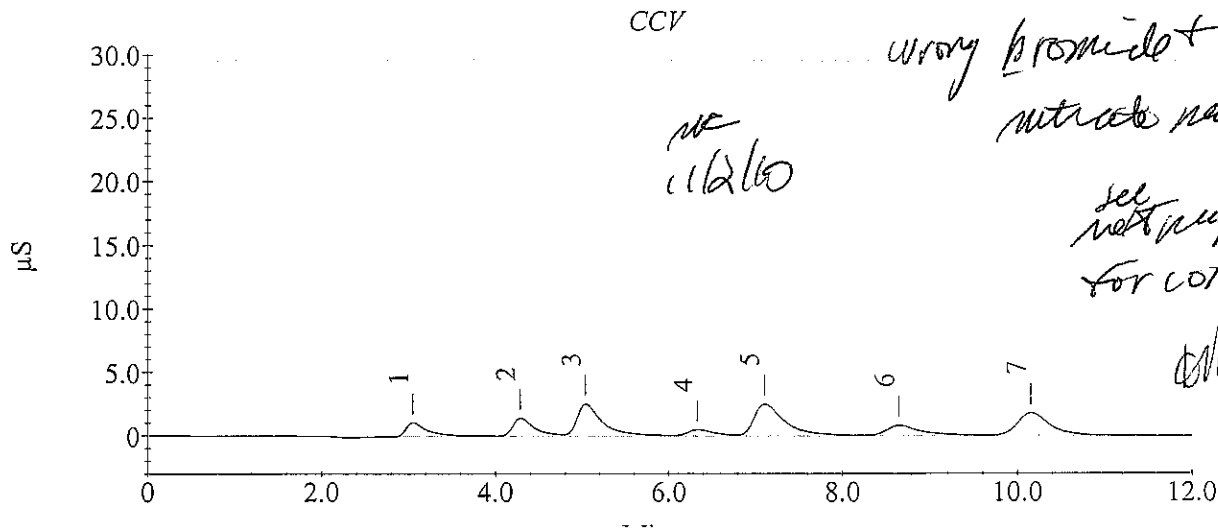
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_046.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 6:19:32 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 46

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	0.5532	172930	10417
2	CHLORIDE	4.28	1.1040	234314	13803
3	NITRITE BROMIDE	5.03	0.9901	516017	25032
4	NITRATE	6.33	0.2106	103534	4858
6	OrthophosP	8.65	0.8889	236464	8338
7	SULFATE	10.15	2.6608	459780	17871



wrong bromide + nitrate peaks — see next page for correction
11/1/10

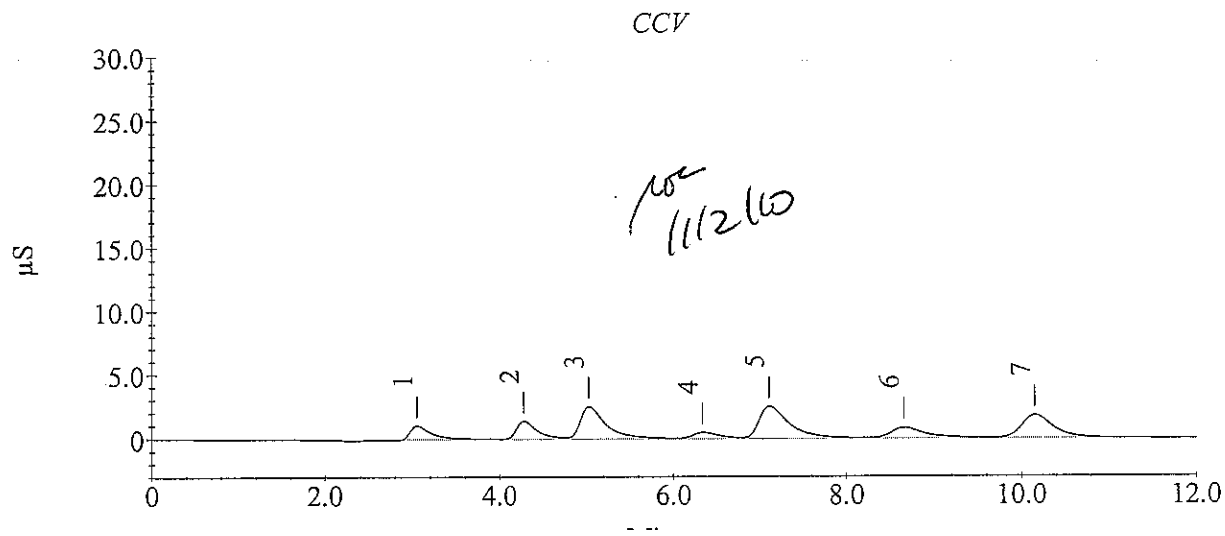
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101101\D5910_046.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 6:19:32 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 46

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	0.5532	172930	10417
2	CHLORIDE	4.28	1.1040	234314	13803
3	NITRITE	5.03	0.9901	516017	25032
4	BROMIDE	6.33	0.9970	103534	4858
5	NITRATE	7.10	1.0469	618097	24958
6	OrthophosP	8.65	0.8889	236464	8338
7	SULFATE	10.15	2.6608	459780	17871



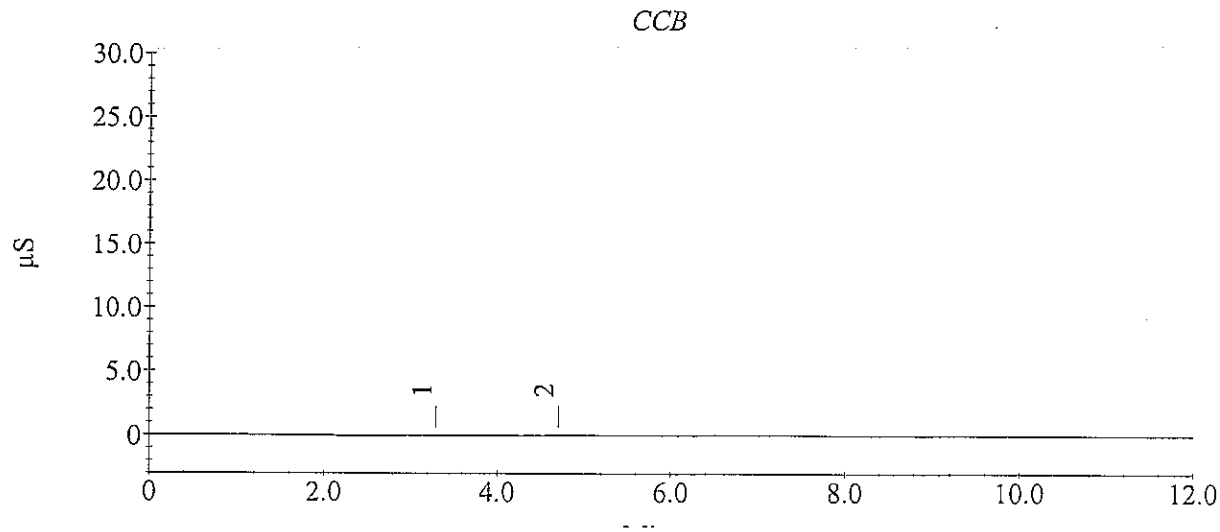
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_047.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 6:33:51 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 47

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE CHLORIDE NITRITE BROMIDE NITRATE OrthophosP SULFATE	4.70	0.0633	4974	180



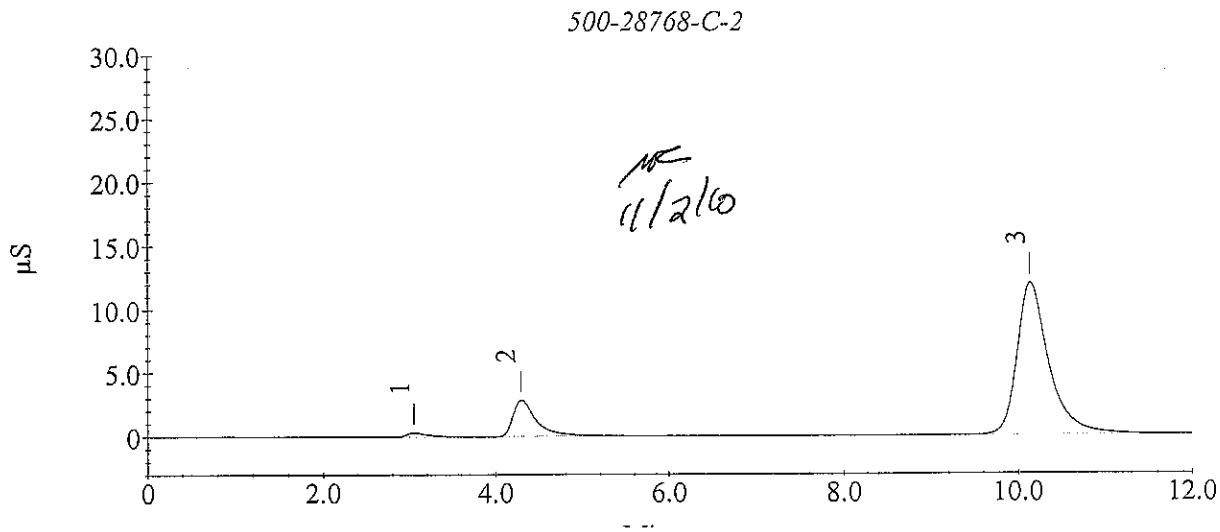
Sample Analysis Report

Sample Name : 500-28768-C-2
Data File Name : C:\PEAKNET\DATA\20101101\D5910_048.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 6:48:10 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 48

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	1.8961	49887	3057
2	CHLORIDE	4.28	23.6845	526586	28150
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.13	168.9522	3032041	119470



Sample Analysis Report

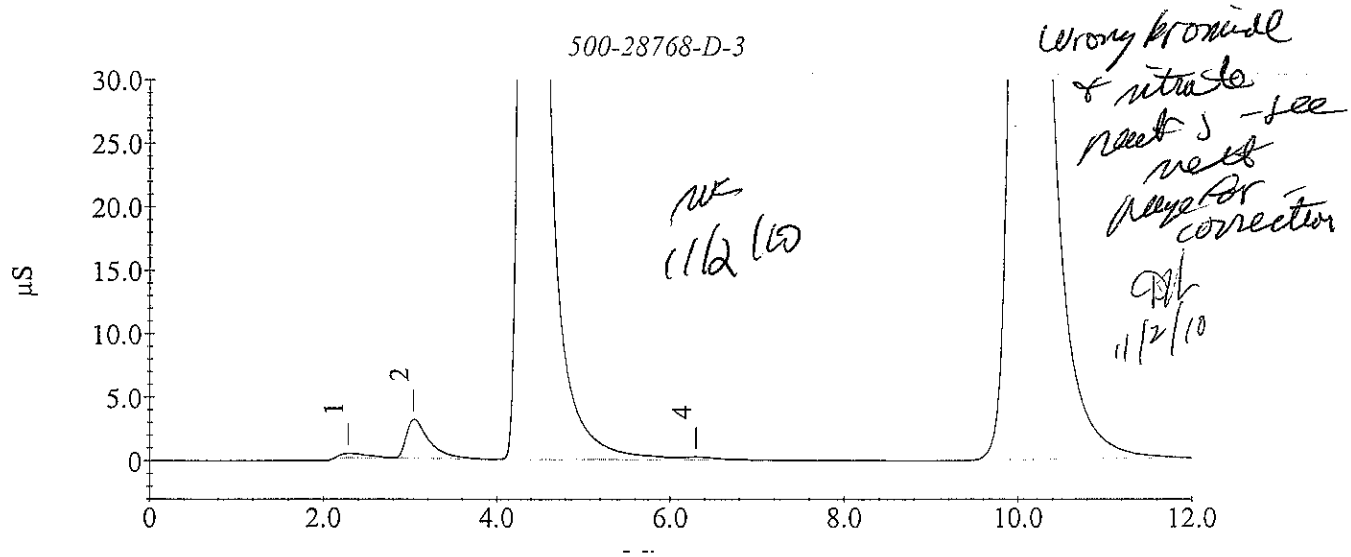
726 07 NE 11/2/10

Sample Name : 500-28768-D-3
Data File Name : c:\peaknet\data\20101101\D5910_049.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 7:02:29 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 49

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE NE	3.03	1.6799	554211	30431
3	CHLORIDE OK	4.40	134.3452	31032353	2192346
	NITRITE US				
	BROMIDE				
4	NITRATE	6.30	0.1692	78070	2387
	OrthophosP				
5	SULFATE	10.05	153.6237	27739879	1095045



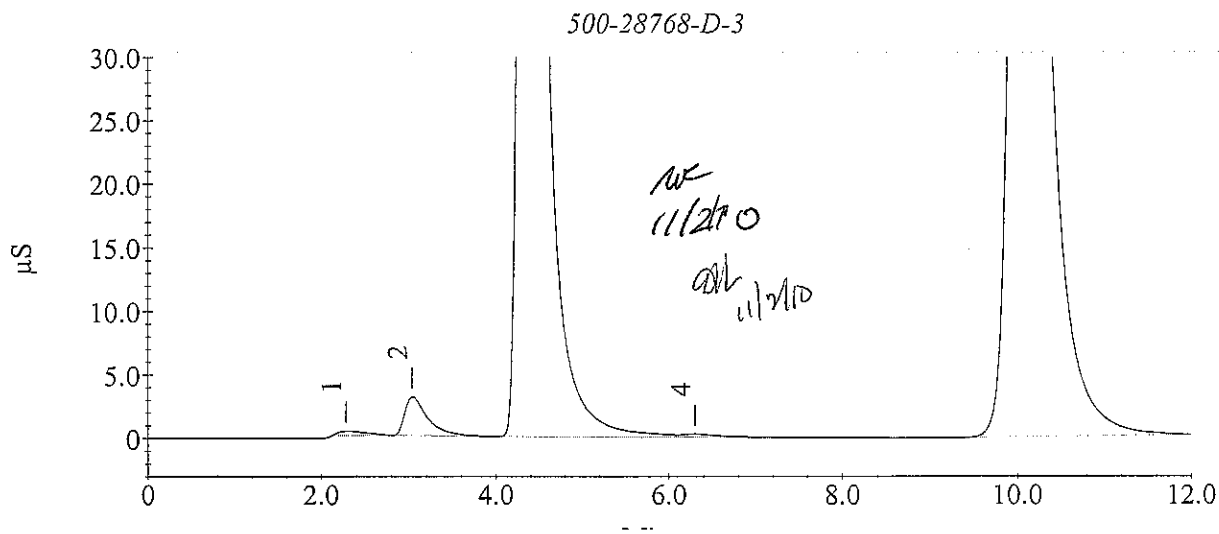
Sample Analysis Report

Sample Name : 500-28768-D-3
Data File Name : C:\PEAKNET\DATA\20101101\D5910_049.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 7:02:29 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 49

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.03	1.6799	554211	30431
3	CHLORIDE	4.40	134.3452	31032353	2192346
	NITRITE				
4	BROMIDE	6.30	0.7478	78070	2387
	NITRATE				
	OrthophosP				
5	SULFATE	10.05	153.6237	27739879	1095045



Sample Analysis Report

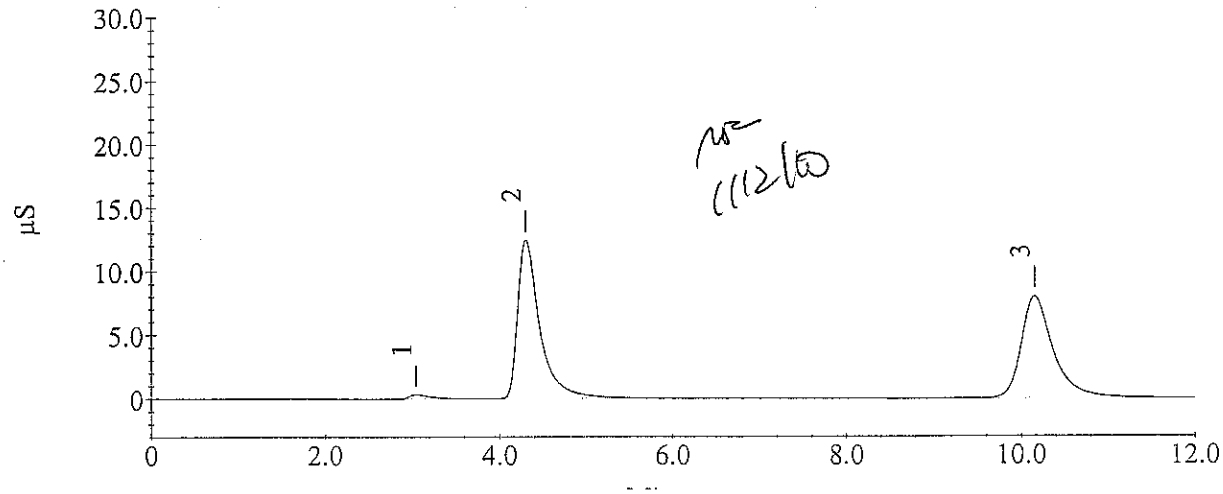
Sample Name : 500-28768-D-3
Data File Name : C:\PEAKNET\DATA\20101101\D5910_050.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 7:16:48 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 50

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	1.9660	52253	3233
2	CHLORIDE	4.30	96.1503	2201598	124264
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.15	113.8623	2036527	79800

500-28768-D-3



Sample Analysis Report

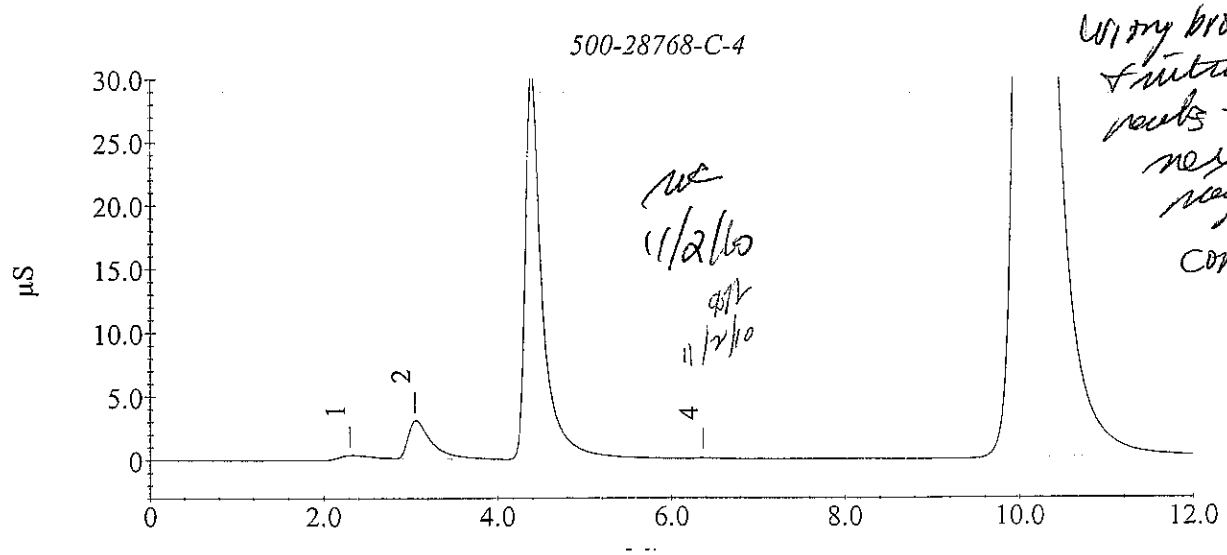
786 [illegible]

Sample Name : 500-28768-C-4
Data File Name : c:\peaknet\data\20101101\D5910_051.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 7:31:07 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 51

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.7262	569894	29771
3	CHLORIDE	4.38	18.2732	4202887	304573
	NITRITE				
	BROMIDE				
4	NITRATE	6.37	0.0675	15518	719
	OrthophosP				
5	SULFATE	10.10	162.3036	29308400	1172274



11/2/10

Using bromide + nitrite results - see next page for correction

Sample Analysis Report

786 NF 11/2/10

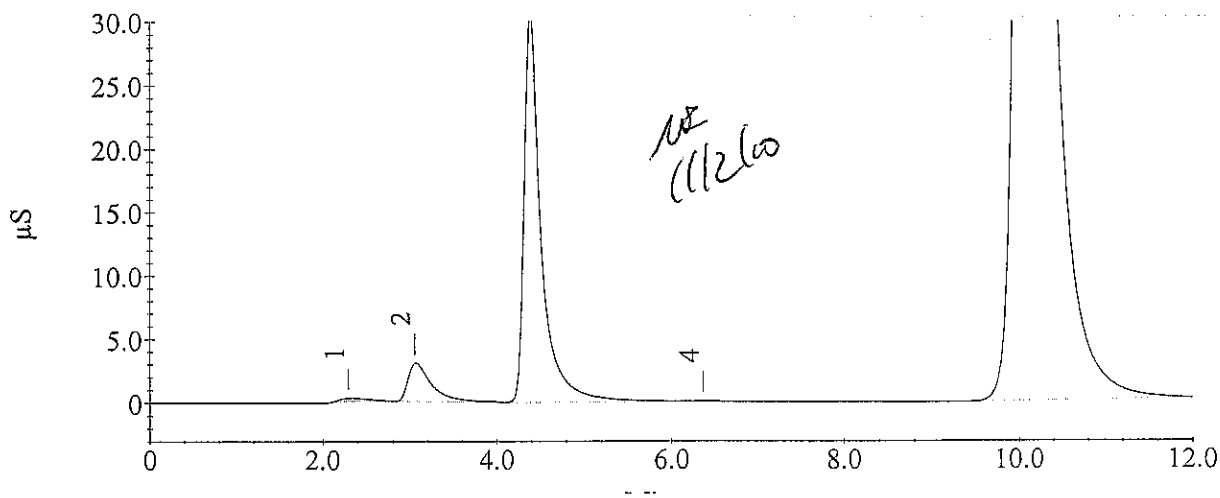
Sample Name : 500-28768-C-4
Data File Name : C:\PEAKNET\DATA\20101101\D5910_051.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 7:31:07 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 51

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE M	3.05	1.7262	569894	29771
3	CHLORIDE OR	4.38	18.2732	4202887	304573
	NITRITE				
4	BROMIDE	6.37	0.1355	15518	719
	NITRATE				
	OrthophosP				
5	SULFATE OP	10.10	162.3036	29308400	1172274

500-28768-C-4



Sample Analysis Report

786 11/2/10

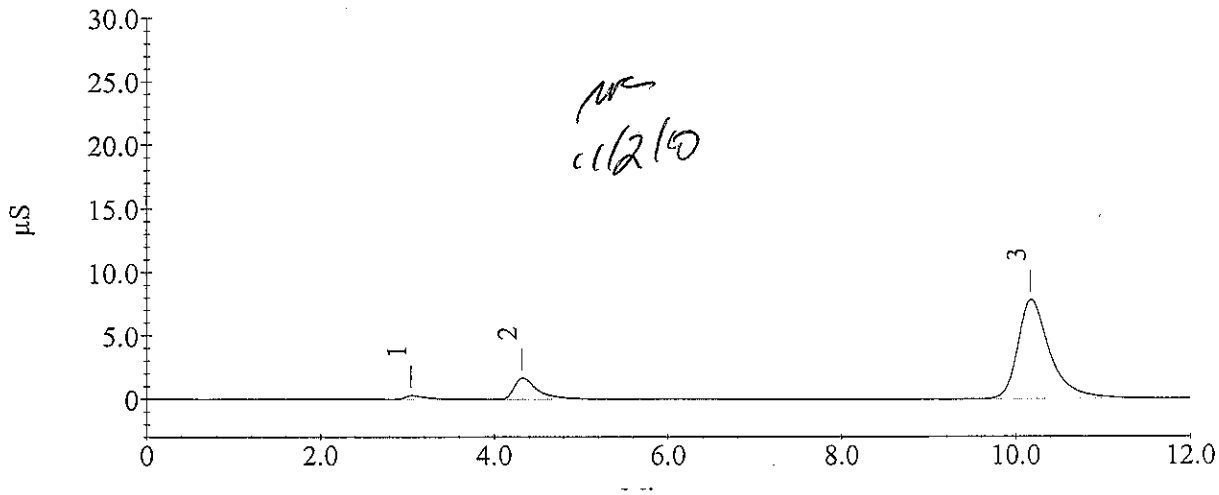
Sample Name : 500-28768-C-4
Data File Name : C:\PEAKNET\DATA\20101101\D5910_052.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 7:45:26 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 52

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	1.9039	50152	2975
2	CHLORIDE	4.32	14.8797	323069	16576
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.17	111.8387	1999958	78128

