TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-4826-1

Job Description: Nelson Well, Peete CO

For:
Terracon Consulting Eng & Scientists
10625 W I-70 Frontage Rd. N.
Wheatridge, CO 80033

Attention: John Dellaport

Lori Parsons

Approved for release.
Lori A Parsons
Project Manager I
7/15/2010 1:40 PM

Lori A Parsons
Project Manager I
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07/15/2010

cc: Jared C Geissler

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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ACCREDITED IN ACCORDANCE WITH nelac

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CASE NARRATIVE

Client: Terracon Consulting Eng & Scientists

Project: Nelson Well, Peete CO

Report Number: 280-4826-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/25/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.3 degrees C.

The laboratory noted two trip blank vials were recieved but not listed on the Chain-of-Custody. The vials were logged in for BTEX analysis by 8021B.

VOLATILE ORGANIC COMPOUNDS (GC)

Samples NELSON 1 (280-4826-1) and TRIP BLANK (280-4826-2) were analyzed for volatile organic compounds (GC) in accordance with EPA SW-846 Method 8021B. The samples were analyzed on 07/06/2010.

TestAmerica Denver's practice for the reporting of dual column data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

A Continuing Calibration Verification (CCV) standard associated with analytical batch 22048 exhibited %Ds >15%, for benzene, o-xylene, m&p-xylene, total xylenes. The overall mean %D is ≤15%; therefore, method criteria have been met and corrective action was deemed unnecessary.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED GASES

Sample NELSON 1 (280-4826-1) was analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 07/01/2010.

TestAmerica Denver's practice for the reporting of dual column data is to report the results from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes are reported as PRIMARY on the Sample Datasheets.

No difficulties were encountered during the dissolved gases analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Sample NELSON 1 (280-4826-1) was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/30/2010 and analyzed on 07/01/2010.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

ANIONS

Sample NELSON 1 (280-4826-1) was analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 07/06/2010.

Sample NELSON 1 (280-4826-1)[5X] required dilution prior to analysis for sulfate. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analysis.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN
Sample NELSON 1 (280-4826-1) was analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 07/02/2010.

No difficulties were encountered during the nitrate-nitrite analysis.

All quality control parameters were within the acceptance limits.

CATION ANION BALANCE
Sample NELSON 1 (280-4826-1) was analyzed for Cation Anion Balance in accordance with Cation Anion Balance. The samples were analyzed on 07/14/2010.

Anion/Cation Balance and Percent Difference were detected in method blank MB 280-22892/1 at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the Cation Anion Balance analysis.

All other quality control parameters were within the acceptance limits.

SPECIFIC CONDUCTIVITY
Sample NELSON 1 (280-4826-1) was analyzed for specific conductivity in accordance with SM20 2510B. The samples were analyzed on 07/07/2010.

No difficulties were encountered during the specific conductivity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Sample NELSON 1 (280-4826-1) was analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/01/2010.

Total Dissolved Solids was detected in method blank MB 280-21379/1 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the TDS analysis.

All other quality control parameters were within the acceptance limits.

ALKALINITY
Sample NELSON 1 (280-4826-1) was analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 07/07/2010.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Sample NELSON 1 (280-4826-1) was analyzed for corrosivity (pH) in accordance with SM20 4500 H+ B. The samples were analyzed on 06/26/2010.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-4826-1

SDG No.:

Instrument ID: GCV_P Analysis Batch Number: 12345

Lab Sample ID: IC 280-12345/1 Client Sample ID:

Date Analyzed: 04/22/10 15:05 Lab File ID: 110F0501.D GC Column: RTX 502.2 ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl tert-butyl ether	5.55	Analyte not Identified by the Data System	reamb	04/23/10 08:11

SAMPLE SUMMARY

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-4826-1	NELSON 1	Water	06/25/2010 1125	06/25/2010 1407
280-4826-2TB	TRIP BLANK	Water	06/25/2010 0000	06/25/2010 1407

EXECUTIVE SUMMARY - Detections

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-4826-1	**NELSON 1**					
Toluene		2.8		0.50	ug/L	8021B
Methane		47		5.0	ug/L	RSK-175
Calcium		12000		200	ug/L	6010B
Potassium		9800		3000	ug/L	6010B
Magnesium		4000		200	ug/L	6010B
Manganese		10		10	ug/L	6010B
Sodium		280000		1000	ug/L	6010B
Bromide		0.77		0.20	mg/L	300.0
Chloride		46		3.0	mg/L	300.0
Fluoride		1.0		0.50	mg/L	300.0
Sulfate		160		25	mg/L	300.0
Total Anions		13			meq/L	SM 1030F
Total Cations		13			meq/L	SM 1030F
Percent Difference		1.8			%	SM 1030F
Anion/Cation Balance		1.8			%	SM 1030F
Alkalinity		410		5.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		410		5.0	mg/L	SM 2320B
Specific Conductance		1200		2.0	umhos/cm	SM 2510B
Total Dissolved Solids		810	B	10	mg/L	SM 2540C
pH adj. to 25 deg C		8.00	HF	0.100	SU	SM 4500 H+ B

METHOD SUMMARY

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC)	TAL DEN	SW846 8021B	
Purge and Trap	TAL DEN		SW846 5030B
Dissolved Gases (GC)	TAL DEN	RSK RSK-175	
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Total Metals	TAL DEN		SW846 3010A
Anions, Ion Chromatography	TAL DEN	MCAWW 300.0	
Nitrogen, Nitrate-Nitrite	TAL DEN	MCAWW 353.2	
Cation Anion Balance	TAL DEN	SM SM 1030F	
Alkalinity	TAL DEN	SM SM 2320B	
Conductivity, Specific Conductance	TAL DEN	SM SM 2510B	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
pH	TAL DEN	SM SM 4500 H+ B	