500-28768-C-4



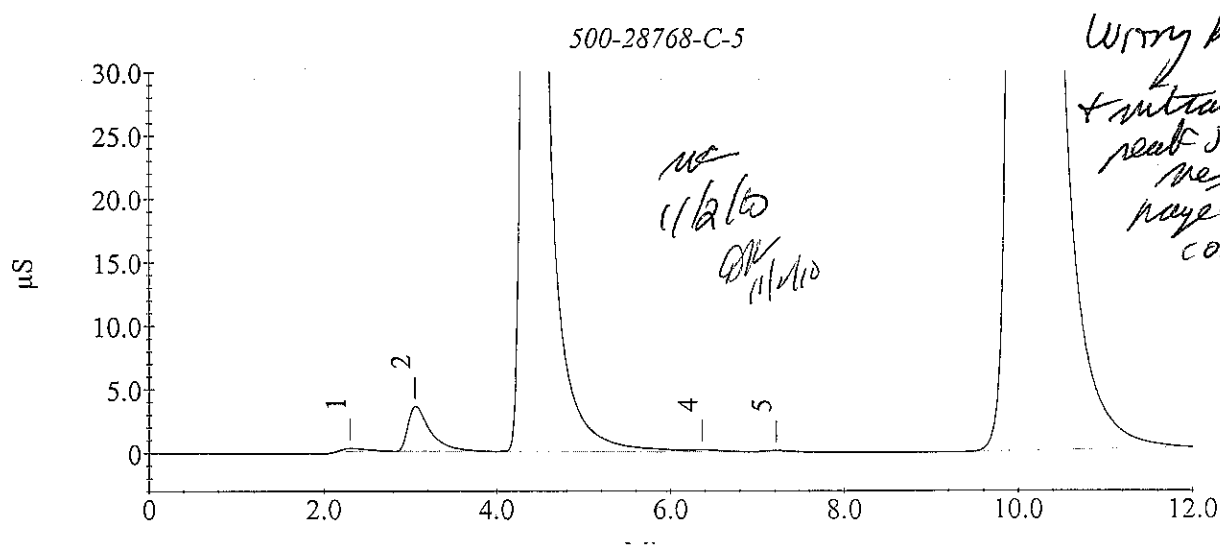
7/6 11/2/10 **Sample Analysis Report**

Sample Name : 500-28768-C-5
Data File Name : c:\peaknet\data\20101101\D5910_053.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 7:59:45 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 53

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9268	637789	35138
3	CHLORIDE	4.40	93.8660	21675790	1524928
	NITRITE				
	BROMIDE				
4	NITRATE	6.37	0.1145	44433	1706
	OrthophosP				
6	SULFATE	10.05	279.1323	50420189	1893941



Wrong bromide + nitrate peak j-see next page for correction

Sample Analysis Report

716 11/2/10

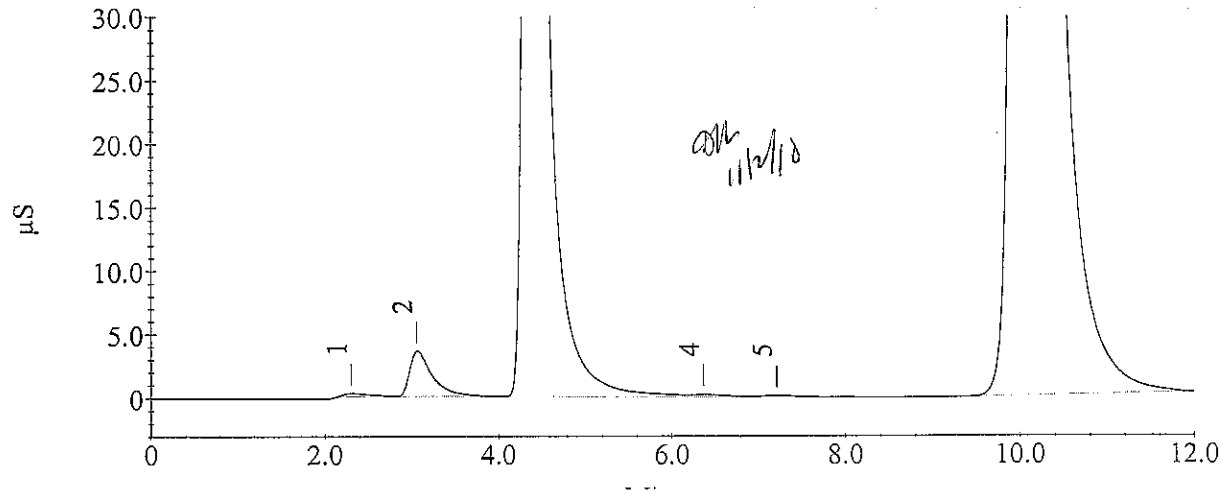
Sample Name : 500-28768-C-5
Data File Name : C:\PEAKNET\DATA\20101101\D5910_053.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 7:59:45 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 53

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9268	637789	35138
3	CHLORIDE	4.40	93.8660	21675790	1524928
	NITRITE				
4	BROMIDE	6.37	0.4185	44433	1706
5	NITRATE	7.22	0.0952	32576	1221
	OrthophosP				
6	SULFATE	10.05	279.1323	50420189	1893941

500-28768-C-5



786 11/2/10

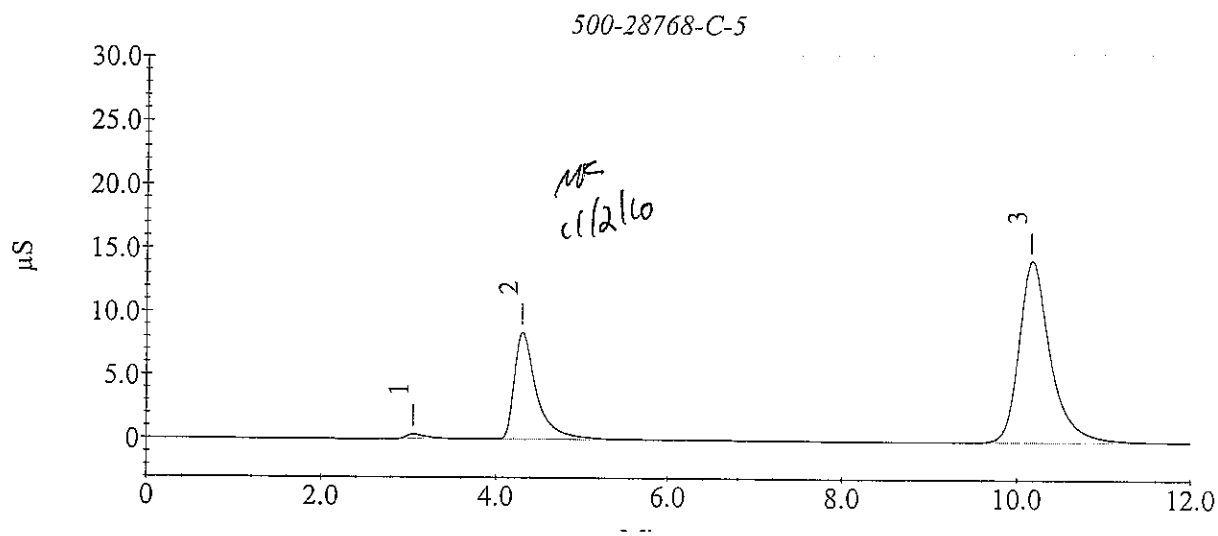
Sample Analysis Report

Sample Name : 500-28768-C-5
Data File Name : C:\PEAKNET\DATA\20101101\D5910_054.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 8:14:04 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 54

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	11/2/10				
1	FLUORIDE	3.05	2.0705	55789	3494
2	CHLORIDE	4.30	66.2313	1510035	83987
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.15	201.6745	3623357	142528



Sample Analysis Report

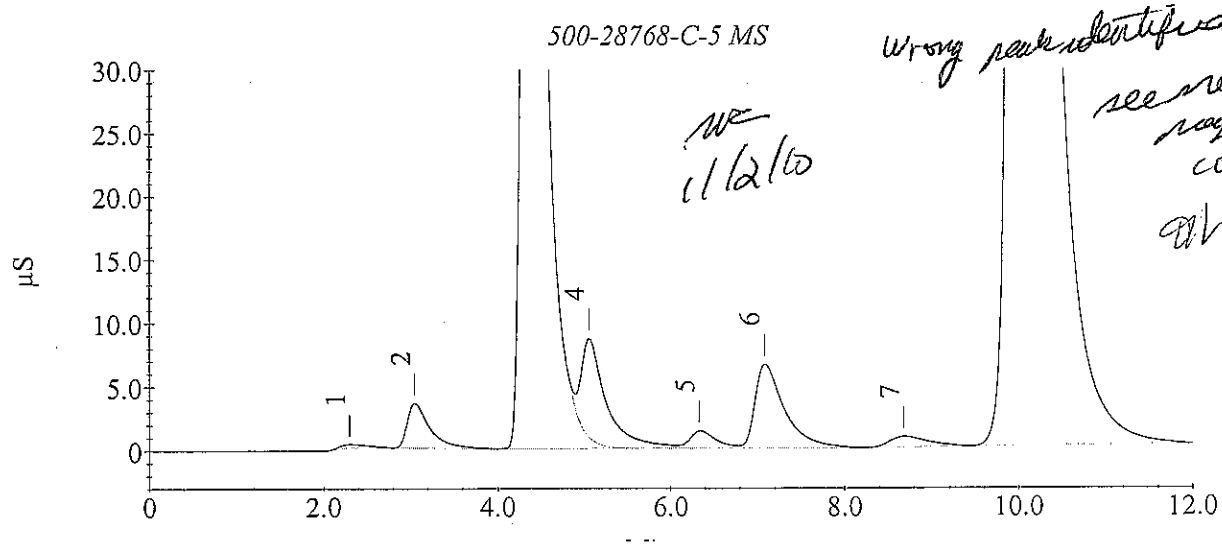
286 NF 11/2/10

Sample Name : 500-28768-C-5 MS
Data File Name : c:\peaknet\data\20101101\D5910_055.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:28:23 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 55

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9081	631457	35002
3	CHLORIDE	4.40	94.0820	21725706	1585615
4	NITRITE	5.05	2.9403	1591272	77219
	BROMIDE				
5	NITRATE	6.33	0.5048	284527	13661
7	OrthophosP	8.68	0.9683	255305	8475
8	SULFATE	10.03	277.7728	50174515	1887175



Sample Analysis Report

JPC 11/2/10

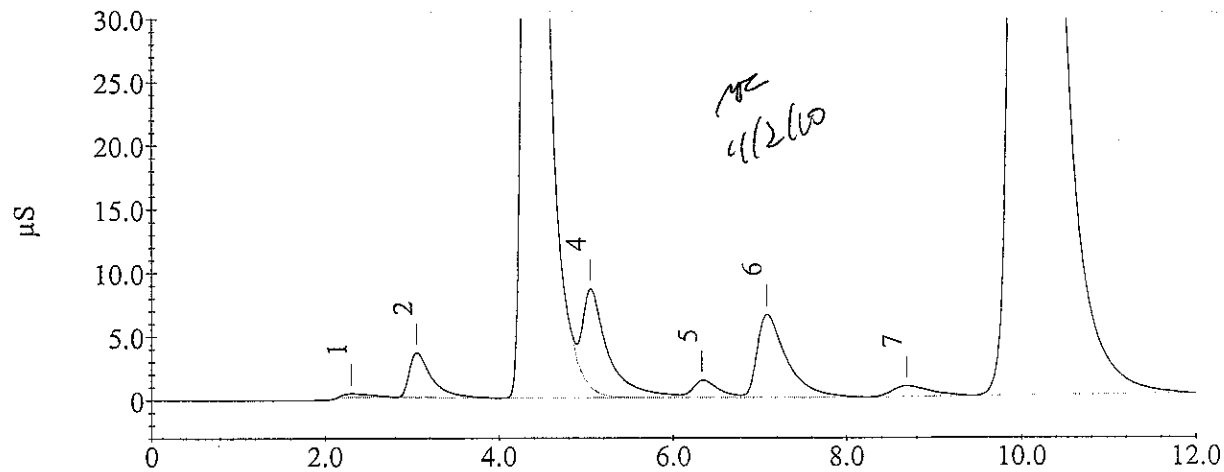
Sample Name : 500-28768-C-5 MS
Data File Name : C:\PEAKNET\DATA\20101101\D5910_055.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 8:28:23 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 55

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9081	631457	35002
3	CHLORIDE	4.40	94.0820	21725706	1585615
4	NITRITE	5.05	2.9403	1591272	77219
5	BROMIDE	6.33	2.7687	284527	13661
6	NITRATE	7.08	2.5096	1518002	65259
7	OrthophosP	8.68	0.9683	255305	8475
8	SULFATE	10.03	277.7728	50174515	1887175

500-28768-C-5 MS



Sample Analysis Report

706 ~~28768~~ 11/2/10

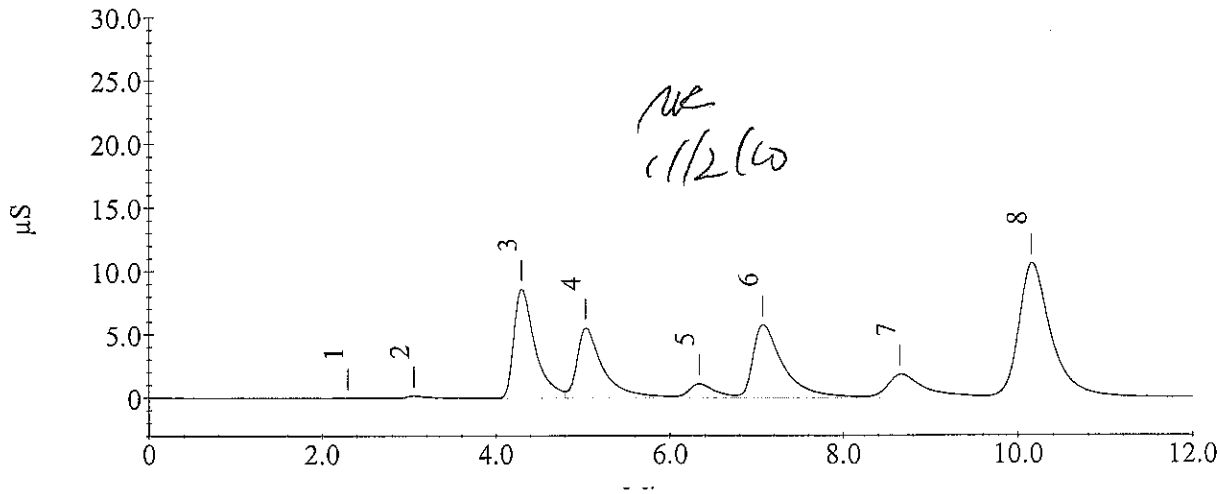
Sample Name : 500-28768-C-5 MS
Data File Name : c:\peaknet\data\20101101\D5910_056.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:42:42 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 56

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	2.5037	28086	1750
3	CHLORIDE	4.30	128.1104	1459735	85970
4	NITRITE	5.03	42.2535	1134933	55185
	BROMIDE				
5	NITRATE	6.33	8.2473	227684	10954
7	OrthophosP	8.65	42.2544	527110	18186
8	SULFATE	10.15	299.3025	2683259	105579

500-28768-C-5 MS



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Sample Analysis Report

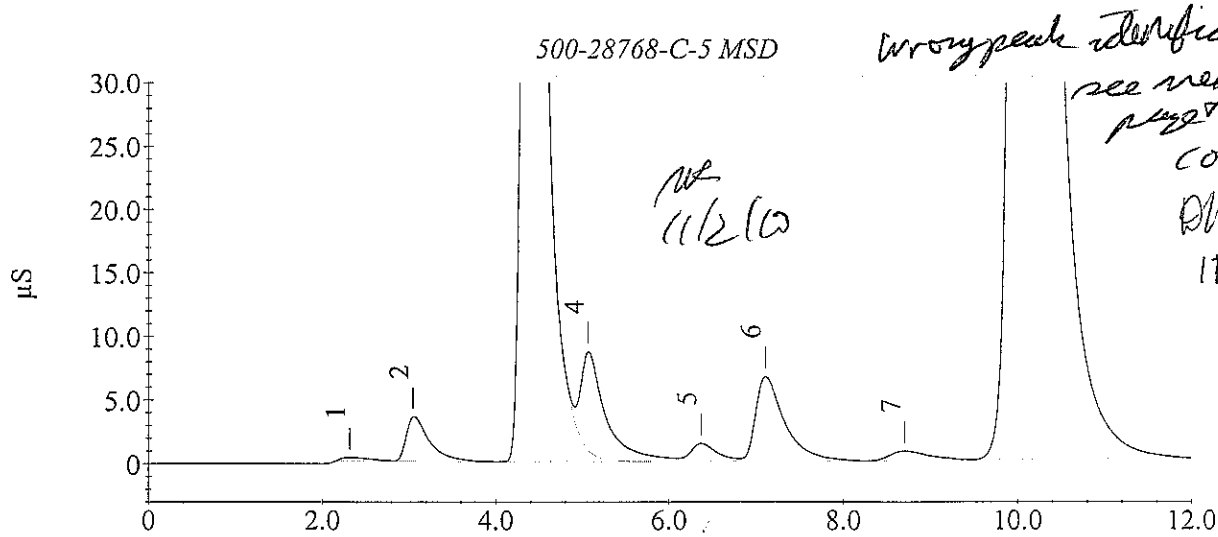
786 11/2/10

Sample Name : 500-~~28768~~-C-5 MSD
Data File Name : c:\peaknet\data\20101101\D5910_057.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 8:57:00 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 57

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9135	633271	34611
3	CHLORIDE	4.42	94.1952	21751889	1584527
4	NITRITE	5.07	2.9726	1609035	77028
	BROMIDE				
5	NITRATE	6.37	0.5109	288293	13933
7	OrthophosP	8.72	0.8451	226043	7453
8	SULFATE	10.07	276.7078	49982073	1903153



wrong peak identification see next page for correction DW 11/2/10

11/2/10

Sample Analysis Report

726 11/2/10

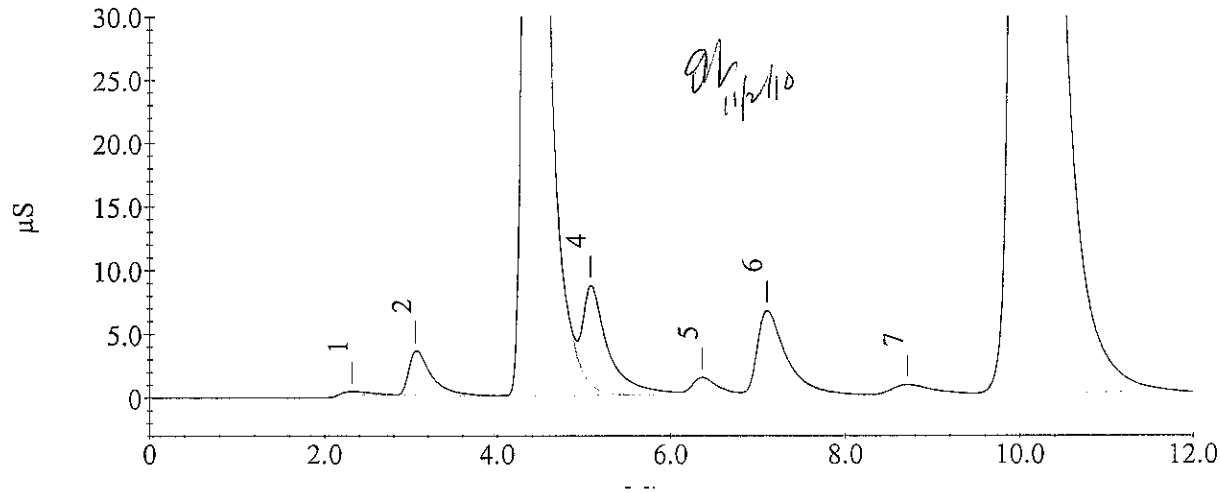
Sample Name : 500-28768-C-5 MSD
Data File Name : C:\PEAKNET\DATA\20101101\D5910_057.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 8:57:00 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 57

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	1.9135	633271	34611
3	CHLORIDE	4.42	94.1952	21751889	1584527
4	NITRITE	5.07	2.9726	1609035	77028
5	BROMIDE	6.37	2.8056	288293	13933
6	NITRATE	7.10	2.5082	1517141	65997
7	OrthophosP	8.72	0.8451	226043	7453
8	SULFATE	10.07	276.7078	49982073	1903153

500-28768-C-5 MSD



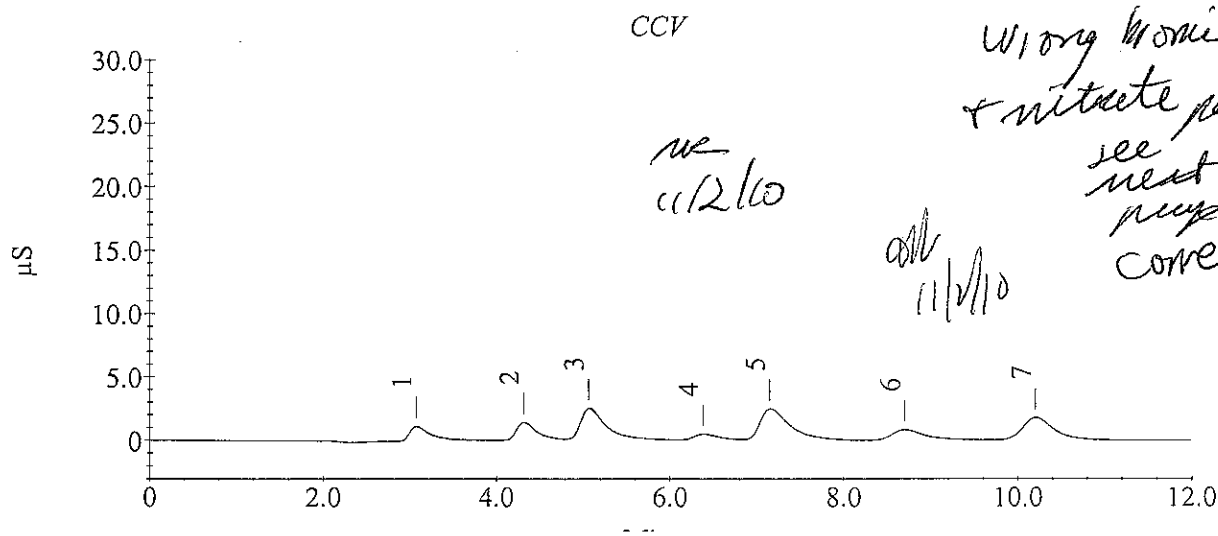
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_058.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:11:19 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 58

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.5686	178145	10837
2	CHLORIDE	4.32	1.1236	238844	14088
3	NITRITE BROMIDE	5.07	1.0103	527160	25176
4	NITRATE	6.38	0.2155	106548	4956
6	OrthophosP	8.70	0.8758	233331	8495
7	SULFATE	10.20	2.6914	465299	17929



wrong bromide + nitrate peaks — see next page for correction

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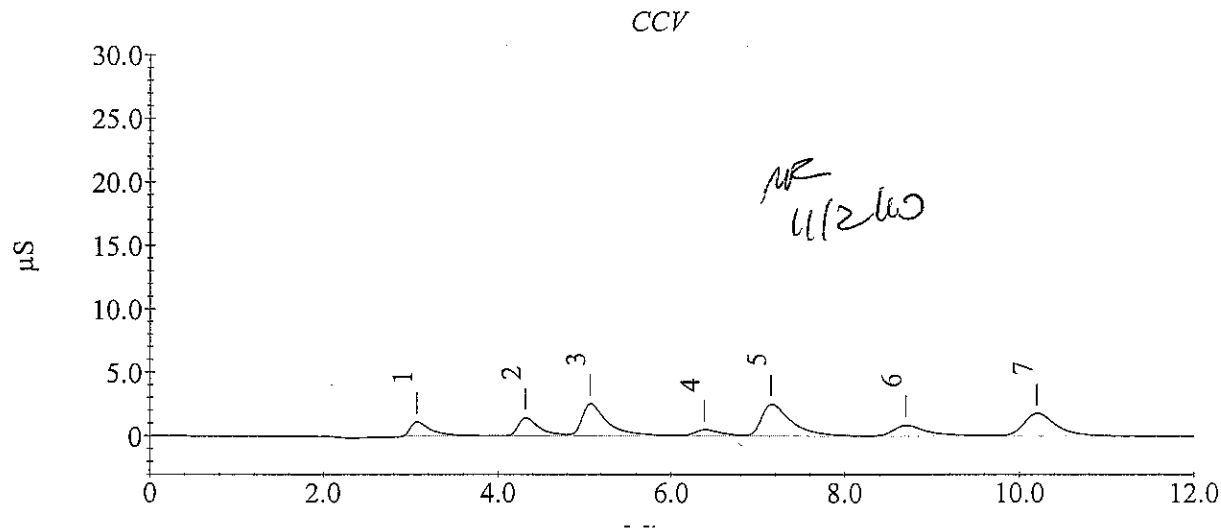
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101101\D5910_058.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 9:11:19 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 58

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.5686	178145	10837
2	CHLORIDE	4.32	1.1236	238844	14088
3	NITRITE	5.07	1.0103	527160	25176
4	BROMIDE	6.38	1.0265	106548	4956
5	NITRATE	7.15	1.0357	611193	24923
6	OrthophosP	8.70	0.8758	233331	8495
7	SULFATE	10.20	2.6914	465299	17929



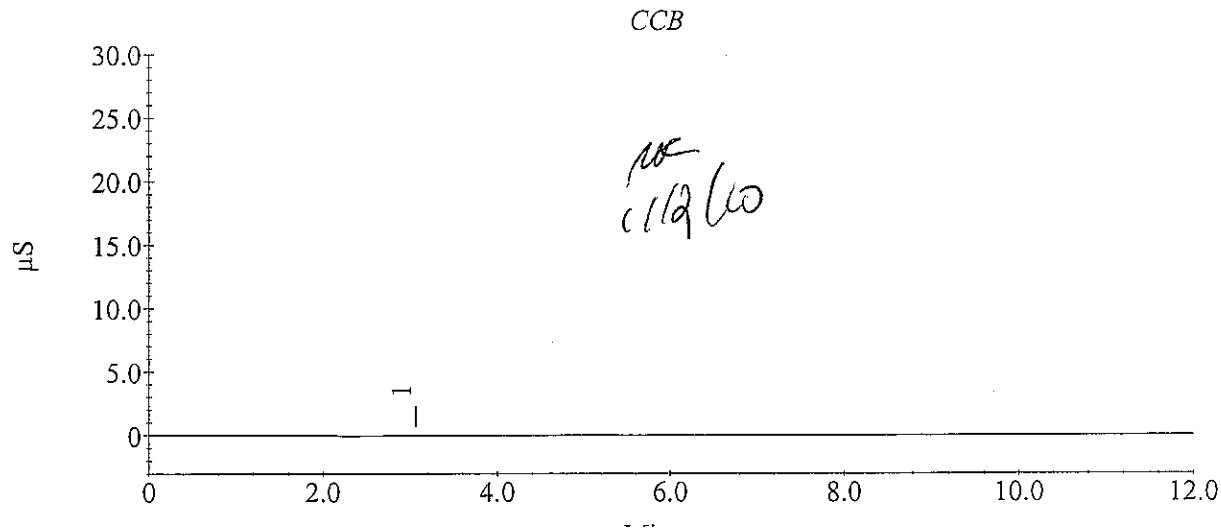
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_059.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:25:38 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 59

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.0531	3707	121
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



Sample Analysis Report

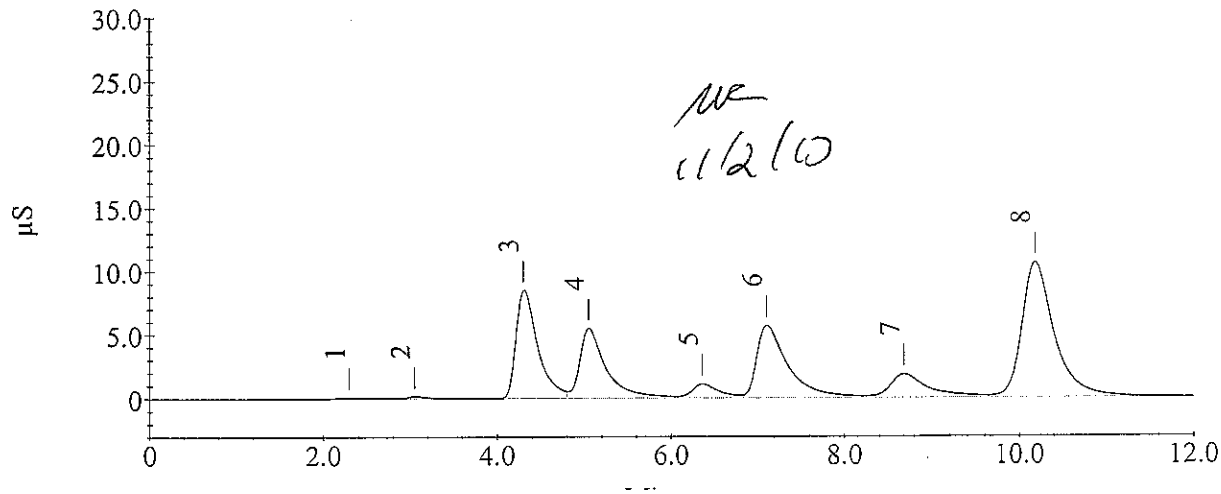
Sample Name : 500-28768-C-5 MSD
Data File Name : c:\peaknet\data\20101101\D5910_060.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:39:57 PM
System Operator : Pete Ficarello
Dilution Factor : 20.00
Injection Number : 60

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	2.4580	27312	1689
3	CHLORIDE	4.30	128.4800	1464007	84561
4	NITRITE	5.05	42.7005	1147254	54670
	BROMIDE				
5	NITRATE	6.37	8.5980	238474	10930
7	OrthophosP	8.68	45.4892	565523	18494
8	SULFATE	10.18	305.1778	2736345	105697

500-28768-C-5 MSD



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11/2/10

Sample Analysis Report

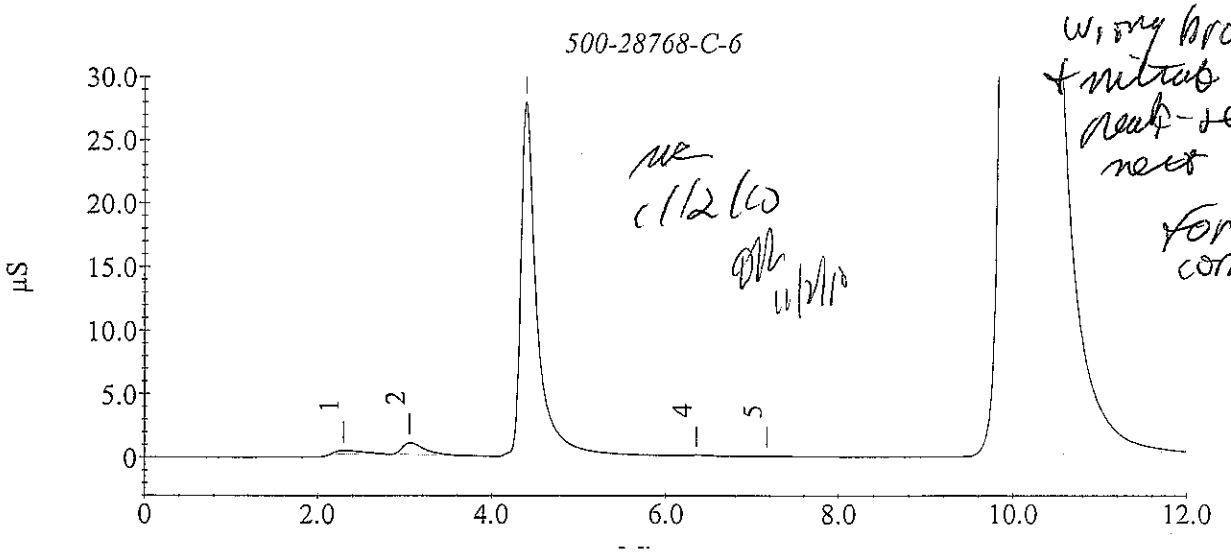
786 11/2/10

Sample Name : 500-28768-C-6
Data File Name : c:\peaknet\data\20101101\D5910_061.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 9:54:16 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 61

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	0.5747	180202	9362
3	CHLORIDE	4.40	15.8764	3648886	279420
	NITRITE				
	BROMIDE				
4	NITRATE	6.35	0.0940	31832	1072
	OrthophosP				
6	SULFATE	10.03	350.1047	63245421	2337098



wrong bromide + nitrate peak - see next page for correction

11/2/10
11/2/10

Sample Analysis Report

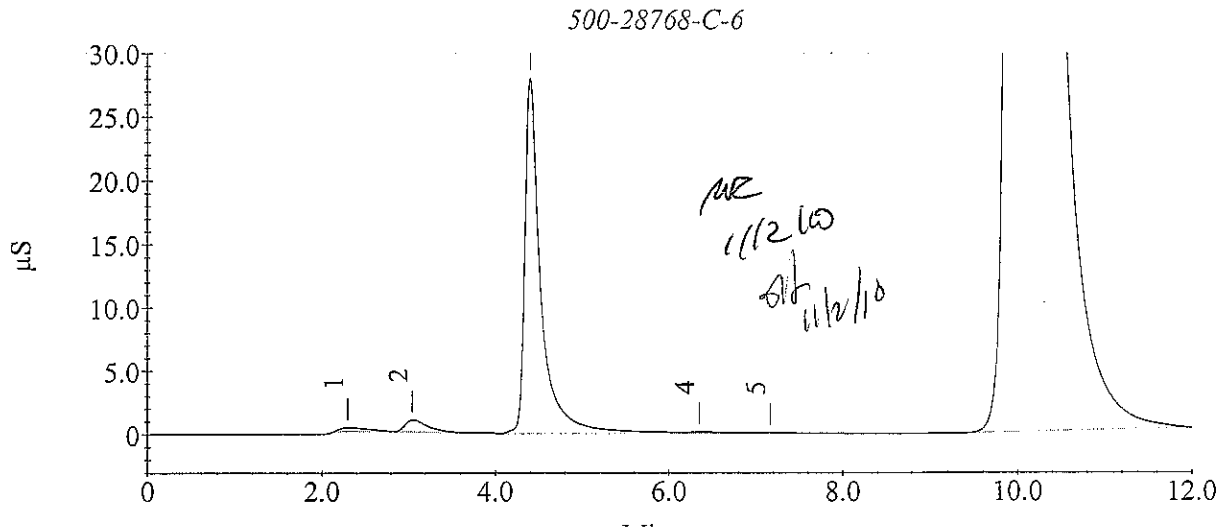
7/6 11/2/10

Sample Name : 500-28768-C-6
Data File Name : C:\PEAKNET\DATA\20101101\D5910_061.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 9:54:16 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 61

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	3.05	0.5747	180202	9362
3	CHLORIDE	4.40	15.8764	3648886	279420
	NITRITE				
4	BROMIDE	6.35	0.2952	31832	1072
5	NITRATE	7.17	0.0650	13967	500
	OrthophosP				
6	SULFATE	10.03	350.1047	63245421	2337098



Sample Analysis Report

786 11/2/10

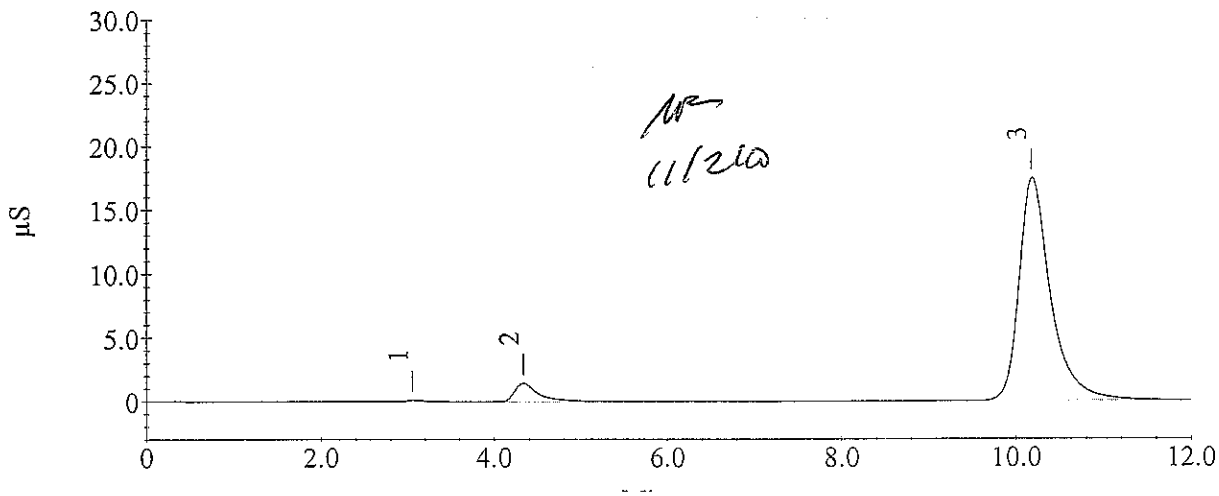
Sample Name : 500-28768-C-6
Data File Name : C:\PEAKNET\DATA\20101101\D5910_062.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 10:08:35 PM
System Operator : Pete Ficarello
Dilution Factor : 10.00
Injection Number : 62

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.05	0.9891	19193	1211
2	CHLORIDE	4.33	12.9214	277803	14573
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
3	SULFATE	10.17	242.9291	4368857	174278

500-28768-C-6



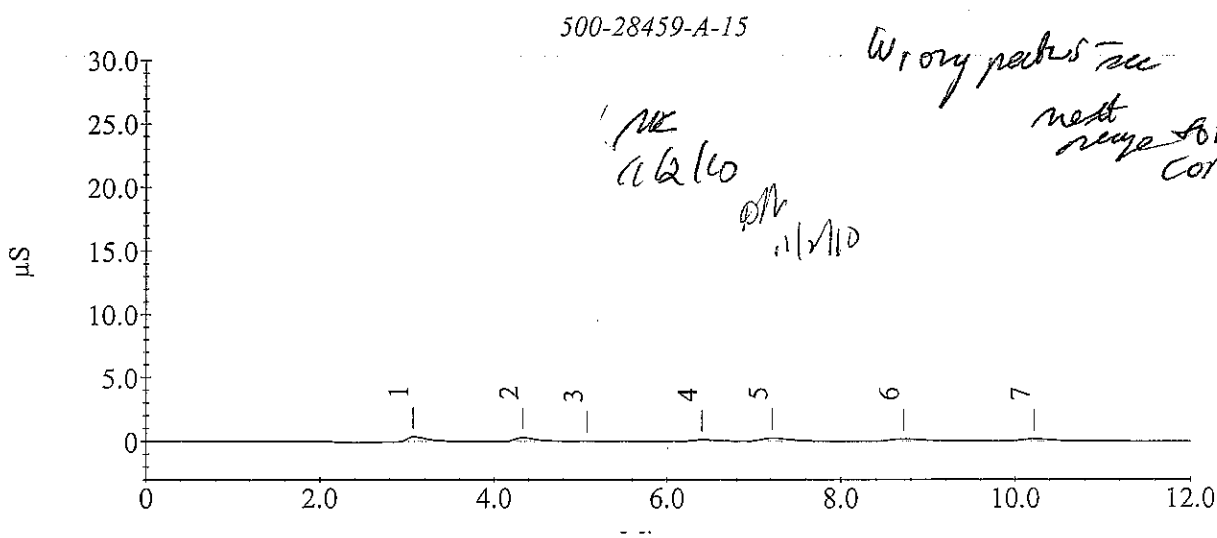
Sample Analysis Report

Sample Name : 500-28459-A-15
Data File Name : C:\PEAKNET\DATA\20101101\D5910_063.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 10:22:54 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 63

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2102	56856	3695
2	CHLORIDE	4.33	0.3510	60263	3134
3	NITRITE	5.08	0.0712	9333	402
	BROMIDE				
4	NITRATE	6.40	0.0931	31276	1295
6	OrthophosP	8.72	0.1572	62682	1913
7	SULFATE	10.22	0.4071	52513	1841



Wrong peaks see next page for correction

Sample Analysis Report

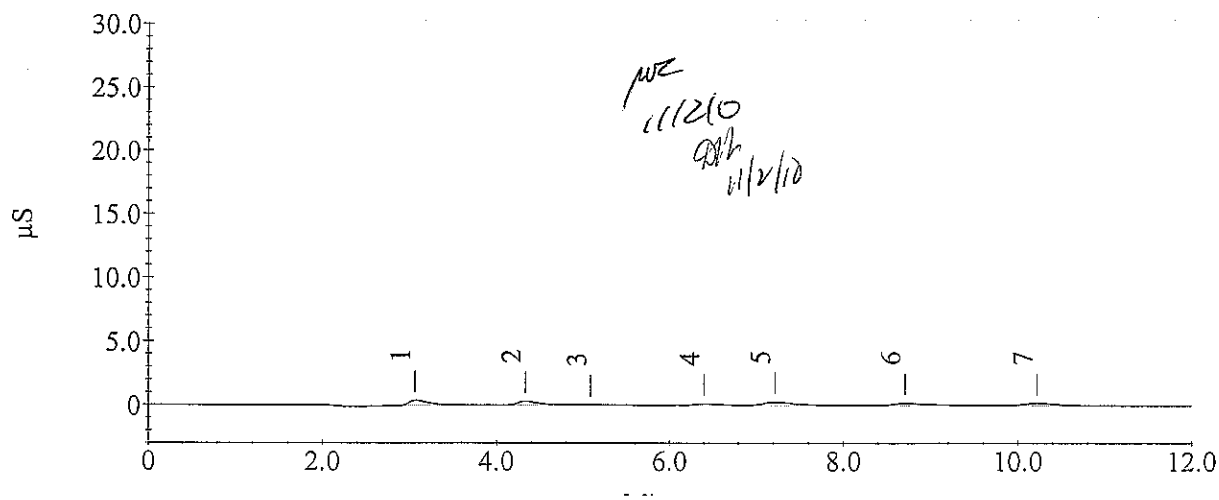
Sample Name : 500-28459-A-15
Data File Name : C:\PEAKNET\DATA\20101101\D5910_063.DXD

Method File Name : C:\PEAKNET\METHOD\DX-120.met
Date Time Collected : 11/1/10 10:22:54 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 63

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2102	56856	3695
2	CHLORIDE	4.33	0.3510	60263	3134
3	NITRITE	5.08	0.0712	9333	402
4	BROMIDE	6.40	0.2897	31276	1295
5	NITRATE	7.22	0.1535	68438	2639
6	OrthophosP	8.72	0.1572	62682	1913
7	SULFATE	10.22	0.4071	52513	1841

500-28459-A-15



pwz 11/2/10
11/2/10

Sample Analysis Report

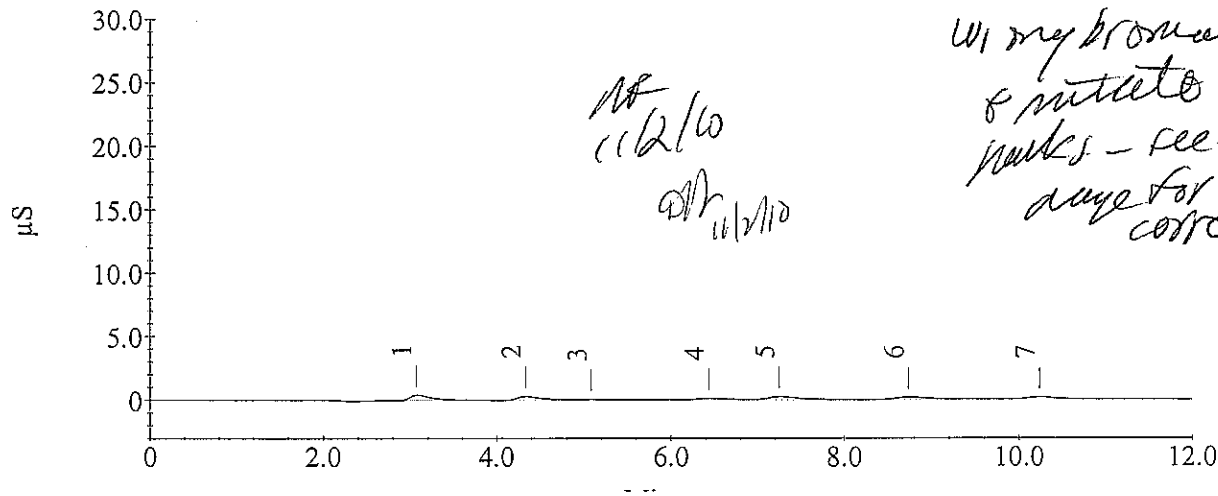
Sample Name : 500-28459-A-16
Data File Name : c:\peaknet\data\20101101\D5910_064.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:37:13 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 64

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2253	61970	3857
2	CHLORIDE	4.33	0.3380	57270	2988
3	NITRITE	5.08	0.0680	7583	349
	BROMIDE				
4	NITRATE	6.43	0.0829	24984	1127
6	OrthophosP	8.73	0.1203	53909	1806
7	SULFATE	10.23	0.3238	37472	1549

500-28459-A-16



NF 11/2/10
DM 11/2/10

w/ my bromide & nitrite peaks - see next page for correction

Sample Analysis Report

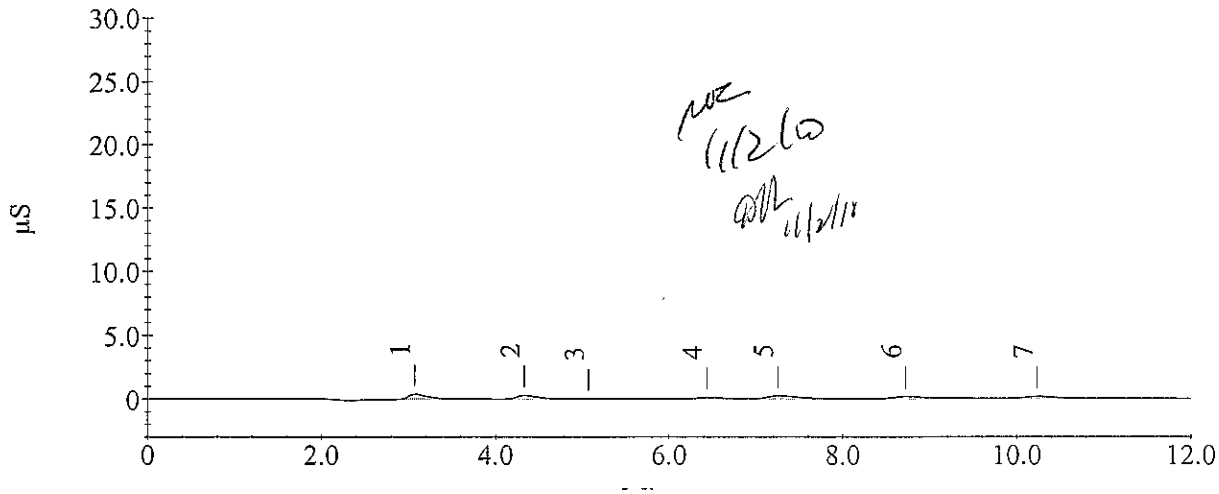
Sample Name : 500-28459-A-16
Data File Name : C:\PEAKNET\DATA\20101101\D5910_064.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:37:13 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 64

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2253	61970	3857
2	CHLORIDE	4.33	0.3380	57270	2988
3	NITRITE	5.08	0.0680	7583	349
4	BROMIDE	6.43	0.2281	24984	1127
5	NITRATE	7.25	0.1430	61975	2420
6	OrthophosP	8.73	0.1203	53909	1806
7	SULFATE	10.23	0.3238	37472	1549

500-28459-A-16



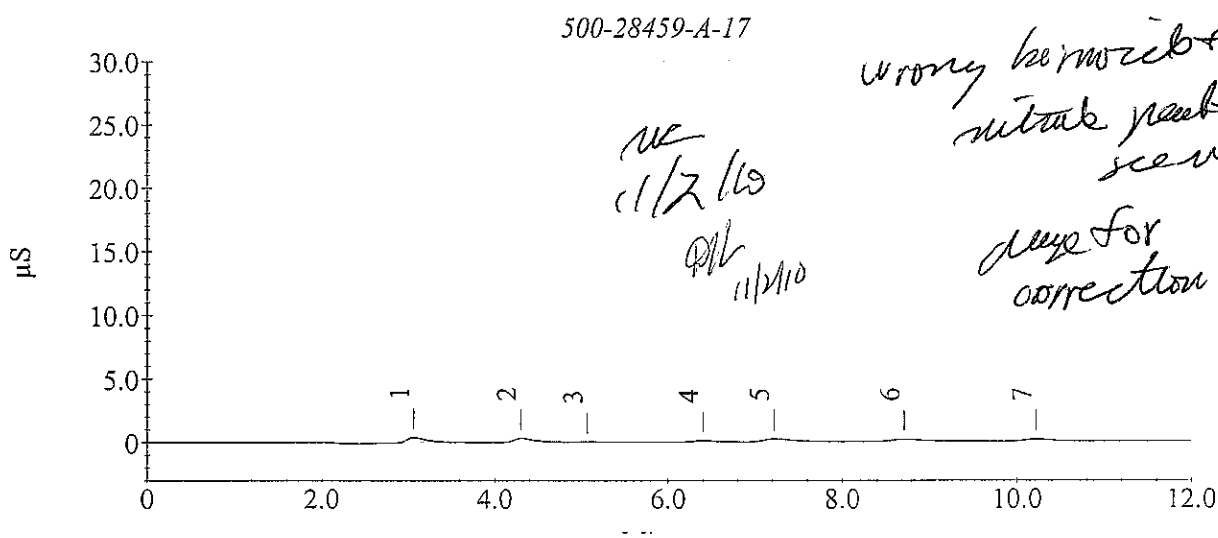
Sample Analysis Report

Sample Name : 500-28459-A-17
Data File Name : c:\peaknet\data\20101101\D5910_065.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:51:31 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 65

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2215	60687	3795
2	CHLORIDE	4.30	0.3252	54309	3055
3	NITRITE	5.07	0.0600	3159	214
	BROMIDE				
4	NITRATE	6.40	0.0753	20321	1036
6	OrthophosP	8.72	0.1335	57050	1879
7	SULFATE	10.22	0.3227	37268	1545



wrong bromide + nitrate peaks - see next page for correction

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PN 11/2/10

Sample Analysis Report

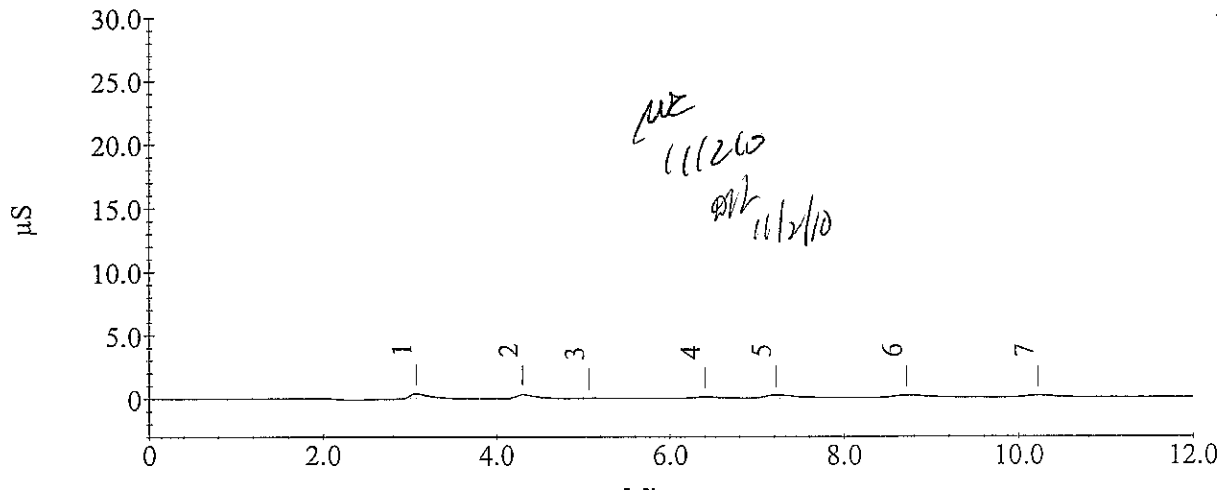
Sample Name : 500-28459-A-17
Data File Name : C:\PEAKNET\DATA\20101101\D5910_065.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 10:51:31 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 65

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2215	60687	3795
2	CHLORIDE	4.30	0.3252	54309	3055
3	NITRITE	5.07	0.0600	3159	214
4	BROMIDE	6.40	0.1825	20321	1036
5	NITRATE	7.22	0.1386	59235	2331
6	OrthophosP	8.72	0.1335	57050	1879
7	SULFATE	10.22	0.3227	37268	1545

500-28459-A-17



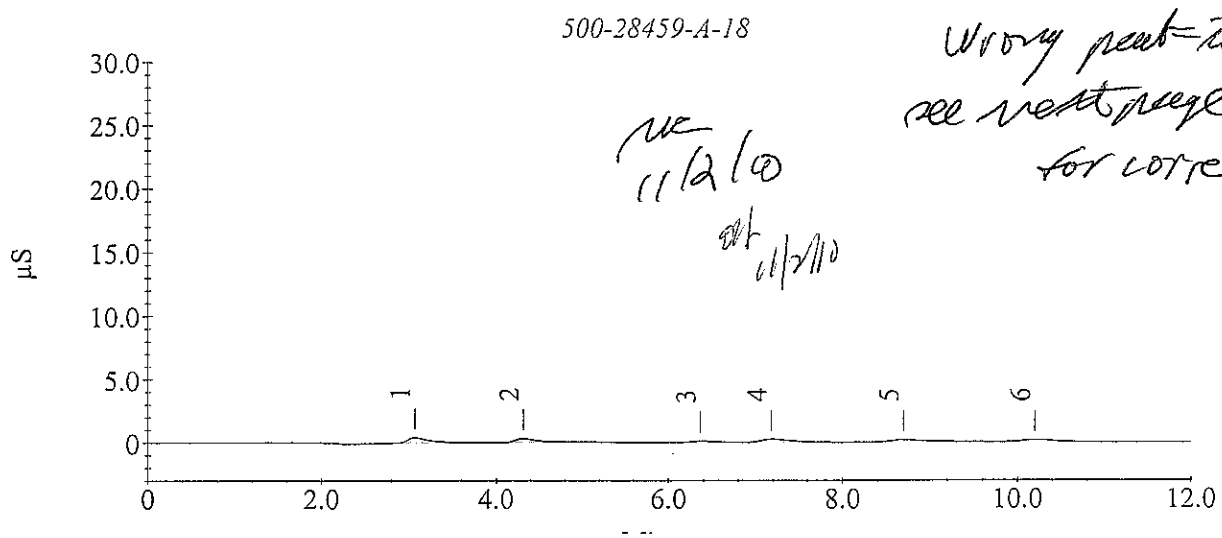
Sample Analysis Report

Sample Name : 500-28459-A-18
Data File Name : c:\peaknet\data\20101101\D5910_066.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:05:50 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 66

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2172	59210	3845
2	CHLORIDE	4.32	0.3024	49020	2942
	NITRITE				
	BROMIDE				
3	NITRATE	6.37	0.0798	23086	1083
5	OrthophosP	8.70	0.1838	68996	1963
6	SULFATE	10.20	0.3920	49788	1757



Wrong peak identification
see next page
for correction
11/2/10
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Sample Analysis Report

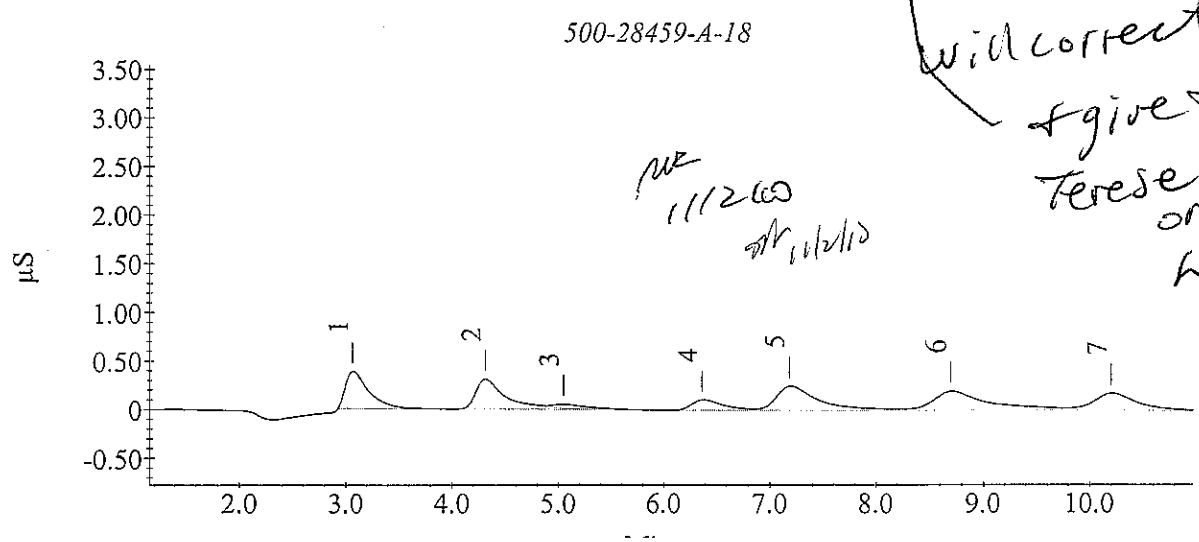
Sample Name : 500-28459-A-18
Data File Name : C:\PEAKNET\DATA\20101101\D5910_066.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:05:50 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 66

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2172	59210	3845
2	CHLORIDE	4.32	0.3572	61692	3060
3	NITRITE	5.05	0.0711	9325	386
	BROMIDE				
4	NITRATE	6.37	0.0798	23086	1083
6	OrthophosP	8.70	0.1838	68996	1963
7	SULFATE	10.20	0.3920	49788	1757

will correct & give to Terese - or else have to reimport whole letter



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Sample Analysis Report

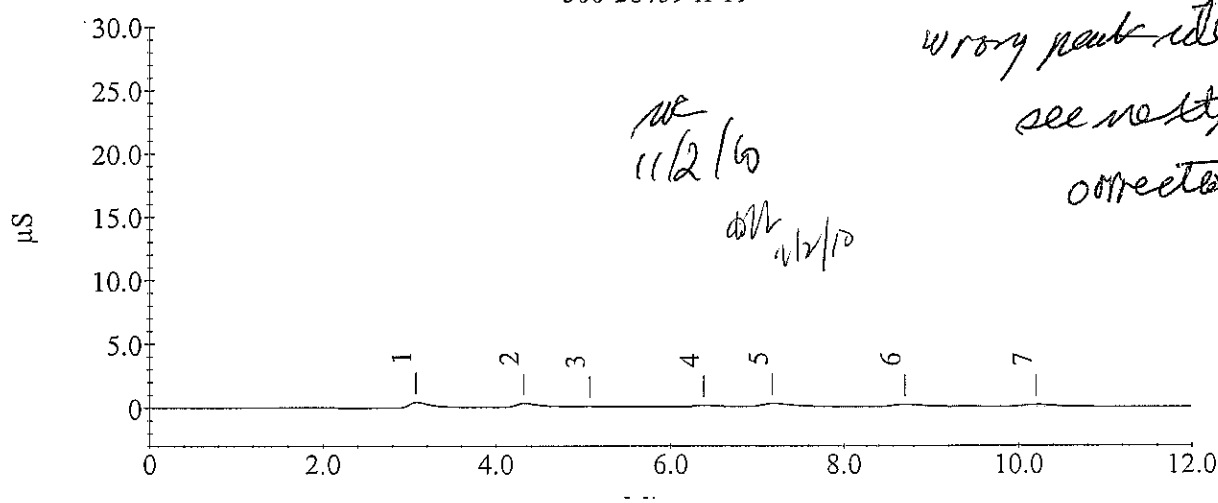
Sample Name : 500-28459-A-19
Data File Name : c:\peaknet\data\20101101\D5910_067.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:20:09 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 67

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2159	58777	3806
2	CHLORIDE	4.32	0.3443	58713	3020
3	NITRITE	5.07	0.0851	17008	642
	BROMIDE				
4	NITRATE	6.38	0.0975	33991	1353
6	OrthophosP	8.70	0.1787	67773	1993
7	SULFATE	10.20	0.3747	46661	1712

500-28459-A-19



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Sample Analysis Report

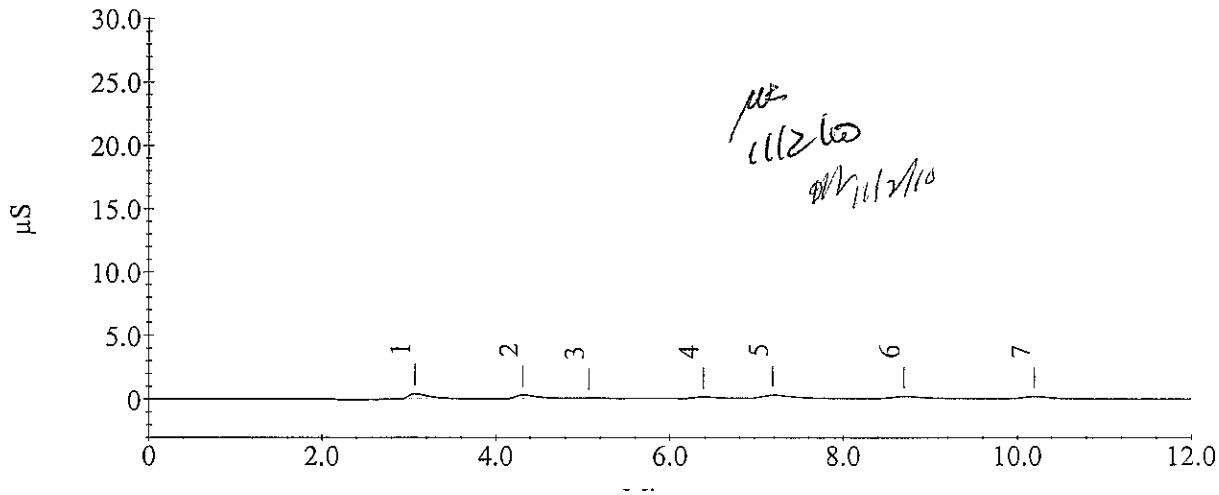
Sample Name : 500-28459-A-19
Data File Name : C:\PEAKNET\DATA\20101101\D5910_067.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:20:09 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 67

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2159	58777	3806
2	CHLORIDE	4.32	0.3443	58713	3020
3	NITRITE	5.07	0.0851	17008	642
4	BROMIDE	6.38	0.3163	33991	1353
5	NITRATE	7.18	0.1870	89033	2827
6	OrthophosP	8.70	0.1787	67773	1993
7	SULFATE	10.20	0.3747	46661	1712

500-28459-A-19



Sample Analysis Report

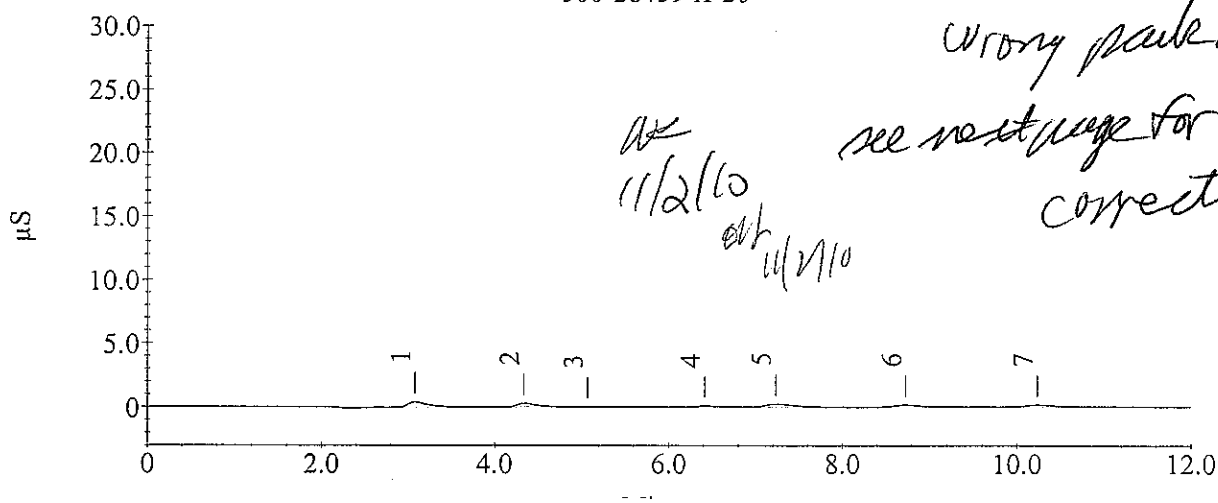
Sample Name : 500-28459-A-20
Data File Name : c:\peaknet\data\20101101\D5910_068.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:34:28 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 68

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.08	0.2402	67003	4023
2	CHLORIDE	4.33	0.3267	54654	2968
3	NITRITE BROMIDE	5.07	0.0623	4432	255
4	NITRATE	6.42	0.0796	22957	1095
6	OrthophosP	8.73	0.0734	42763	1708
7	SULFATE	10.23	0.3272	38080	1568

500-28459-A-20



wrong peak alignment
see next page for correction
11/2/10
11/2/10

Sample Analysis Report

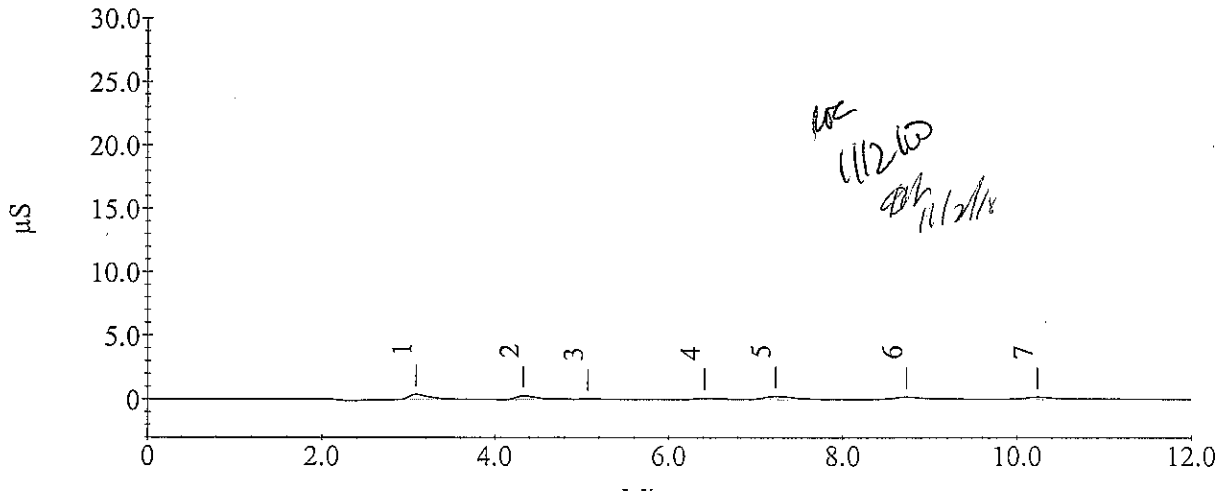
Sample Name : 500-28459-A-20
Data File Name : C:\PEAKNET\DATA\20101101\D5910_068.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:34:28 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 68

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.08	0.2402	67003	4023
2	CHLORIDE	4.33	0.3267	54654	2968
3	NITRITE	5.07	0.0623	4432	255
4	BROMIDE	6.42	0.2083	22957	1095
5	NITRATE	7.23	0.1384	59115	2462
6	OrthophosP	8.73	0.0734	42763	1708
7	SULFATE	10.23	0.3272	38080	1568

500-28459-A-20



Sample Analysis Report

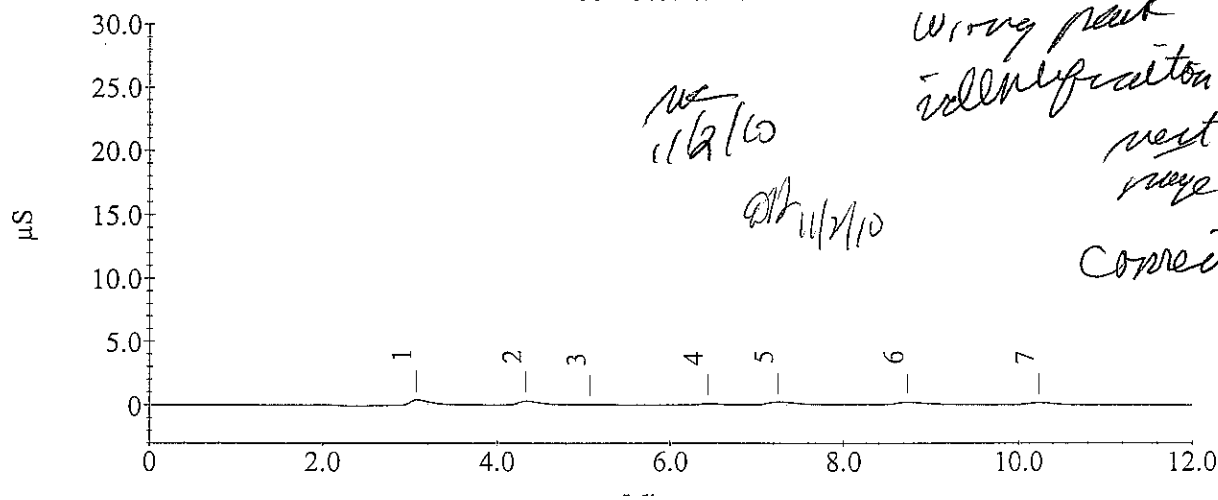
Sample Name : 500-28459-A-21
Data File Name : c:\peaknet\data\20101101\D5910_069.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:48:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 69

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2209	60467	3822
2	CHLORIDE	4.33	0.3433	58478	3021
3	NITRITE BROMIDE	5.08	0.0664	6715	325
4	NITRATE	6.43	0.0823	24614	1115
6	OrthophosP	8.73	0.2439	83265	2196
7	SULFATE	10.23	0.3635	44644	1673

500-28459-A-21



Wrong peak identification - see next page for correction

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11/2/10

Sample Analysis Report

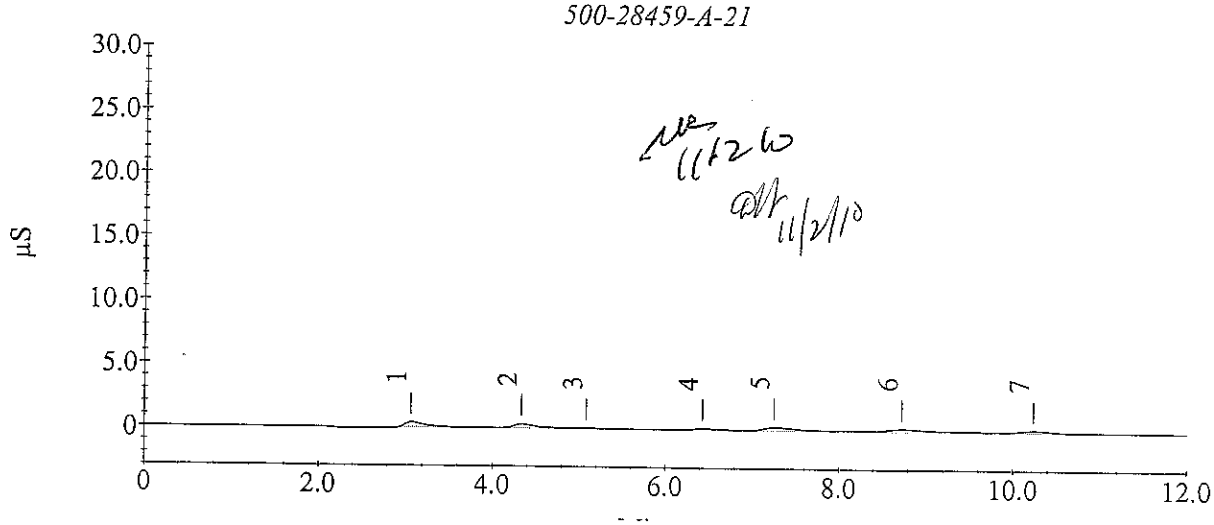
Sample Name : 500-28459-A-21
Data File Name : C:\PEAKNET\DATA\20101101\D5910_069.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/1/10 11:48:47 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 69

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.2209	60467	3822
2	CHLORIDE	4.33	0.3433	58478	3021
3	NITRITE	5.08	0.0664	6715	325
4	BROMIDE	6.43	0.2245	24614	1115
5	NITRATE	7.25	0.1679	77305	2639
6	OrthophosP	8.73	0.2439	83265	2196
7	SULFATE	10.23	0.3635	44644	1673

500-28459-A-21



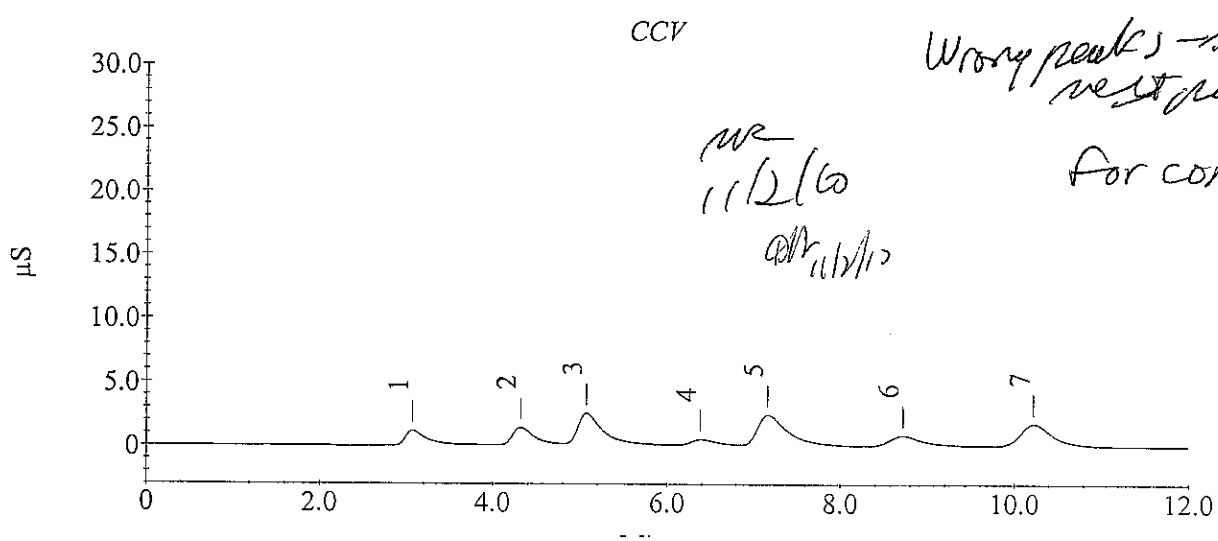
Sample Analysis Report

Sample Name : CCV
Data File Name : c:\peaknet\data\20101101\D5910_070.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/2/10 12:03:06 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 70

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.5918	185994	11235
2	CHLORIDE	4.32	1.1103	235774	13757
3	NITRITE	5.07	1.0064	525005	25149
	BROMIDE				
4	NITRATE	6.38	0.2130	105054	4829
6	OrthophosP	8.72	0.8673	231326	8367
7	SULFATE	10.22	2.6912	465263	17659



Wrong peaks - see next page for correction
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11/2/10

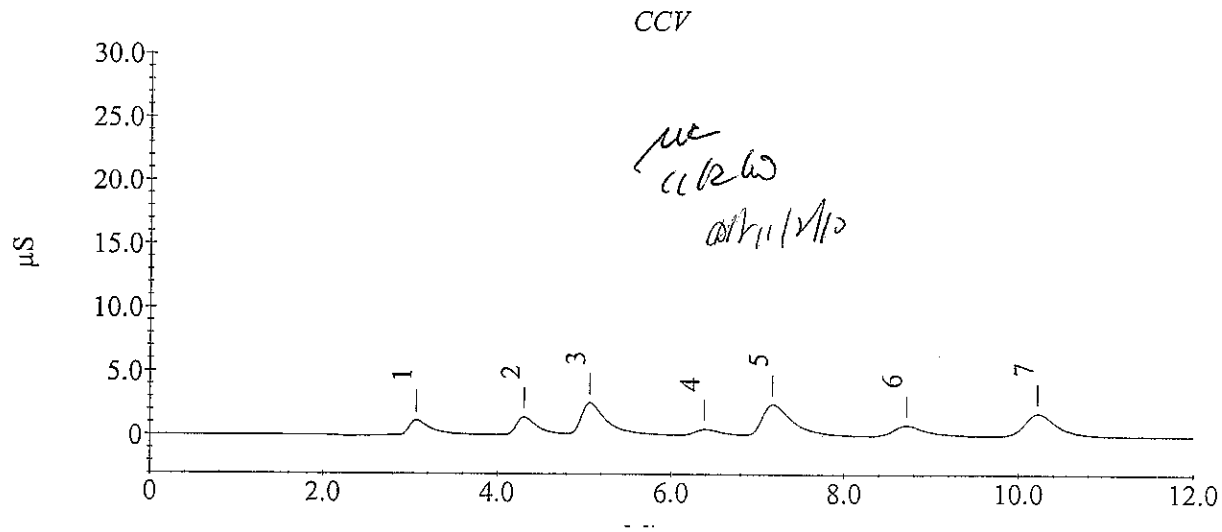
Sample Analysis Report

Sample Name : CCV
Data File Name : C:\PEAKNET\DATA\20101101\D5910_070.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/2/10 12:03:06 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 70

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	3.07	0.5918	185994	11235
2	CHLORIDE	4.32	1.1103	235774	13757
3	NITRITE	5.07	1.0064	525005	25149
4	BROMIDE	6.38	1.0119	105054	4829
5	NITRATE	7.17	1.0346	610520	24443
6	OrthophosP	8.72	0.8673	231326	8367
7	SULFATE	10.22	2.6912	465263	17659



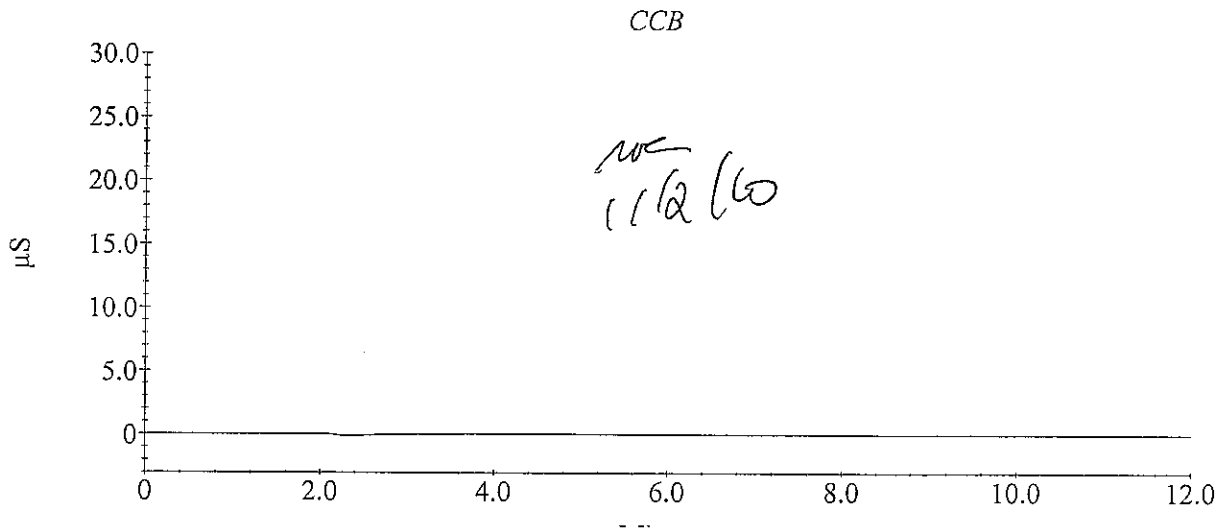
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\peaknet\data\20101101\D5910_071.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 11/2/10 12:17:25 AM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 71

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
	FLUORIDE				
	CHLORIDE				
	NITRITE				
	BROMIDE				
	NITRATE				
	OrthophosP				
	SULFATE				



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General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICBR2_00003	WSTICCL2_00004	WSTICF2_00005	WSTICNI2_00014	WSTICNO32_00006
ELUENT									
ELUENT									
RINSE~500-98736/3									
ICV~500-98736/4		9056		100 mL	200 uL	300 uL	100 uL	2000 uL	200 uL
ICB~500-98736/5		9056							
MB~500-98736/6		9056							
LCS~500-98736/7		9056		100 mL	200 uL	300 uL			
500-28662-I-8	BSOSMW06101910	9056	T						
500-28847-A-2	IW-01	9056	T						
CCV~500-98736/10		9056		100 mL	100 uL	100 uL			
CCB~500-98736/11		9056							
500-28652-F-1	VLF-MW-1	300	T						
500-28652-G-2	VLF-MW-2	300	T						
500-28652-G-3	VLF-MW-3	300	T						
500-28652-F-4	VLF-MW-4	300	T						
500-28652-F-6	OLD-MW-4	300	T						
500-28652-I-8	VLF-MW-7	300	T						
500-28652-I-8	VLF-MW-7	300	T						
500-28652-F-9	OLD-MW-9	300	T						
500-28652-F-10	VLF-MW-5	300	T						
500-28652-F-11	VLF-MW-6	300	T						
CCV~500-98736/22		300		100 mL	100 uL	100 uL			
CCB~500-98736/23		300							
500-28710-A-1	TMW-1	9056A	T						
500-28710-A-2	TMW-2	9056A	T						

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General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WSTICP2_00003	WSTICS2_00004
ELUENT					
ELUENT					
RINSE~500-98736/3					
ICV~500-98736/4		9056		200 uL	500 uL
ICB~500-98736/5		9056			
MB~500-98736/6		9056			
LCS~500-98736/7		9056			500 uL
500-28662-I-8	BSOSMW06101910	9056	T		
500-28847-A-2	IW-01	9056	T		
CCV~500-98736/10		9056			250 uL
CCB~500-98736/11		9056			
500-28652-F-1	VLF-MW-1	300	T		
500-28652-G-2	VLF-MW-2	300	T		
500-28652-G-3	VLF-MW-3	300	T		
500-28652-F-4	VLF-MW-4	300	T		
500-28652-F-6	OLD-MW-4	300	T		
500-28652-I-8	VLF-MW-7	300	T		
500-28652-I-8	VLF-MW-7	300	T		
500-28652-F-9	OLD-MW-9	300	T		
500-28652-F-10	VLF-MW-5	300	T		
500-28652-F-11	VLF-MW-6	300	T		
CCV~500-98736/22		300			250 uL
CCB~500-98736/23		300			
500-28710-A-1	TMW-1	9056A	T		
500-28710-A-2	TMW-2	9056A	T		

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General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICBR2_00003	WSTICCL2_00004	WSTICF2_00005	WSTICNI2_00014	WSTICNO32_00006
500-28710-A-3	TMW-3	9056A	T						
500-28710-A-4	TMW-4	9056A	T						
500-28710-A-5	TMW-5	9056A	T						
500-28710-A-6	TMW-6	9056A	T						
500-28710-A-7	TMW-7	9056A	T						
500-28710-A-8	TMW-8	9056A	T						
500-28710-A-9	TMW-9	9056A	T						
500-28710-A-9~MS		9056A	T						
CCV~500-98736/34		9056A		100 mL	100 uL	100 uL		1000 uL	100 uL
CCB~500-98736/35		9056A							
500-28710-A-9~MS		9056A	T						
500-28847-A-2~MS		9056	T	100 mL	200 uL				
500-28847-A-2~MS		9056	T	100 mL	200 uL				
500-28652-F-6~MS	OLD-MW-4 MS	300	T	100 mL		300 uL			
500-28652-F-6~MS	OLD-MW-4 MSD	300	T	100 mL		300 uL			
MB~500-98736/41		300							
LCS~500-98736/42		300		100 mL	200 uL	300 uL		2000 uL	200 uL
500-28786-C-1	MCPWS1-W-32630	300	T						
500-28786-C-1	MCPWS1-W-32630	300	T						
500-28786-C-2	MCPWS2-W-32631	300	T						
CCV~500-98736/46		9056A		100 mL	100 uL	100 uL		1000 uL	100 uL
CCB~500-98736/47		9056A							
500-28786-C-2	MCPWS2-W-32631	300	T						
500-28786-D-3	MCPWS3-W-32632	300	T						
500-28786-D-3	MCPWS3-W-32632	300	T						

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General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WSTICP2_00003	WSTICS2_00004
500-28710-A-3	TMW-3	9056A	T		
500-28710-A-4	TMW-4	9056A	T		
500-28710-A-5	TMW-5	9056A	T		
500-28710-A-6	TMW-6	9056A	T		
500-28710-A-7	TMW-7	9056A	T		
500-28710-A-8	TMW-8	9056A	T		
500-28710-A-9	TMW-9	9056A	T		
500-28710-A-9~MS		9056A	T		
CCV~500-98736/34		9056A		100 uL	250 uL
CCB~500-98736/35		9056A			
500-28710-A-9~MS		9056A	T		
500-28847-A-2~MS		9056	T		
500-28847-A-2~MS		9056	T		
500-28652-F-6~MS	OLD-MW-4 MS	300	T		500 uL
500-28652-F-6~MS	OLD-MW-4 MSD	300	T		500 uL
MB~500-98736/41		300			
LCS~500-98736/42		300		200 uL	500 uL
500-28786-C-1	MCPWS1-W-32630	300	T		
500-28786-C-1	MCPWS1-W-32630	300	T		
500-28786-C-2	MCPWS2-W-32631	300	T		
CCV~500-98736/46		9056A		100 uL	250 uL
CCB~500-98736/47		9056A			
500-28786-C-2	MCPWS2-W-32631	300	T		
500-28786-D-3	MCPWS3-W-32632	300	T		
500-28786-D-3	MCPWS3-W-32632	300	T		

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General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WSTICBR2_00003	WSTICCL2_00004	WSTICF2_00005	WSTICNI2_00014	WSTICNO32_00006
500-28786-C-4	MCTREAT-W-32633	300	T						
500-28786-C-4	MCTREAT-W-32633	300	T						
500-28786-C-5	MCHEMEYER-W-32634	300	T						
500-28786-C-5	MCHEMEYER-W-32634	300	T						
500-28786-C-5~MS		300	T	100 mL	200 uL			2000 uL	200 uL
500-28786-C-5~MS		300	T	100 mL	200 uL			2000 uL	200 uL
500-28786-C-5~MSD		300	T	100 mL	200 uL			2000 uL	200 uL
CCV~500-98736/58		300		100 mL	100 uL	100 uL	60 uL	1000 uL	100 uL
CCB~500-98736/59		300							
500-28786-C-5~MSD		300	T	100 mL	200 uL			2000 uL	200 uL
500-28786-C-6	MCKCOBB-W-32635	300	T						
500-28786-C-6	MCKCOBB-W-32635	300	T						
500-28459-A-15	Rep 15	300	T						
500-28459-A-16	Rep 16	300	T						
500-28459-A-17	Rep 17	300	T						
500-28459-A-18	Rep 18	300	T						
500-28459-A-19	Rep 19	300	T						
500-28459-A-20	Rep 20	300	T						
500-28459-A-21	Rep 21	300	T						
CCV~500-98736/70		300		100 mL	100 uL	100 uL	60 uL	1000 uL	100 uL
CCB~500-98736/71		300							

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11/10/2010

General Chemistry Worksheet

Batch Number: 500-98736
Method: 300.0
Analyst: Ficarello, Peter M

Date Open: Nov 01 2010 7:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	WSTICP2_00003	WSTICS2_00004
500-28786-C-4	MCTREAT-W-32633	300	T		
500-28786-C-4	MCTREAT-W-32633	300	T		
500-28786-C-5	MCHEMEYER-W-32634	300	T		
500-28786-C-5	MCHEMEYER-W-32634	300	T		
500-28786-C-5~MS		300	T	200 uL	500 uL
500-28786-C-5~MS		300	T	200 uL	500 uL
500-28786-C-5~MSD		300	T	200 uL	500 uL
CCV~500-98736/58		300		100 uL	250 uL
CCB~500-98736/59		300			
500-28786-C-5~MSD		300	T	200 uL	500 uL
500-28786-C-6	MCKCOBB-W-32635	300	T		
500-28786-C-6	MCKCOBB-W-32635	300	T		
500-28459-A-15	Rep 15	300	T		
500-28459-A-16	Rep 16	300	T		
500-28459-A-17	Rep 17	300	T		
500-28459-A-18	Rep 18	300	T		
500-28459-A-19	Rep 19	300	T		
500-28459-A-20	Rep 20	300	T		
500-28459-A-21	Rep 21	300	T		
CCV~500-98736/70		300		100 uL	250 uL
CCB~500-98736/71		300			

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11/10/2010

TestAmerica Chicago
Total Organic/Inorganic Carbon

Method:

EPA 415.1 _____
EPA 415.1, mod. for IC _____
SW846 9060 _____

Analytical Batch : 99008
Analytical Batch : _____
Prep Batch : _____

NCM #: _____

Instrument: Phoenix 8000 TOC 3
Matrix: Water

Calibration Range: 1.0 – 40.0 mg/L
Reporting Limit: 1.0 mg/L

Standard Curve: Date of Curve 10/8/10

Calculations:

Waters: mg/L = mg/L X dilution

Standards Traceability:
Stock I: Calibration and Curve: WC STTC4 -00031
Stock II: LCS, ICV, CCV, Matrix spikes WC STTC2 -00042
Stock II: TIC sparger check W STTC2 -00019

Spiking Levels:

LCS	10	mg/L
ICV	20	mg/L
CCV	10	mg/L
CCV (alt.)	–	mg/L
MS/MSD	10	mg/L
TIC check	10	mg/L

Comments:

Analyst: [signature] Date of analysis: 11/3/10

Reviewer: [signature] Date: 11/4/10

CHI-22-12-105/E-11/09

Calibration Report Print Date/Time: 2010/11/03 14:45:05

Cal. Curve ID: TOCCURVE
Created: 10/08/2010 10:06
Calibration Factor (m): 2.786e+05
Y Intercept (b): 478438
r-squared: 0.99876

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
0	1160311	0.000	2.448		10/08/2010 08:27
1	1456706	4.000	3.512		10/08/2010 08:34
5	5769232	20.000	18.992		10/08/2010 08:43
10	11306278	40.000	38.868		10/08/2010 08:52
15	16639410	60.000	58.012		10/08/2010 09:02
20	22821552	80.000	80.204		10/08/2010 09:12
30	34909960	120.000	123.597		10/08/2010 09:25
40	44595828	160.000	158.366	Over-range	10/08/2010 09:36

Multiple Analysis Report Print Date/Time: 2010/11/03 13:22:07

Sample ID	Result	Std. Dev.	RSD	Mode	ALT	Method ID	Sample Type	Vial	Timestamp	Message
TIC-STD	0.5564			TOC		TOC Range 0.1 - 20 p	Sample	1	11/03/2010 09:35	
ICV	20.7740			TOC		TOC Range 0.1 - 20 p	Sample	2	11/03/2010 09:45	
ICB	0.3032			TOC		TOC Range 0.1 - 20 p	Sample	3	11/03/2010 09:52	
MB	0.2410	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 4	11/03/2010 10:00.	
MB	0.2615			TOC		TOC Range 0.1 - 20 p	Sample	4	11/03/2010 10:08	
LCS	10.4283			TOC		TOC Range 0.1 - 20 p	Sample	5	11/03/2010 10:18	
LCS	10.4916	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 5	11/03/2010 10:27.	
720-31464-c-13	2.3102			TOC		TOC Range 0.1 - 20 p	Sample	6	11/03/2010 10:37	
720-31464-c-13	2.2170			TOC		TOC Range 0.1 - 20 p	Sample	6	11/03/2010 10:46	
720-31464-b-13 ms	13.9051	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 7	11/03/2010 10:55.	
720-31464-b-13 msd	14.1017			TOC		TOC Range 0.1 - 20 p	Sample	7	11/03/2010 11:05	
500-28652-b-11	2.8822			TOC		TOC Range 0.1 - 20 p	Sample	8	11/03/2010 11:13	
500-28652-b-11	2.7726	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 8	11/03/2010 11:22.	
720-31519-s-1	1.4228			TOC		TOC Range 0.1 - 20 p	Sample	9	11/03/2010 11:30	
720-31519-s-1	1.4605			TOC		TOC Range 0.1 - 20 p	Sample	9	11/03/2010 11:39	
720-31519-q-3	1.6315	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 10	11/03/2010 11:47.	
720-31519-q-3	1.5518			TOC		TOC Range 0.1 - 20 p	Sample	10	11/03/2010 11:56	
720-31519-m-8	3.7612			TOC		TOC Range 0.1 - 20 p	Sample	11	11/03/2010 12:04	
720-31519-m-8	3.7551	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 11	11/03/2010 12:13.	
720-31519-m-9	2.5588			TOC		TOC Range 0.1 - 20 p	Sample	12	11/03/2010 12:21	
720-31519-m-9	2.5279			TOC		TOC Range 0.1 - 20 p	Sample	12	11/03/2010 12:30	
CCV	10.6028	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 13	11/03/2010 12:39.	
CCB	0.3232			TOC		TOC Range 0.1 - 20 p	Sample	14	11/03/2010 12:47	
720-31519-r-10	1.2716			TOC		TOC Range 0.1 - 20 p	Sample	15	11/03/2010 12:55	
720-31519-r-10	1.2615	..		TOC	..	TOC Range 0.1 - 20 p	Sample	.. 15	11/03/2010 13:04.	
720-31525-d-1	51.9345			TOC		TOC Range 0.1 - 20 p	Sample	16	11/03/2010 13:19	Over-range

already analyzed & reported KD 11/4/10

Stopped instrument reanalyzed with dilution KD 11/3/10

Multiple Analysis Report Print Date/Time: 2010/11/03 14:45:20

Sample ID	Result	Std. Dev.	RSD	Mode	ALT	Method ID	Sample Type	Vial	Timestamp	Message
720-31525-d-1 2	25.0772			TOC		TOC Range 0.1 - 20 p	Sample	16	11/03/2010 13:32	
720-31525-d-1 2	24.9564			TOC		TOC Range 0.1 - 20 p	Sample	16	11/03/2010 13:43	
500-28656-d-5	3.0199			TOC		TOC Range 0.1 - 20 p	Sample	17	11/03/2010 13:53	
500-28656-d-5.....	2.7301...	..	...TOC	..		TOC Range 0.1 - 20 p...	Sample	.. 17..	11/03/2010 14:04.	
500-28656-d-6	2.6356			TOC		TOC Range 0.1 - 20 p	Sample	18	11/03/2010 14:14	
500-28656-d-6	2.5399			TOC		TOC Range 0.1 - 20 p	Sample	18	11/03/2010 14:24	
CCV.....	10.7609...	..	...TOC	..		TOC Range 0.1 - 20 p...	Sample	.. 19..	11/03/2010 14:34.	
CCB	0.2584			TOC		TOC Range 0.1 - 20 p	Sample	20	11/03/2010 14:42	

Detailed Analysis Report Print Date/Time: 2010/11/03 13:22:17

Sample ID: TIC-STD
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 09:35
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.5564	2.2258	880071	8.394	9.391	100

Sample ID: ICV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 09:45
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	20.7740	83.0961	23408752	5.646	6.644	195

Sample ID: ICB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 09:52
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3032	1.2127	597862	5.933	6.926	98

Sample ID: MB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:00
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2410	0.9641	528606	5.734	6.732	114

Sample ID: MB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:08
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2615	1.0461	551427	5.832	6.828	107

Sample ID: LCS
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:18
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.4283	41.7133	11880442	5.793	6.791	222

Sample ID: LCS
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:27
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.4916	41.9663	11950898	5.953	6.953	192

Sample ID: 720-31464-c-13
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:37
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.3102	9.2407	2834269	6.105	7.103	178

Sample ID: 720-31464-c-13
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:46
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.2170	8.8678	2730404	6.347	7.341	172

KD not required already analyzed & reported
KD 11/4/10

Sample ID: 720-31464-b-13 ms
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 10:55
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13.9051	55.6204	15754652	6.143	7.141	222

Sample ID: 720-31464-b-13 msd
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:05
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14.1017	56.4069	15973742	6.029	7.028	221

Sample ID: 500-28652-b-11
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.8822	11.5288	3471691	6.114	7.112	125

Sample ID: 500-28652-b-11
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:22
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.7726	11.0903	3349544	6.086	7.084	133

Sample ID: 720-31519-s-1
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:30
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.4228	5.6911	1845432	5.986	6.985	137

Sample ID: 720-31519-s-1
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:39
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.4605	5.8420	1887478	5.966	6.965	150

Sample ID: 720-31519-q-3
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:47
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.6315	6.5259	2078001	6.085	7.083	147

Sample ID: 720-31519-q-3
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 11:56
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.5518	6.2072	1989218	6.146	7.144	137

Sample ID: 720-31519-m-8
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.7612	15.0448	4451168	6.141	7.139	150

Sample ID: 720-31519-m-8
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.7551	15.0205	4444396	6.166	7.165	145

Sample ID: 720-31519-m-9
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:21
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.5588	10.2352	3111333	6.034	7.032	139

Sample ID: 720-31519-m-9
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:30
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.5279	10.1115	3076861	6.041	7.040	151

Sample ID: CCV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:39
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.6028	42.4112	12074857	5.993	6.992	170

Sample ID: CCB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:47
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3232	1.2929	620184	6.123	7.119	109

Sample ID: 720-31519-r-10
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 12:55
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.2716	5.0862	1676935	5.940	6.939	132

Sample ID: 720-31519-r-10
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 13:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.2615	5.0460	1665721	6.166	7.166	136

Sample ID: 720-31525-d-1
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11030928
Timestamp: 11/03/2010 13:19
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	51.9345	207.7378	58131216	6.181	7.181	576

Last Message: Over-range

Detailed Analysis Report Print Date/Time: 2010/11/03 14:45:33

Sample ID: 720-31525-d-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 13:32
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25.0772	100.3088	28203840	6.636	7.635	254

Sample ID: 720-31525-d-1 2
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 13:43
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24.9564	99.8256	28069250	6.345	7.342	336

Sample ID: 500-28656-d-5
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 13:53
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.0199	12.0797	3625152	6.529	7.525	235

Sample ID: 500-28656-d-5
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 14:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.7301	10.9206	3302249	6.281	7.280	251

Sample ID: 500-28656-d-6
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 14:14
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.6356	10.5423	3196865	6.250	7.247	249

Sample ID: 500-28656-d-6
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 14:24
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.5399	10.1595	3090233	6.374	7.370	240

Sample ID: CCV
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA
Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 14:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.7609	43.0438	12251071	6.046	7.046	229

Sample ID: CCB
Method: TOC Range 0.1 - 20 ppm C
Cal. Curve: TOCCURVE
Operator ID: KHONA

Mode: TOC
Filename: 11031322
Timestamp: 11/03/2010 14:42
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2584	1.0338	548002	6.271	7.265	101

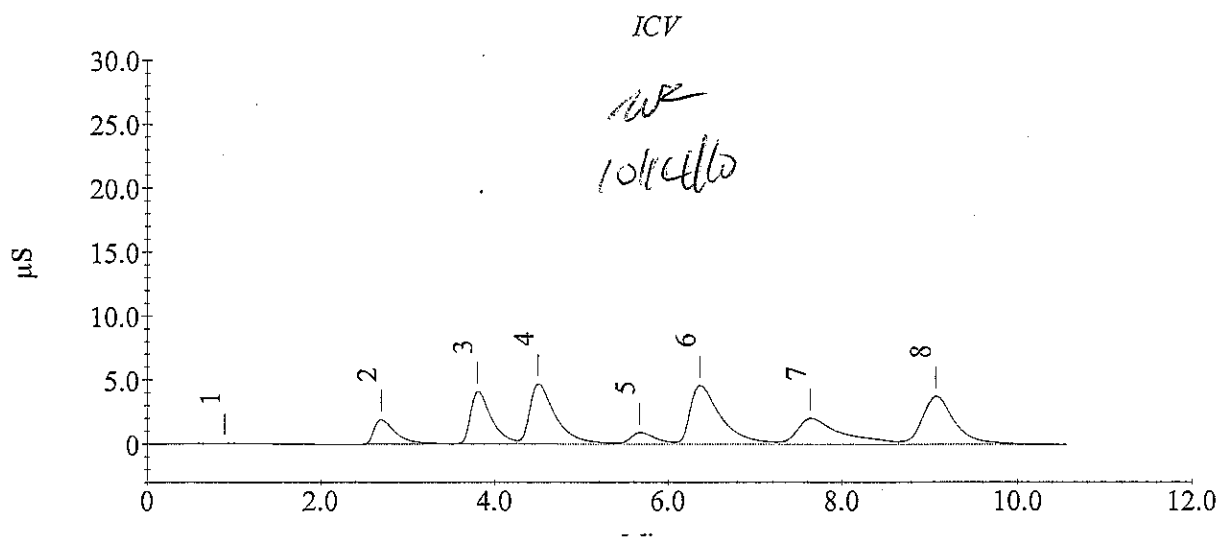
Sample Analysis Report

Sample Name : ICV
Data File Name : C:\PEAKNET\DATA\20101014A\D5898_001.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/14/10 3:16:34 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 1

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
2	FLUORIDE	2.70	1.0727	322563	18873
3	CHLORIDE	3.80	2.9575	668435	40563
4	NITRITE	4.50	1.9265	963258	46584
5	BROMIDE	5.67	1.7988	179616	8849
6	NITRATE	6.37	1.9512	1122752	45571
7	OrthophosP	7.63	2.0492	720735	20242
8	SULFATE	9.07	4.9829	935403	37319



Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Fluoride - IC
Standard Stock ID: WSTICF1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/14/10	1						
	2	0.20	70220	2	70220	0.202	100.9
	3	0.40	126021	3	126021	0.394	98.6
	4	0.60	198307	4	198307	0.644	107.3
	5	1.00	288920	5	288920	0.957	95.7
	6	1.50	441869	6	441869	1.485	99.0
	7	2.00	596668	7	596668	2.019	100.9

slope = 289182

intercept = 12278

r = 0.9991

Analyst Signature: [illegible] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Chloride - IC

Standard Stock ID: WSTICCL1 00004

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/14/10	1						
	2	0.20	39740	2	39740	0.277	138.4
	3	0.50	105631	3	105631	0.558	111.5
	4	1.00	212934	4	212934	1.015	101.5
	5	3.00	630132	5	630132	2.794	93.1
	6	5.00	1140302	6	1140302	4.970	99.4
	7	7.50	1754064	7	1754064	7.587	101.2

slope = 234184

intercept = -24194

r = 0.9993

Analyst Signature: [illegible] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Nitrite - IC

Standard Stock ID: WSTICNI1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/14/10	1						
	2	0.10	43620	2	43620	0.178	178.1
	3	0.50	218655	3	218655	0.511	102.2
	4	1.00	482097	4	482097	1.012	101.2
	5	2.00	954463	5	954463	1.910	95.5
	6	3.00	1480688	6	1480688	2.910	97.0
	7	5.00	2621510	7	2621510	5.079	101.6

slope =	525089
intercept =	-48333
r =	0.9991

Analyst Signature: [signature] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Bromide - IC

Standard Stock ID: WSTICBR1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/4/10	1						
	2	0.20	18129	2	18129	0.301	150.4
	3	0.50	34173	3	34173	0.450	89.9
	4	1.00	97870	4	97870	1.041	104.1
	5	2.00	198161	5	198161	1.971	98.5
	6	3.00	293541	6	293541	2.856	95.2
	7	5.00	533627	7	533627	5.083	101.7

slope =	107523
intercept =	-13752
r =	0.9987

Analyst Signature: [signature] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle): IC4 (DX-120) DX120.met; IC3 (DX-100) DX100.met

Compound: Nitrate - IC

Standard Stock ID: WSTICNO31_00002

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/14/10	1						
	2	0.10	72841	2	72841	0.195	195.3
	3	0.50	216580	3	216580	0.436	87.1
	4	1.00	563996	4	563996	1.017	101.7
	5	2.00	1108455	5	1108455	1.927	96.4
	6	3.00	1732784	6	1732784	2.971	99.0
	7	4.00	2379823	7	2379823	4.054	101.3

slope = 596752

intercept = -41849

r = 0.9990

Analyst Signature: [signature] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Orthophosphate - IC
Standard Stock ID: WSTICP1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
	1						
	2	0.20	153034	2	153034	0.242	121.2
	3	0.50	184055	3	184055	0.341	68.2
	4	1.00	428930	4	428930	1.121	112.1
	5	2.00	725380	5	725380	2.064	103.2
	6	3.00	1004854	6	1004854	2.953	98.4
	7	4.00	1326913	7	1326913	3.978	99.5

MR 10/14/10

slope = 312853

intercept = 79273

r = 0.9978

Analyst Signature: [signature] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Sulfate - IC

Standard Stock ID: WSTICS1_00004

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/14/10	1						
	2	0.20	44230	2	44230	0.078	39.1
	3	0.50	143646	3	143646	0.625	125.1
	4	2.50	501979	4	501979	2.597	103.9
	5	5.00	920243	5	920243	4.899	98.0
	6	7.50	1380627	6	1380627	7.433	99.1
	7	10.00	1859004	7	1859004	10.066	100.7

slope = 181558

intercept = 30615

r = 0.9996

Analyst Signature: [signature] Date: 10/14/10

Revision: LINREGIC.XLS 09/14/99

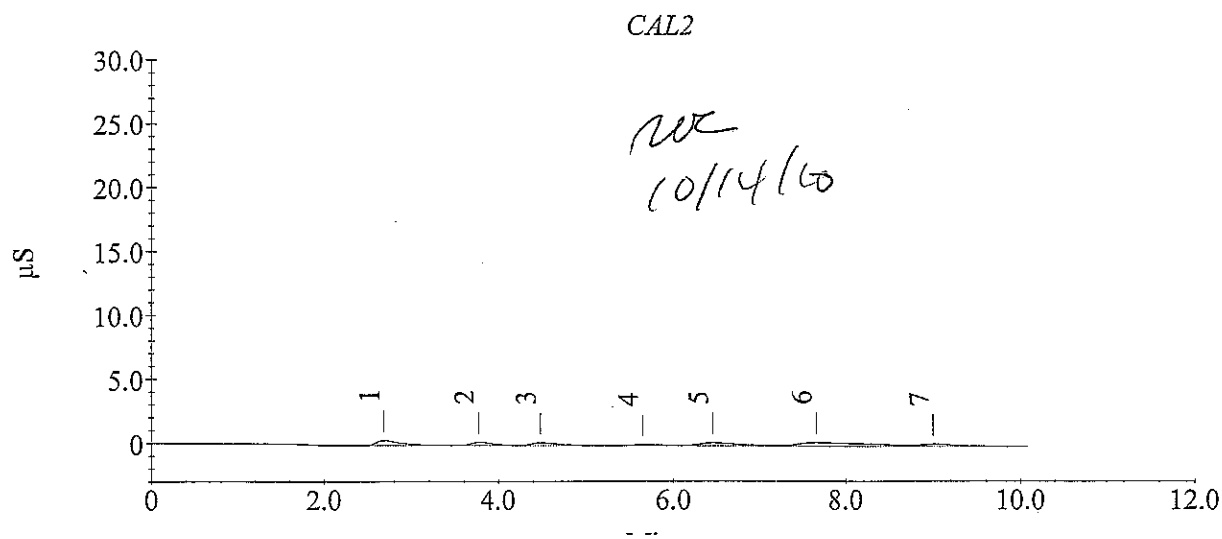
Calibration Update Report

Sample Name : CAL2
Data File Name : C:\PEAKNET\DATA\20101014\D5897_011.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 1:41:06 PM
Calibration Date : 10/14/10 1:53:32 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.68	76450	70220	70220
2	CHLORIDE	3.77	44236	39740	39740
3	NITRITE	4.48	45434	43620	43620
4	BROMIDE	5.65	15718	18129	18129
5	NITRATE	6.45	63040	72841	72841
6	OrthophosP	7.65	103593	153034	153034
7	SULFATE	9.00	35581	44230	44230



NK
10/14/10

Calibration Update Report

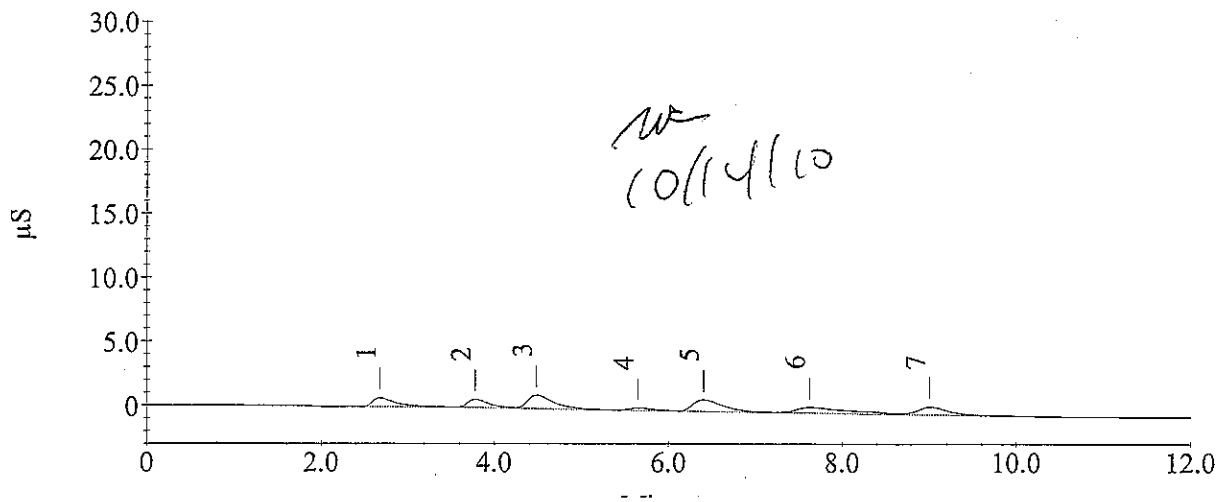
Sample Name : CAL3
Data File Name : C:\PEAKNET\DATA\20101014\D5897_012.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 1:53:34 PM
Calibration Date : 10/14/10 2:07:55 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.68	114833	126021	126021
2	CHLORIDE	3.78	102159	105631	105631
3	NITRITE	4.48	218195	218655	218655
4	BROMIDE	5.65	39462	34173	34173
5	NITRATE	6.40	263273	216580	216580
6	OrthophosP	7.62	207308	184055	184055
7	SULFATE	9.02	159153	143646	143646

CAL3



10/14/10

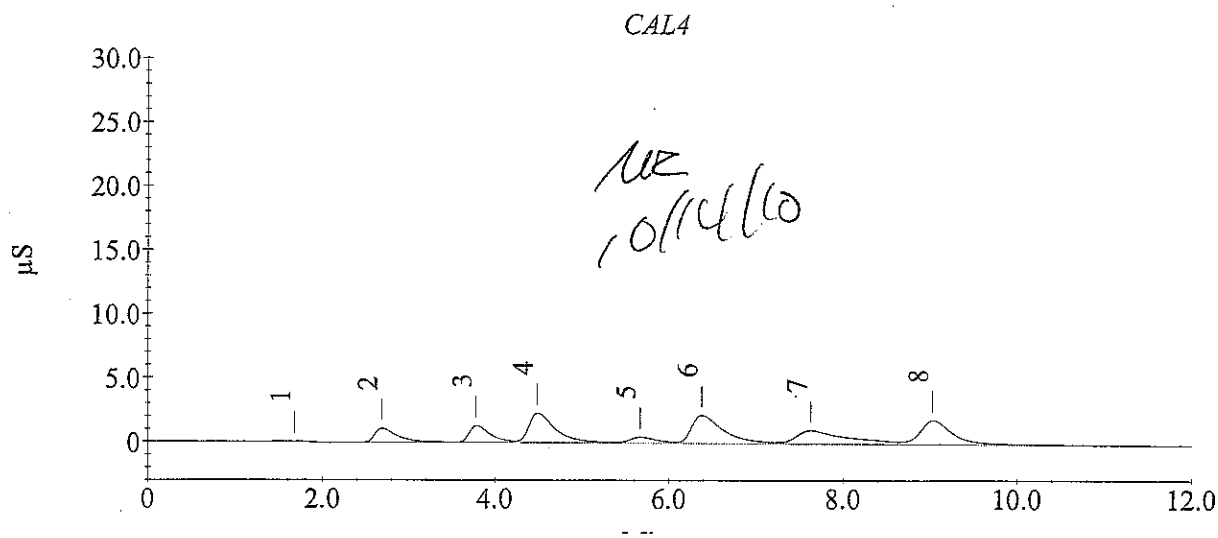
Calibration Update Report

Sample Name : CAL4
Data File Name : C:\PEAKNET\DATA\20101014\D5897_013.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 2:07:56 PM
Calibration Date : 10/14/10 2:22:14 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	FLUORIDE	2.68	174603	198307	198307
3	CHLORIDE	3.78	217319	212934	212934
4	NITRITE	4.48	511721	482097	482097
5	BROMIDE	5.67	99347	97870	97870
6	NITRATE	6.38	610980	563996	563996
7	OrthophosP	7.63	446372	428930	428930
8	SULFATE	9.03	485869	501979	501979



MR
10/14/10

Calibration Update Report

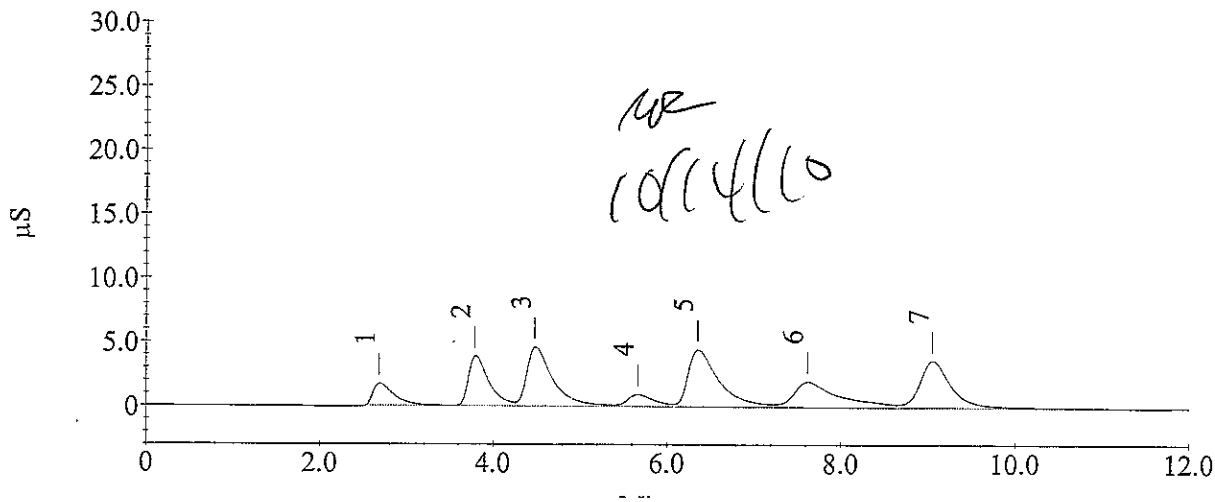
Sample Name : CAL5
Data File Name : C:\PEAKNET\DATA\20101014\D5897_014.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 2:22:15 PM
Calibration Date : 10/14/10 2:36:33 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.68	310111	288920	288920
2	CHLORIDE	3.78	656241	630132	630132
3	NITRITE	4.48	1018412	954463	954463
4	BROMIDE	5.67	192536	198161	198161
5	NITRATE	6.35	1199869	1108455	1108455
6	OrthophosP	7.62	668531	725380	725380
7	SULFATE	9.05	929046	920243	920243

CAL5



MR
10/14/10

Calibration Update Report

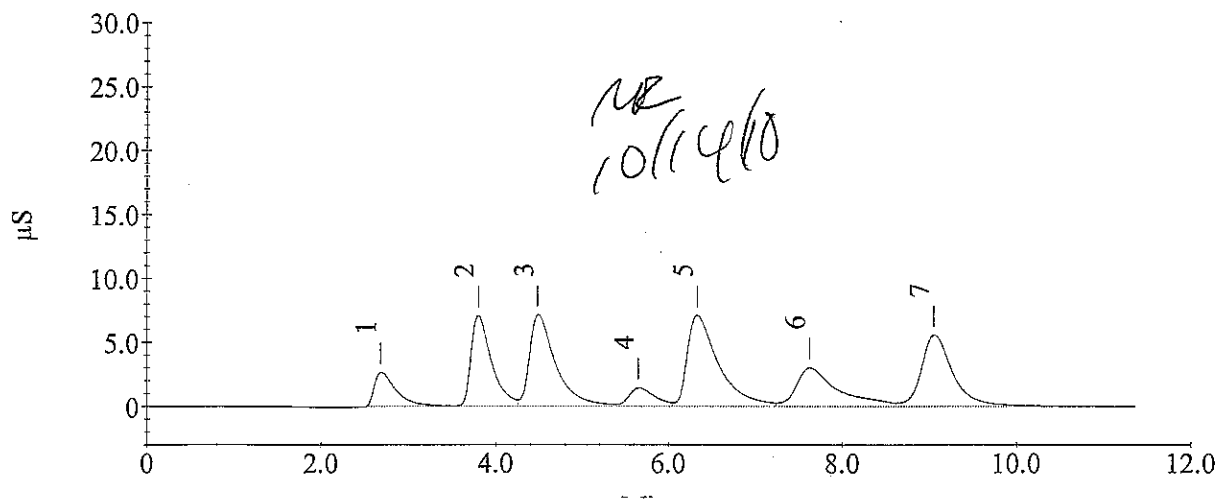
Sample Name : CAL6
Data File Name : C:\PEAKNET\DATA\20101014\D5897_015.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 2:36:34 PM
Calibration Date : 10/14/10 2:50:15 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.68	439293	441869	441869
2	CHLORIDE	3.80	1150093	1140302	1140302
3	NITRITE	4.48	1533498	1480688	1480688
4	BROMIDE	5.65	294371	293541	293541
5	NITRATE	6.33	1856906	1732784	1732784
6	OrthophosP	7.62	1049248	1004854	1004854
7	SULFATE	9.05	1441744	1380627	1380627

CAL6



NR 10/14/10

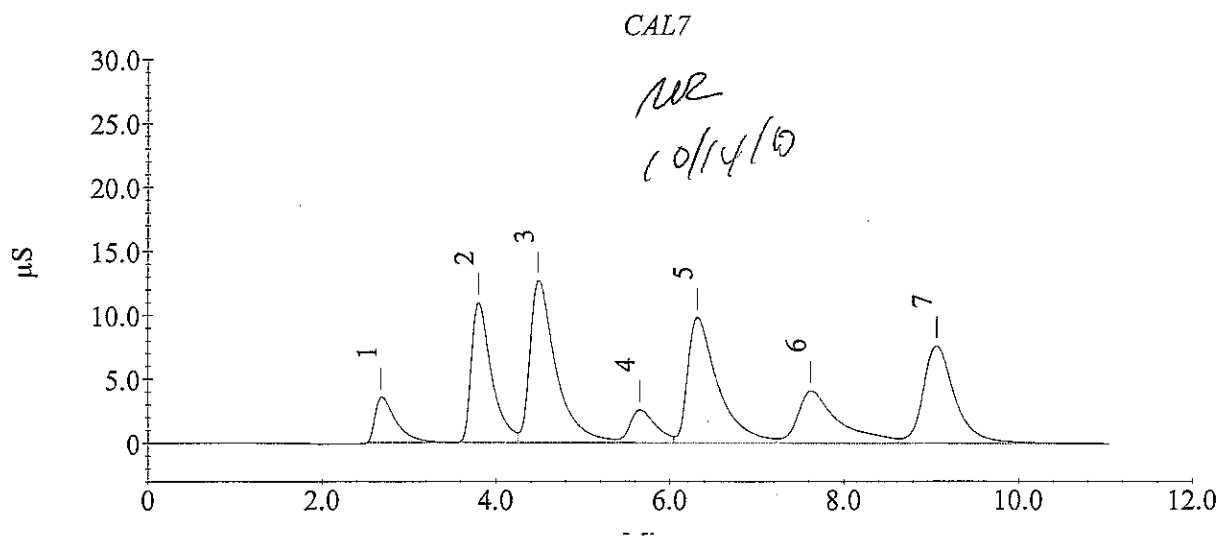
Calibration Update Report

Sample Name : CAL7
Data File Name : C:\PEAKNET\DATA\20101014\D5897_016.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101014.sch
Date Time Collected : 10/14/10 2:50:17 PM
Calibration Date : 10/14/10 3:03:40 PM
System Operator : Pete Ficarello

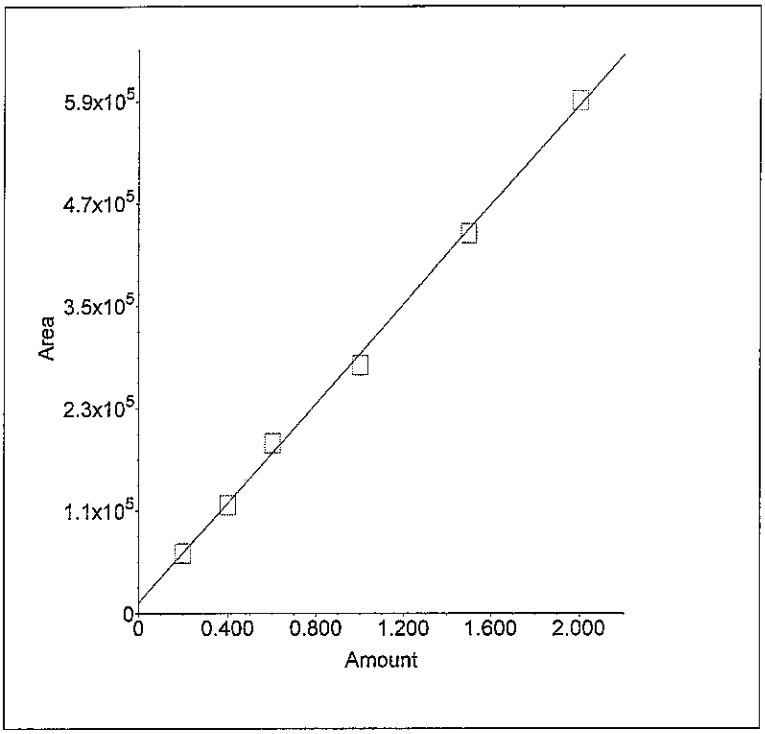
Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.68	606787	596668	596668
2	CHLORIDE	3.80	1793969	1754064	1754064
3	NITRITE	4.48	2717531	2621510	2621510
4	BROMIDE	5.65	517997	533627	533627
5	NITRATE	6.32	2530198	2379823	2379823
6	OrthophosP	7.62	1313403	1326913	1326913
7	SULFATE	9.07	1909917	1859004	1859004

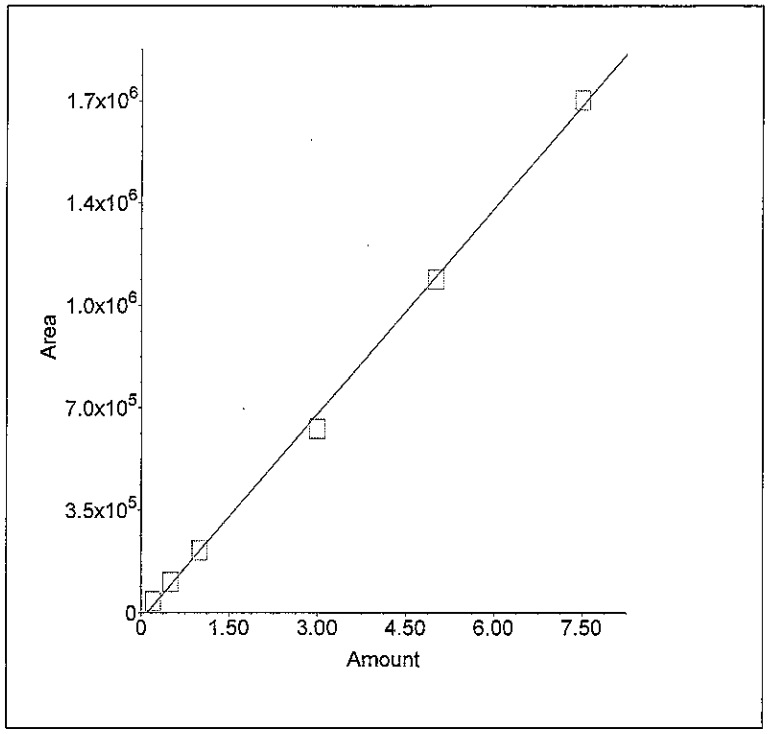


Method:C:\PEAKNET\METHOD\DX-120.MET Updated:10/14/10 3:03:40 PM Total:7

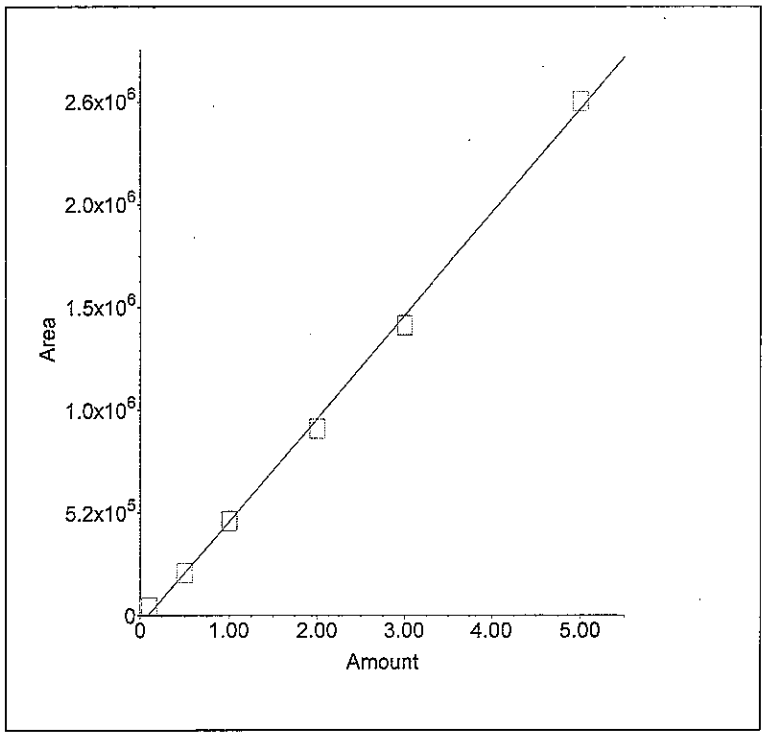
1. Component:FLUORIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998148
Amt=3.452e-006*Resp+-0.04062



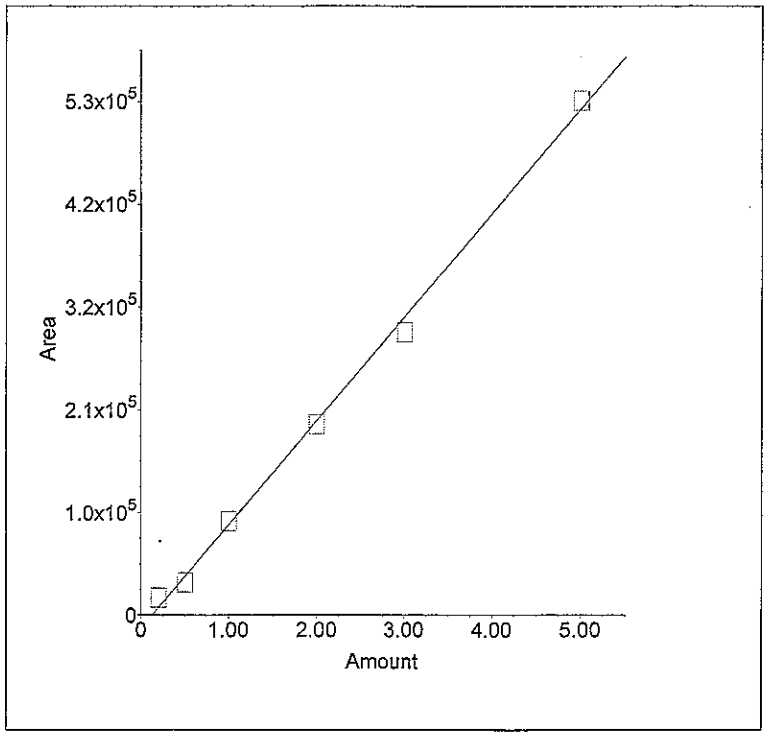
2. Component:CHLORIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998573
Amt=4.264e-006*Resp+0.1073



3. Component:NITRITE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998288
Amt=1.901e-006*Resp+0.0952

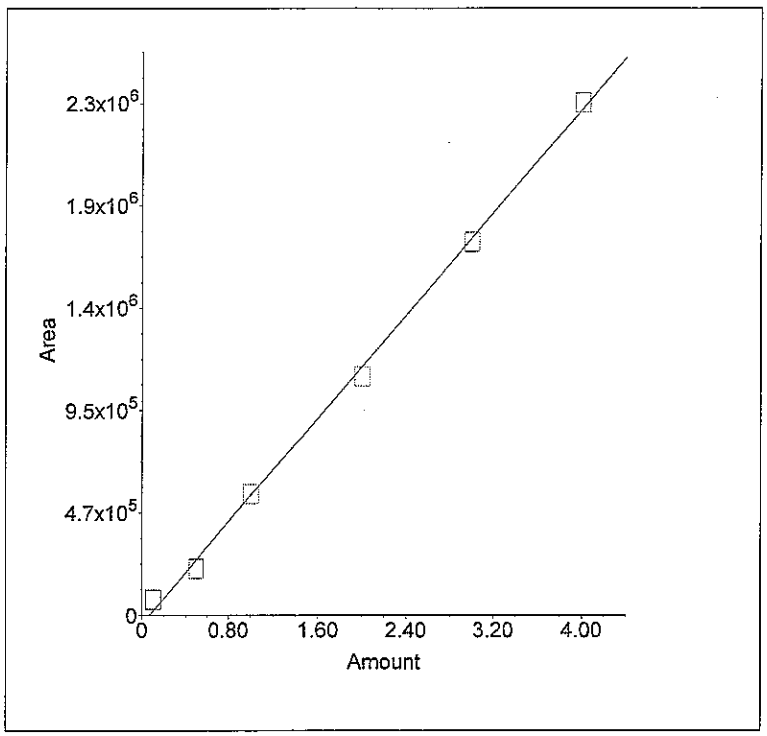


4. Component:BROMIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.997397
Amt=9.276e-006*Resp+0.1326

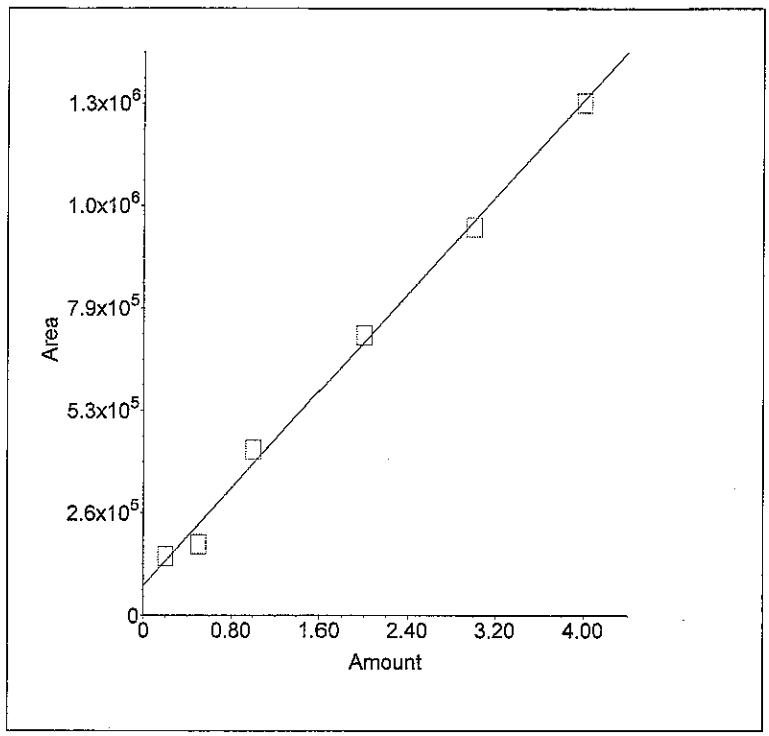


Method:C:\PEAKNET\METHOD\DX-120.MET Updated:10/14/10 3:03:40 PM Total:7

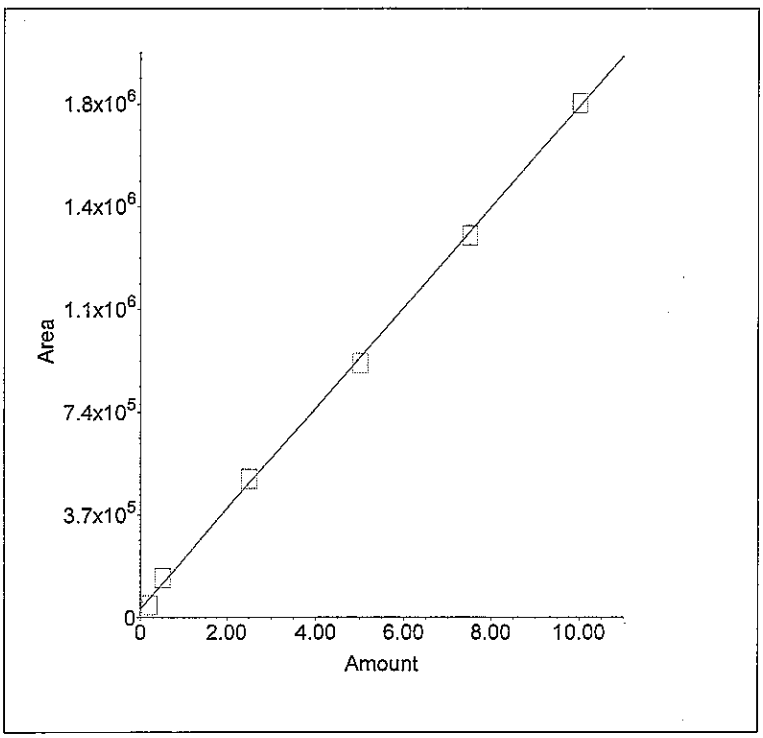
5. Component:NITRATE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998052
Amt=1.672e-006*Resp+0.07343



6. Component:OrthophosP
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995693
Amt=3.183e-006*Resp+-0.2446



7. Component:SULFATE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999241
Amt=5.504e-006*Resp+-0.1652



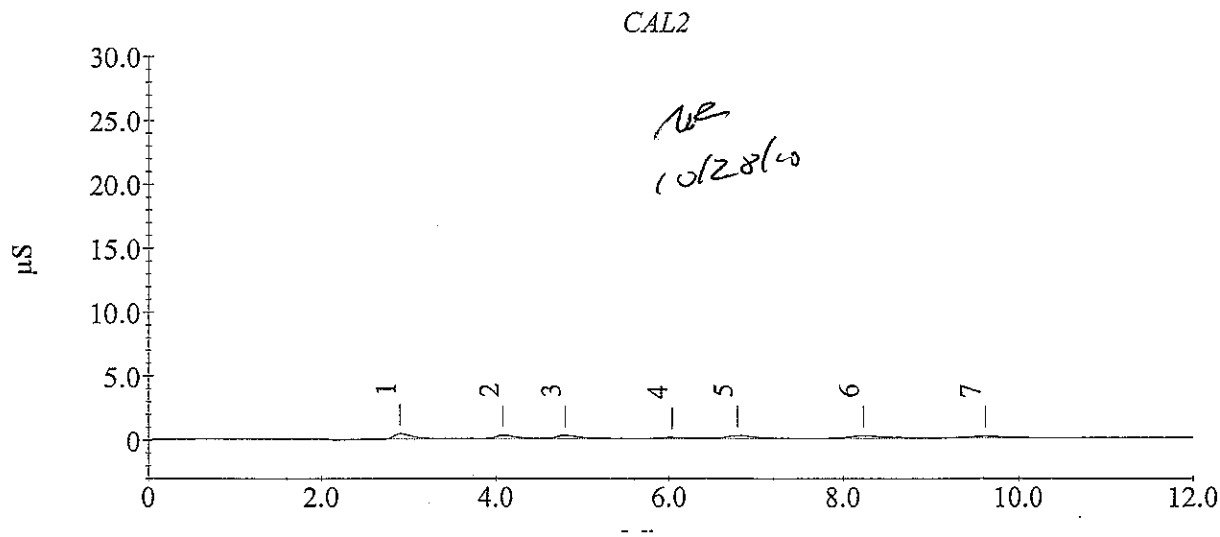
Calibration Update Report

Sample Name : CAL2
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_002.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 1:57:01 PM
Calibration Date : 10/28/10 2:11:24 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.90	53903	55462	55462
2	CHLORIDE	4.08	36891	41442	41442
3	NITRITE	4.80	63998	48868	48868
4	BROMIDE	6.03	18129	19358	19358
5	NITRATE	6.78	18583	50183	50183
6	OrthophosP	8.23	52608	65855	65855
7	SULFATE	9.62	42388	33558	33558



Calibration Update Report

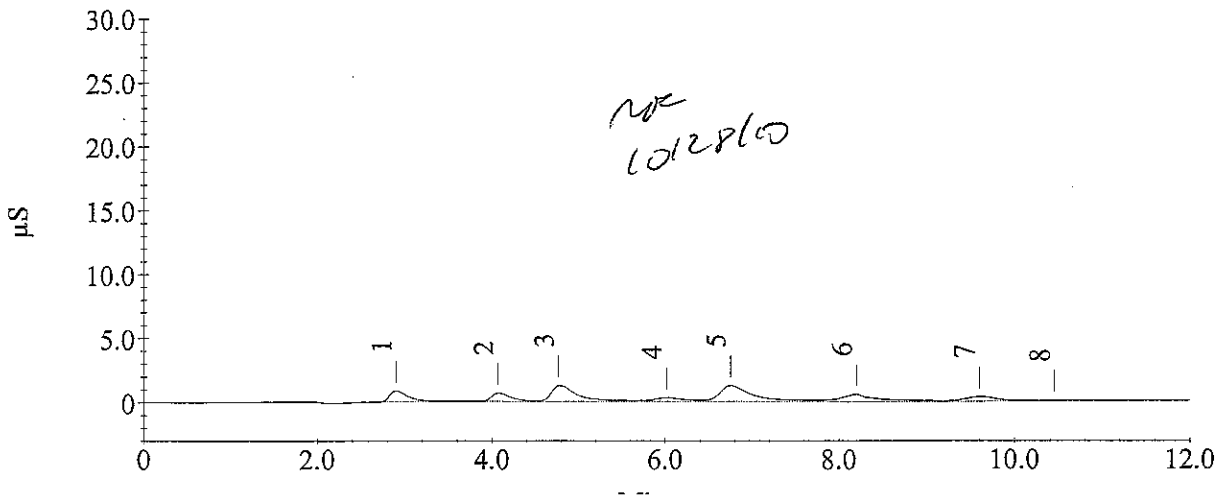
Sample Name : CAL3
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_003.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 2:11:24 PM
Calibration Date : 10/28/10 2:25:42 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.90	126021	117806	117806
2	CHLORIDE	4.07	105631	101095	101095
3	NITRITE	4.77	218655	266324	266324
4	BROMIDE	6.02	34173	72398	72398
5	NITRATE	6.75	216580	339096	339096
6	OrthophosP	8.20	184055	180632	180632
7	SULFATE	9.60	143646	95212	95212

CAL3



NR 10/28/10

Calibration Update Report

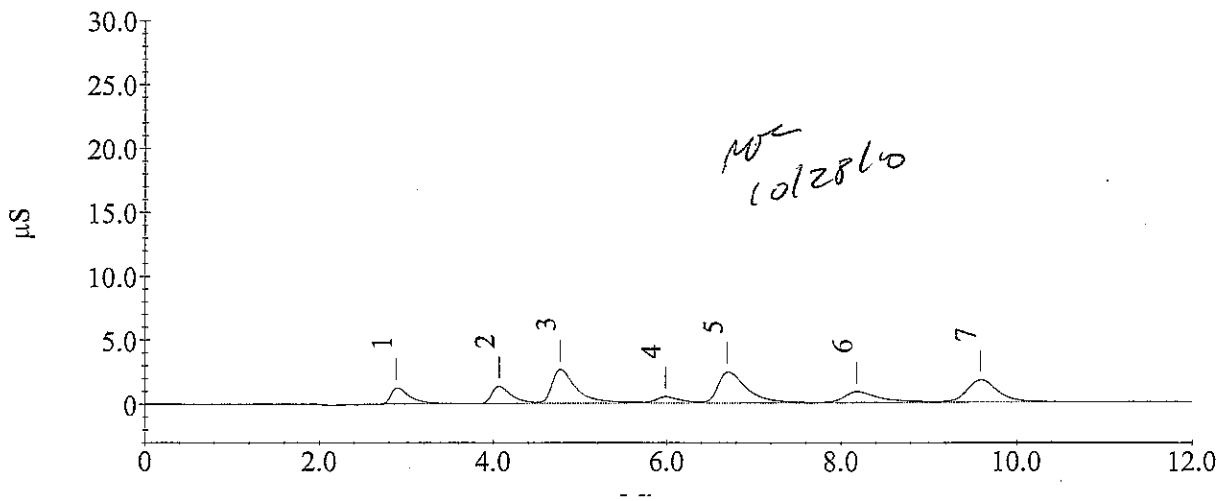
Sample Name : CAL4
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_004.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 2:25:43 PM
Calibration Date : 10/28/10 2:40:01 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.88	198307	182040	182040
2	CHLORIDE	4.07	212934	208694	208694
3	NITRITE	4.77	482097	511066	511066
4	BROMIDE	5.98	97870	98645	98645
5	NITRATE	6.70	563996	551757	551757
6	OrthophosP	8.18	428930	250365	250365
7	SULFATE	9.58	501979	418555	418555

CAL4



MC 10/28/10

: PeakNet 5.21

Page 1 of 1

Current Date : 10/28/1(
Current Time : 15:28:08

Calibration Update Report

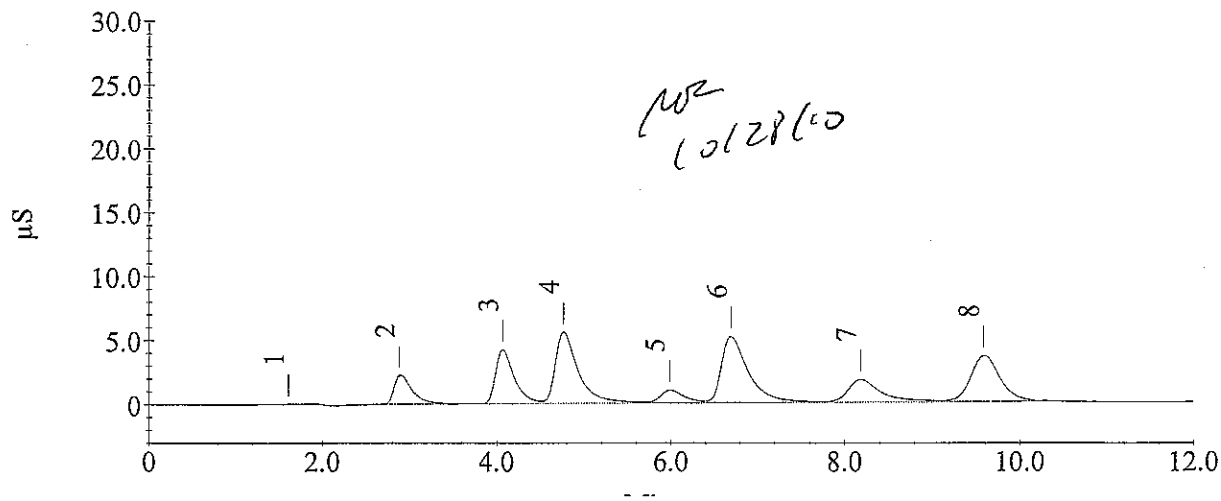
Sample Name : CAL5
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_005.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 2:40:02 PM
Calibration Date : 10/28/10 2:54:20 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	FLUORIDE	2.88	288920	324876	324876
3	CHLORIDE	4.07	630132	622209	622209
4	NITRITE	4.77	954463	1008071	1008071
5	BROMIDE	5.98	198161	187209	187209
6	NITRATE	6.70	1108455	1124517	1124517
7	OrthophosP	8.18	725380	468055	468055
8	SULFATE	9.58	920243	807716	807716

CAL5



MR 10/28/10

Calibration Update Report

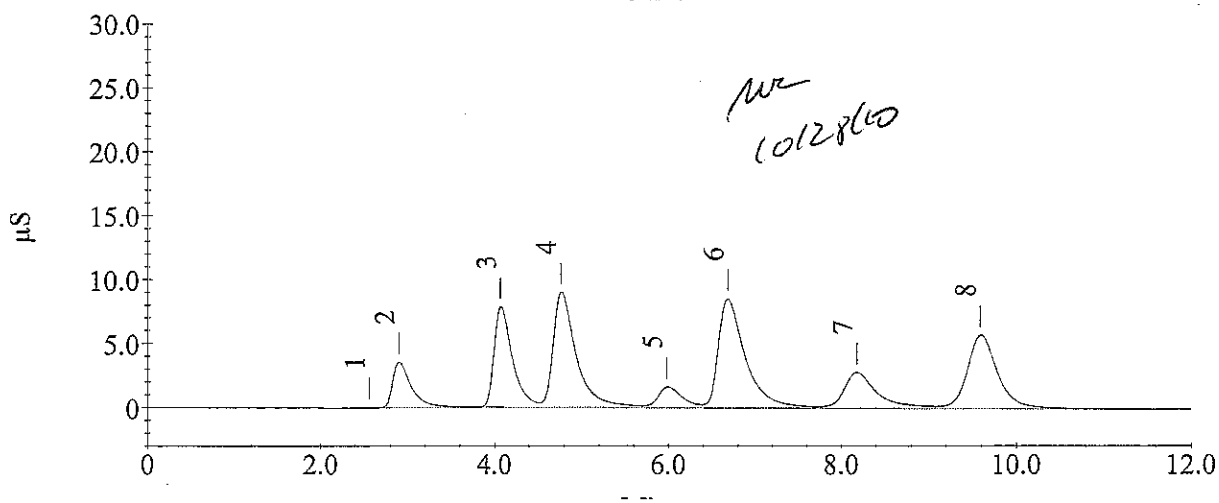
Sample Name : CAL6
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_006.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 2:54:21 PM
Calibration Date : 10/28/10 3:08:39 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	FLUORIDE	2.90	441869	521352	521352
3	CHLORIDE	4.07	1140302	1172190	1172190
4	NITRITE	4.77	1480688	1643161	1643161
5	BROMIDE	5.98	293541	313050	313050
6	NITRATE	6.68	1732784	1854080	1854080
7	OrthophosP	8.18	1004854	750023	750023
8	SULFATE	9.58	1380627	1366999	1366999

CAL6



MR 10/28/10

Calibration Update Report

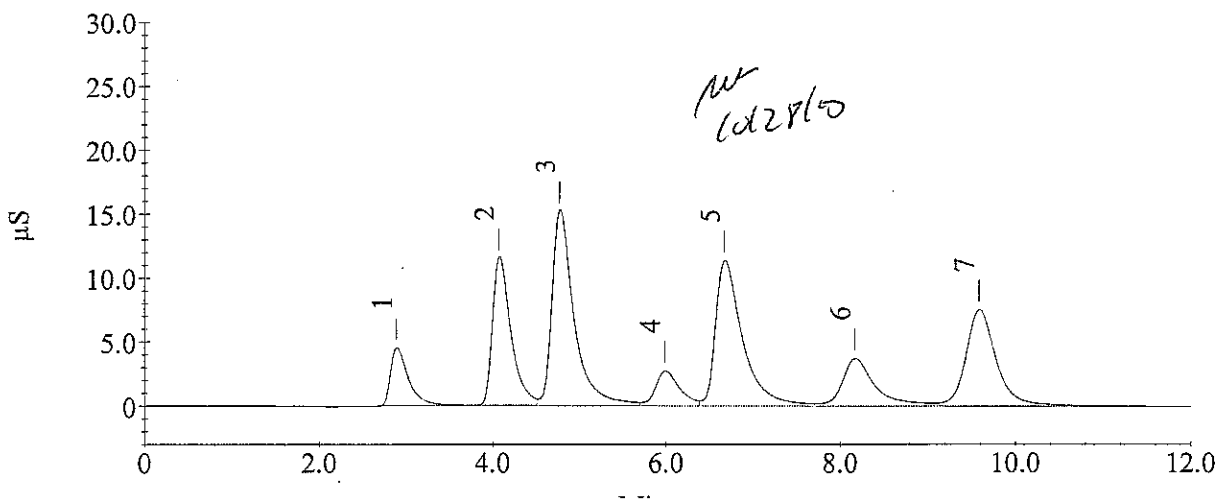
Sample Name : CAL7
Data File Name : C:\PEAKNET\DATA\20101028A\D5907_007.DXD

Method File Name : c:\peaknet\method\dx-120.met
Schedule File Name : c:\peaknet\schedule\20101028a.sch
Date Time Collected : 10/28/10 3:08:40 PM
Calibration Date : 10/28/10 3:22:58 PM
System Operator : Pete Ficarello

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	FLUORIDE	2.90	596668	641757	641757
2	CHLORIDE	4.07	1754064	1704852	1704852
3	NITRITE	4.77	2621510	2738816	2738816
4	BROMIDE	5.98	533627	514668	514668
5	NITRATE	6.67	2379823	2445879	2445879
6	OrthophosP	8.17	1326913	978357	978357
7	SULFATE	9.58	1859004	1795848	1795848

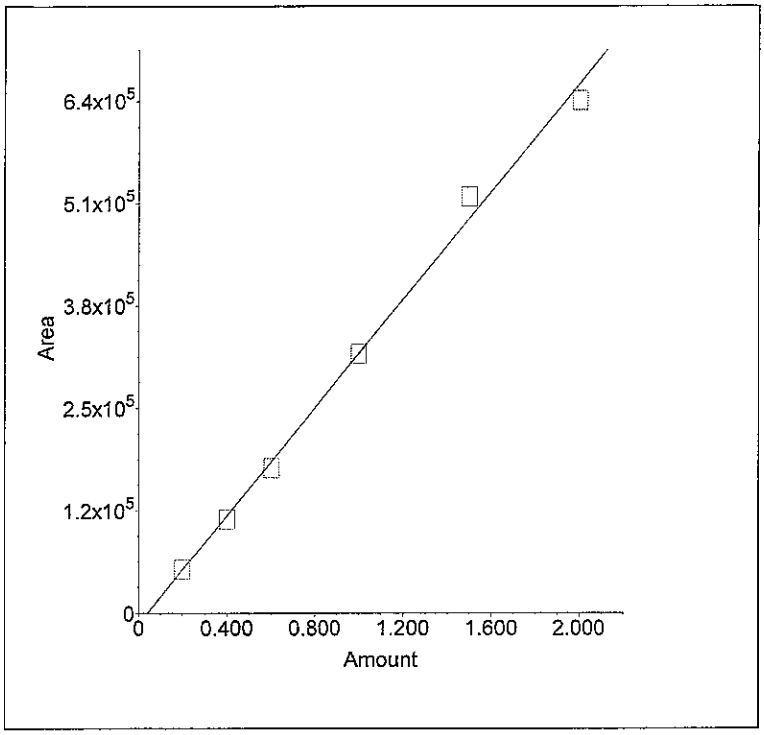
CAL7



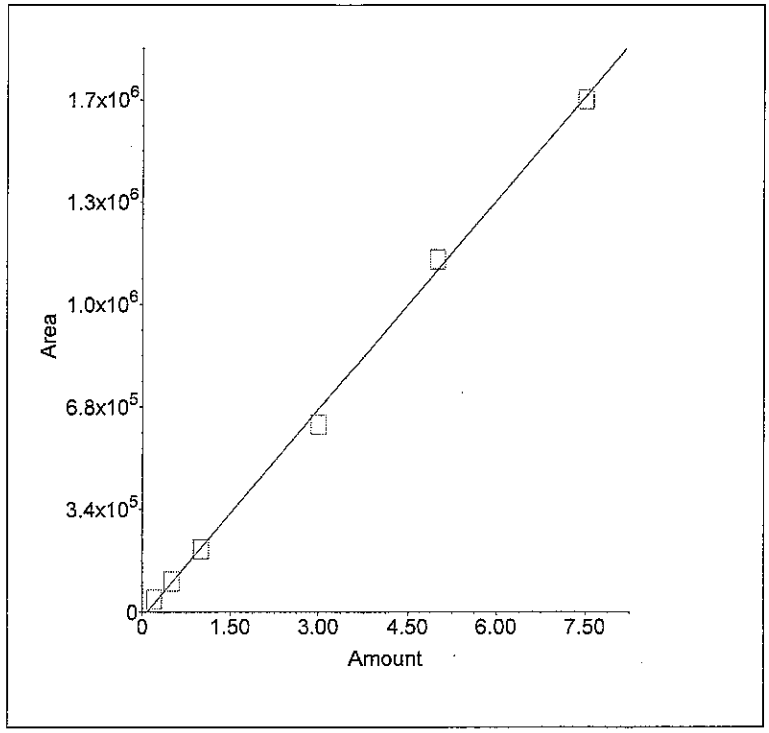
PW 10/28/10

1. Component:FLUORIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995342
Amt=2.955e-006*Resp+0.04219

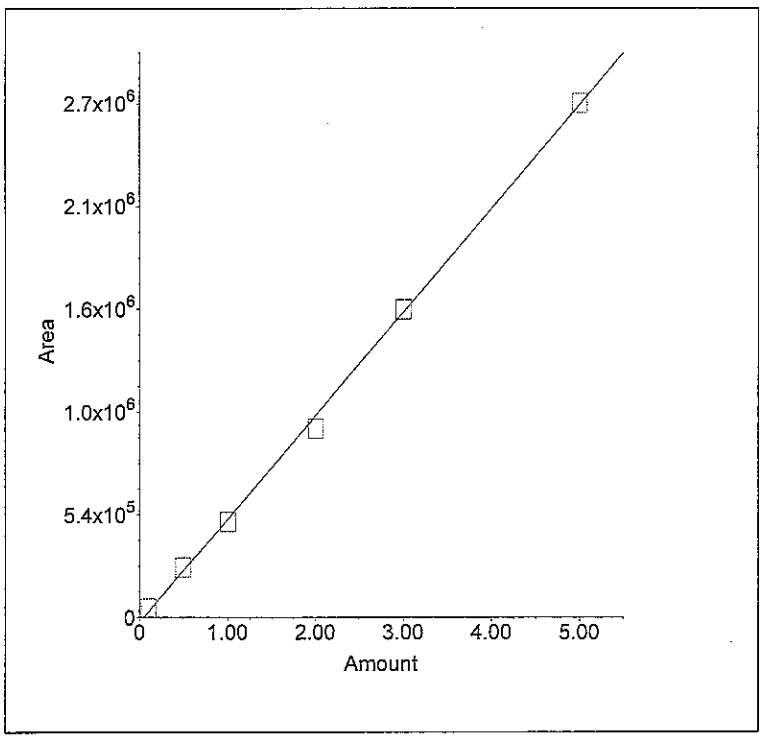
MR 10/28/10



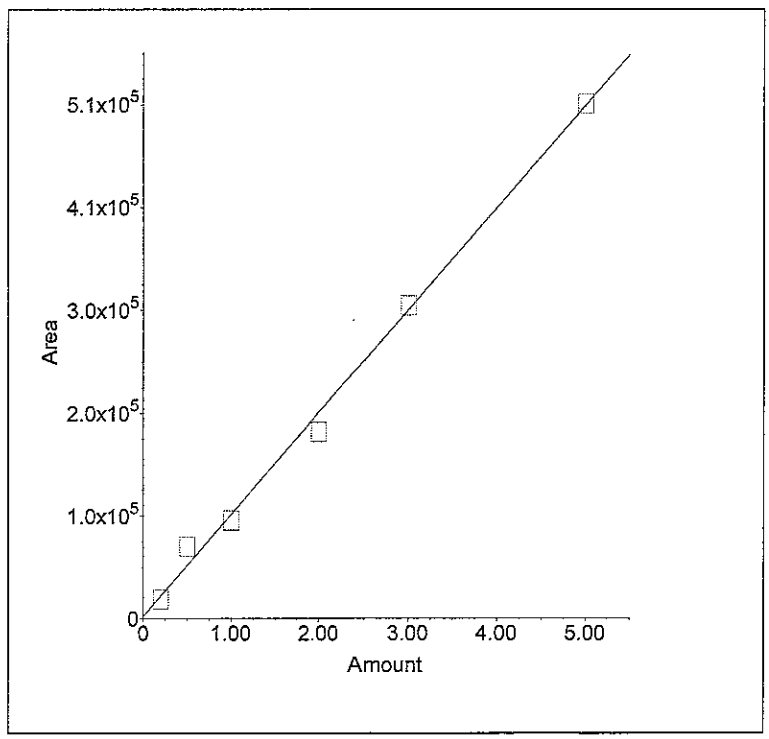
2. Component:CHLORIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998097
Amt=4.326e-006*Resp+0.09028



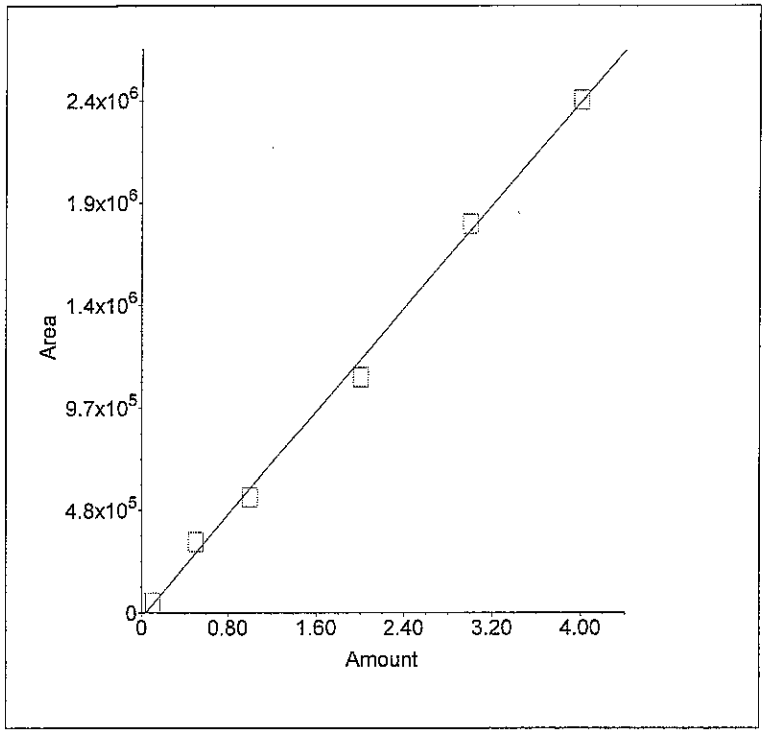
3. Component:NITRITE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998870
Amt=1.814e-006*Resp+0.05423



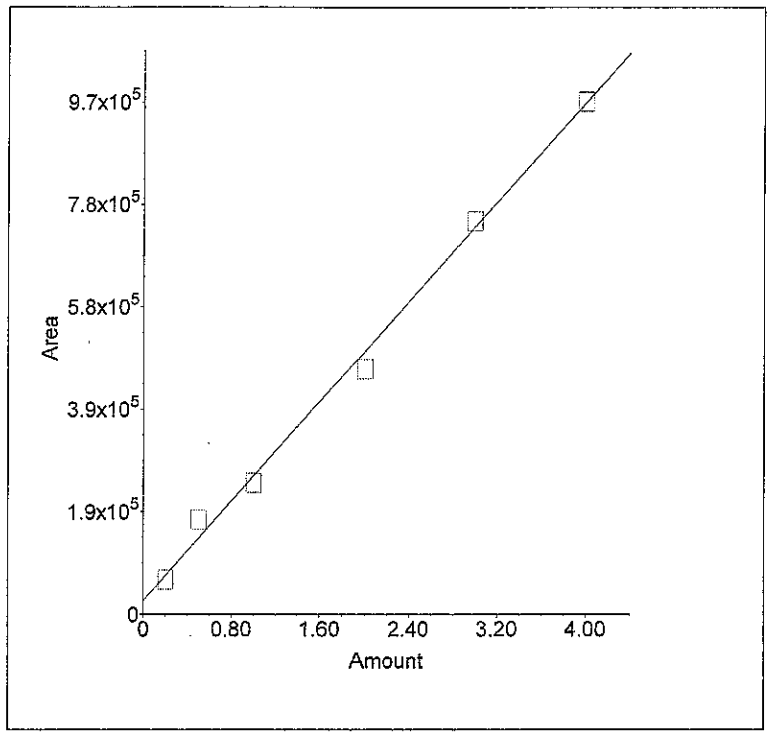
4. Component:BROMIDE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995336
Amt=9.789e-006*Resp+-0.01641



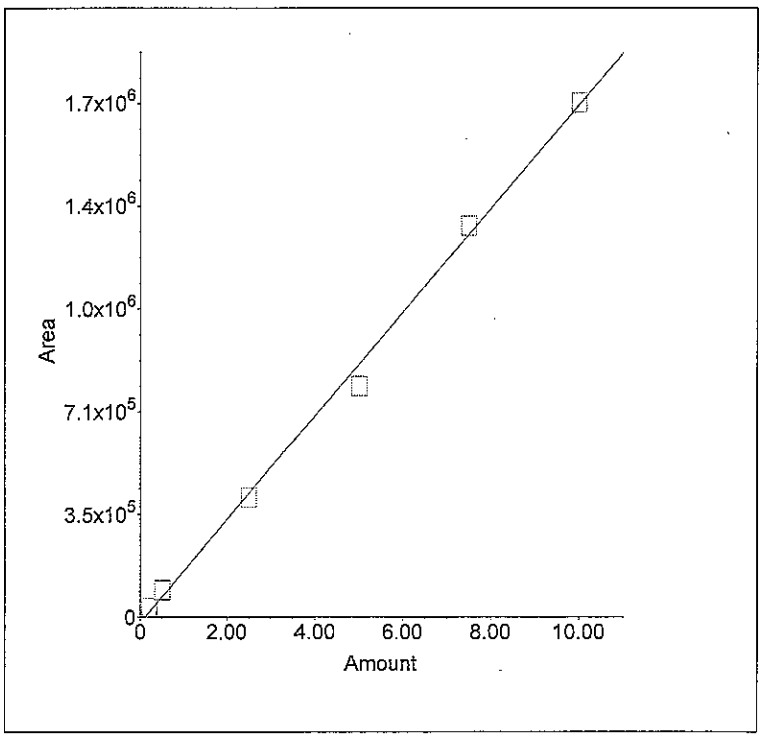
5. Component:NITRATE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area per calib
r^2=0.997110
Amt=1.625e-006*Resp+0.0423



6. Component:OrthophosP
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995667
Amt=4.211e-006*Resp+-0.1067



7. Component:SULFATE
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.996879
Amt=5.534e-006*Resp+0.1165



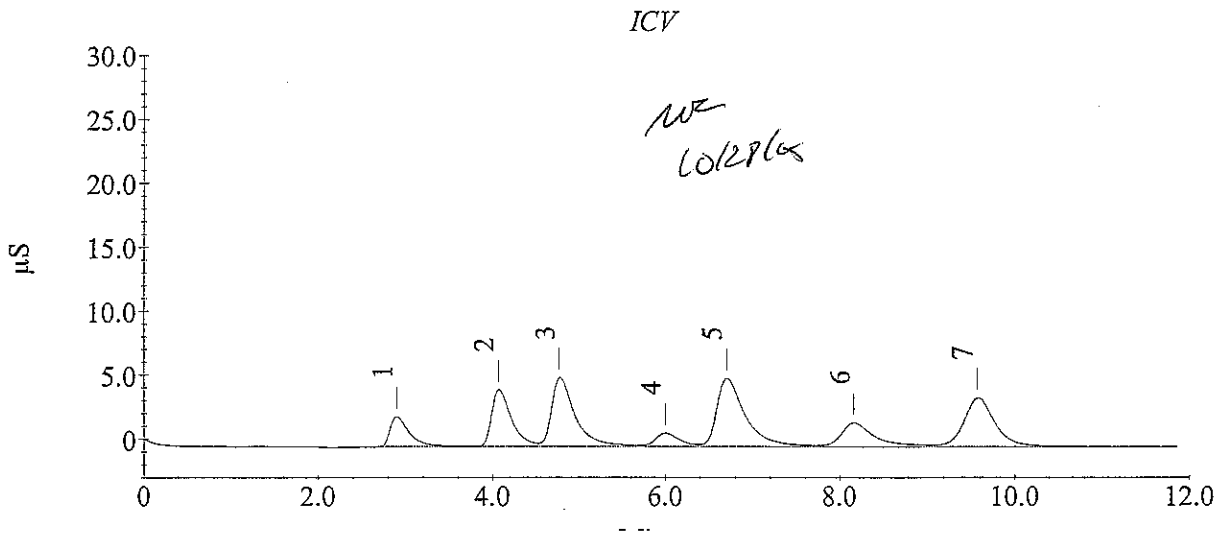
Sample Analysis Report

Sample Name : ICV
Data File Name : C:\PEAKNET\DATA\20101028B\D5908_001.DXD

Method File Name : c:\peaknet\method\dx-120.met
Date Time Collected : 10/28/10 3:37:21 PM
System Operator : Pete Ficarello
Dilution Factor : 1.00
Injection Number : 1

Peak Information : All Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height
1	FLUORIDE	2.90	1.0722	348557	23081
2	CHLORIDE	4.07	3.0483	683732	44009
3	NITRITE	4.77	1.8896	1011944	53423
4	BROMIDE	6.00	1.9628	202197	10327
5	NITRATE	6.70	1.9847	1195072	52879
6	OrthophosP	8.17	2.0382	509410	18594
7	SULFATE	9.57	5.1952	917765	37788



: PeakNet 5.21

Page 1 of 1

Current Date : 10/28/1(
Current Time : 16:36:5(

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Fluoride - IC
Standard Stock ID: WSTICF1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.20	55462	2	55462	0.206	103.0
	3	0.40	117806	3	117806	0.390	97.6
	4	0.60	182040	4	182040	0.580	96.7
	5	1.00	324876	5	324876	1.002	100.2
	6	1.50	521352	6	521352	1.583	105.5
	7	2.00	641757	7	641757	1.939	96.9

slope = 336839

intercept = -12781

r = 0.9977

Analyst Signature: [signature] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Chloride - IC

Standard Stock ID: WSTICCL1 00004

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.20	41442	2	41442	0.270	134.8
	3	0.50	101095	3	101095	0.528	105.5
	4	1.00	208694	4	208694	0.993	99.3
	5	3.00	622209	5	622209	2.782	92.7
	6	5.00	1172190	6	1172190	5.162	103.2
	7	7.50	1704852	7	1704852	7.466	99.5

slope = 230705

intercept = -19608

r = 0.9990

Analyst Signature: [illegible] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Nitrite - IC

Standard Stock ID: WSTICNI1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.10	48868	2	48868	0.143	142.9
	3	0.50	266324	3	266324	0.537	107.5
	4	1.00	511066	4	511066	0.981	98.1
	5	2.00	1008071	5	1008071	1.883	94.1
	6	3.00	1643161	6	1643161	3.034	101.1
	7	5.00	2738816	7	2738816	5.022	100.4

slope = 550730

intercept = -28694

r = 0.9994

Analyst Signature: [illegible] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle)		
	IC4 (DX-120)	DX120.met
	IC3 (DX-100)	DX100.met

Compound: Bromide - IC

Standard Stock ID: WSTICBR1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.20	19358	2	19358	0.173	86.5
	3	0.50	72398	3	72398	0.692	138.5
	4	1.00	98645	4	98645	0.949	94.9
	5	2.00	187209	5	187209	1.816	90.8
	6	3.00	313050	6	313050	3.048	101.6
	7	5.00	514668	7	514668	5.021	100.4

slope =	101683
intercept =	2605
r =	0.9977

Analyst Signature: [signature] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) ~~IC4 (DX-120)~~ DX120.met
IC3 (DX-100) DX100.met

Compound: Nitrate - IC

Standard Stock ID: WSTICNO31_00002

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.10	50183	2	50183	0.124	123.9
	3	0.50	339096	3	339096	0.593	118.7
	4	1.00	551757	4	551757	0.939	93.9
	5	2.00	1124517	5	1124517	1.870	93.5
	6	3.00	1854080	6	1854080	3.056	101.9
	7	4.00	2445879	7	2445879	4.018	100.4

slope = 613472

intercept = -22882

r = 0.9986

Analyst Signature: [illegible] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) ~~IC4 (DX-120)~~ DX120.met
IC3 (DX-100) DX100.met

Compound: Orthophosphate - IC
Standard Stock ID: WSTICP1_00003

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.20	65855	2	65855	0.171	85.3
	3	0.50	180632	3	180632	0.654	130.8
	4	1.00	250365	4	250365	0.947	94.7
	5	2.00	468055	5	468055	1.864	93.2
	6	3.00	750023	6	750023	3.051	101.7
	7	4.00	978357	7	978357	4.013	100.3

slope = 236470

intercept = 27177

r = 0.9978

Analyst Signature: [illegible] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

Test America Chicago

LINEAR REGRESSION ANALYZER SPREADSHEET

Enter values for X and Y, then enter new X values for predicted Y's.

Instrument (circle) IC4 (DX-120) DX120.met
IC3 (DX-100) DX100.met

Compound: Sulfate - IC

Standard Stock ID: WSTICS1_00004

Calibration Date	Point #	Conc. mg/L X	Total Pk.Area Y	Inject #	Pk.Area Y	Predict X	% Rec.
10/28/10	1						
	2	0.20	33558	2	33558	0.302	151.1
	3	0.50	95212	3	95212	0.643	128.7
	4	2.50	418555	4	418555	2.433	97.3
	5	5.00	807716	5	807716	4.586	91.7
	6	7.50	1366999	6	1366999	7.681	102.4
	7	10.00	1795848	7	1795848	10.054	100.5

slope = 180143

intercept = -18633

r = 0.9984

Analyst Signature: [signature] Date: 10/28/10

Revision: LINREGIC.XLS 09/14/99

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-28652
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 3.1

Client: OTIE
Client Project #:
Project Name: Vulcan Louisville Fansteel
Project Location/State: North Chicago, IL
Lab Project #:
Sampler: Naren Bahn / CR
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Metals	Alkalinity	Methane	Anions	TOC				Comments
1		VLF-MW-1	10/19/10	10:00		W	X	X	X		X	X				
2		VLF-MW-2	10/18/10	15:45			X	X	X	X	X					
3		VLF-MW-3	10/18/10	14:15			X	X	X	X	X					
4		VLF-MW-4	10/18/10	18:10			X	X	X		X	X				
5		VLF-MW-2 DUP	10/18/10	15:45			X	X								
6		OLD-MW-4	10/18/10	1800			X	X	X		X	X				
1		OLD-MW-4 MS	10/18/10	1800			X	X								
1		OLD-MW-4 MSD	10/18/10	1800			X	X								
7		TRIP BLANK				W	X									
8		VLF-MW-7	10/19/10	13:00 13:02		W	X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days X 15 Days _____ Other
Requested Due Date

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Bahn	OTIE	10/19/10	1350	[illegible]	TA	10-19-10	1350
				[illegible]	TA	10/19/10	1530

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

11/10/2010

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-28652
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 34

Client: OTIE
Client Project #:
Project Name: Vulcan Louisville Farmstead
Project Location/State: North Chicago, IL
Lab Project #:
Sampler: NB/CR/EW
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Metals	Methane, ethene, ethane	Anions	Alkalinity	TOC				Comments
9		OLD-MW-9	10/19/10	1500		W	X			X	X	X				
10		VLF-MW-5	10/19/10	1420		W	X	X		X	X	X				
11		VLF-MW-6	10/19/10	1330		W	X	X	X	X	X	X				
12		TRIP BLANK-2				W	X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days X 15 Days ____ Other
Requested Due Date ____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Bahm	OTIE	10/20/10	10:10	[signature]	TestAmerica	10/20/10	1010
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

11/10/2010
TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-28652
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 3.1

Client: OTIE
Client Project #:
Project Name: Vulcan Lonisville Farnstead
Project Location/State: North Chicago, IL
Lab Project #:
Sampler: Naren Bhn / EW CR
Lab PM:

Preservative:
Parameter:

All 3 gases required per client

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Metals	Alkalinity	Methane	Anions	TOC				Comments
1		VLF-MW-1	10/18/10	10:00		W	X	X	X	X	X	X				
2		VLF-MW-2	10/18/10	15:45			X	X	X	X	X					
3		VLF-MW-3	10/18/10	14:15			X	X	X	X	X					
4		VLF-MW-4	10/18/10	18:10			X	X	X	X	X	X				
5		VLF-MW-2 DUP	10/18/10	15:45			X	X								
6		OLD-MW-4	10/18/10	1800			X	X	X	X	X	X				
1		OLD-MW-4 MS	10/18/10	1800			X	X								
1		OLD-MW-4 MSD	10/18/10	1800			X	X								
7		TRIP BLANK				W	X									
8		VLF-MW-7	10/19/10	13:00 13:00		W	X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days X 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Bhn	OTIE	10/19/10	1350	[signature]	TA	10/19/10	1350
				[signature]	TA	10/19/10	1530

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:
10/20/10:
Per client: all 3 gases required.
(*) Samples 1, 4, 6 received on 10/20
(*) Missed on COC to be checked. Left a msg / client.
MER

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-28652
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 34

Client: OTIE
Client Project #:
Project Name: Vulcan Louisville Farmstead
Project Location/State: North Chicago, IL
Lab Project #:
Sampler: NB/CR/EW
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Metals	Methane, ethene, ethane	Anions	Alkalinity	TOC				Comments
9		OLD-MW-9	10/19/10	1500		W	X ✓		(X) ✓	X ✓	X ✓	X ✓				
10		VLF-MW-5	10/19/10	1420		W	X ✓	X ✓	(X) ✓	X ✓	X ✓	X ✓				
11		VLF-MW-6	10/19/10	1330		W	X ✓	X ✓	X ✓	X ✓	X ✓	X ✓				
12		TRIP BLANK-2				W	X ✓									
-																

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days X 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Balan	OTIE	10/20/10	10:10	[signature]	TEA Amr	10/20/10	1010
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:
10/20/10
(X) Sample preserved, hosted in per-client.
MGL

TestAmerica Chicago
Intra-Laboratory Internal Sample Custody Transfer Record

Job No: 500-28652

Client:

Sample No.	Analysis	Relinquished by:	Received by:	Date	Time	Comments
1-6	digestion	[illegible]	T. [illegible]	10/27/10	08:00	
1-6	ICP	T. [illegible]	[illegible]	10/28/10	15:00	

CHI-22-11-019/B-07/07

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534 5211

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Krueding, Marilyn G	Carrier Tracking No(s):	COC No: 500-5164.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: marilyn.krueding@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 500-28652-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 11/9/2010			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel)	PO #:			
Email:	WO #:			
Project Name: Vulcan Louisville Fansteel	Project #: 50004270			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
VLF-MW-2 (500-28652-2)	10/18/10	15:45 Central		Water			X	3	
VLF-MW-3 (500-28652-3)	10/18/10	14:15 Central		Water			X	3	
VLF-MW-7 (500-28652-8)	10/19/10	13:00 Central		Water			X	3	
VLF-MW-6 (500-28652-11)	10/19/10	13:30 Central		Water			X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/21/10 1015	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Burlington Facility
Internal Chain of Custody Log (ICOC)

Project Information:

Login # 500-28652	**Method:** RSK-175
Client STL-ILC	**LAB IDs:** 500-28652-2,3,8,11

Samples associated with this login were placed into storage on 10/21/10 (Date) 1305 (Time[2]) **by:** [signature] *Sample Custodian Signature*

Storage Location: VOA FRIDGE ~~B~~ A, SHELF 8 *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ✓ Refrigeration ___ Frozen ___ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		500-28652,3,8,11	10/21/10	1520		✓		[signature]	[signature]	Analysis
✓		"	10/21/10	1530			✓	[signature]	[signature]	storage
✓		"	10/22/10	0900		✓		[signature]	[signature]	Analysis
✓		"	10/22/10	0915			✓	[signature]	[signature]	storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

TestAmerica

Login Sample Receipt Check List

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Login Number: 28652
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.1
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.	False	See NCM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-28652-1

Login Number: 28652
Creator: Keeton, Jamie
List Number: 1

List Source: TestAmerica Burlington
List Creation: 10/21/10 12:54 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	295932
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	2.4ºC, IR GUN ID 96, CF -1
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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	