Lab References:

TAL DEN = TestAmerica Denver

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: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method	Analyst	Analyst ID
SW846 8021B	Ream, Brian E	BER
RSK RSK-175	Ream, Brian E	BER
SW846 6010B	Harre, John K	JKH
MCAWW 300.0	Kudla, Ewa	EK
MCAWW 353.2	Jarusewic, Lara E	LEJ
SM SM 1030F	Sullivan, Roxanne	RS
SM SM 2320B	Derosia, Marcia R	MRD
SM SM 2510B	Derosia, Marcia R	MRD
SM SM 2540C	Domnick, Brandon J	BJD
SM SM 4500 H+ B	Kilker, Lorelei M	LMK

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1 Date Sampled: 06/25/2010 1125
Client Matrix: Water Date Received: 06/25/2010 1407

8021B Volatile Organic Compounds (GC)

Method:	8021B	Analysis Batch: 280-22048		Instrument ID:	GCV_P
Preparation:	5030B			Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	07/06/2010 1246			Injection Volume:	5 mL
Date Prepared:	07/06/2010 1246			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.065	0.50
Ethylbenzene	ND		0.10	0.50
Toluene	2.8		0.17	0.50
m-Xylene & p-Xylene	ND		0.19	0.50
o-Xylene	ND		0.23	0.50
Xylenes, Total	ND		0.19	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	96		85 - 115

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1 Date Sampled: 06/25/2010 1125
Client Matrix: Water Date Received: 06/25/2010 1407

8021B Volatile Organic Compounds (GC)

Method:	8021B	Analysis Batch: 280-22048		Instrument ID:	GCV_P
Preparation:	5030B			Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	07/06/2010 1246			Injection Volume:	5 mL
Date Prepared:	07/06/2010 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	95		85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-4826-2TB
Client Matrix: Water

Date Sampled: 06/25/2010 0000
Date Received: 06/25/2010 1407

8021B Volatile Organic Compounds (GC)

Method:	8021B	Analysis Batch: 280-22048	Instrument ID: GCV_P
Preparation:	5030B		Initial Weight/Volume: 5 mL
Dilution:	1.0		Final Weight/Volume: 5 mL
Date Analyzed:	07/06/2010 1322		Injection Volume: 5 mL
Date Prepared:	07/06/2010 1322		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.065	0.50
Ethylbenzene	ND		0.10	0.50
Toluene	ND		0.17	0.50
m-Xylene & p-Xylene	ND		0.19	0.50
o-Xylene	ND		0.23	0.50
Xylenes, Total	ND		0.19	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	94		85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-4826-2TB
Client Matrix: Water

Date Sampled: 06/25/2010 0000
Date Received: 06/25/2010 1407

8021B Volatile Organic Compounds (GC)

Method:	8021B	Analysis Batch: 280-22048	Instrument ID: GCV_P
Preparation:	5030B		Initial Weight/Volume: 5 mL
Dilution:	1.0		Final Weight/Volume: 5 mL
Date Analyzed:	07/06/2010 1322		Injection Volume: 5 mL
Date Prepared:	07/06/2010 1322		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	94		85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1
Client Matrix: Water

Date Sampled: 06/25/2010 1125
Date Received: 06/25/2010 1407

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 280-21521	Instrument ID: GCV_J
Preparation:	N/A		Initial Weight/Volume: 18 mL
Dilution:	1.0		Final Weight/Volume: 18 mL
Date Analyzed:	07/01/2010 1606		Injection Volume:
Date Prepared:			Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	47		0.22	5.0

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1
Client Matrix: Water

Date Sampled: 06/25/2010 1125
Date Received: 06/25/2010 1407

RSK-175 Dissolved Gases (GC)

Method:	RSK-175	Analysis Batch: 280-21521		Instrument ID:	GCV_J
Preparation:	N/A			Initial Weight/Volume:	18 mL
Dilution:	1.0			Final Weight/Volume:	18 mL
Date Analyzed:	07/01/2010 1606			Injection Volume:	
Date Prepared:				Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	47		0.22	5.0

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1
Client Matrix: Water

Date Sampled: 06/25/2010 1125
Date Received: 06/25/2010 1407

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-21428		Instrument ID:	MT_025
Preparation:	3010A	Prep Batch: 280-21225		Lab File ID:	25A5063010.txt
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 0931			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1500				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Calcium	12000		34	200
Iron	ND		22	100
Potassium	9800		240	3000
Magnesium	4000		11	200
Manganese	10		0.25	10
Sodium	280000		92	1000
Selenium	ND		4.9	15

General Chemistry

Client Sample ID: **NELSON 1**

Lab Sample ID: 280-4826-1 Date Sampled: 06/25/2010 1125
Client Matrix: Water Date Received: 06/25/2010 1407

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Bromide	0.77		mg/L	0.11	0.20	1.0	300.0
Analysis Batch: 280-22017	Date Analyzed: 07/06/2010 1510						
Chloride	46		mg/L	0.25	3.0	1.0	300.0
Analysis Batch: 280-22017	Date Analyzed: 07/06/2010 1510						
Fluoride	1.0		mg/L	0.060	0.50	1.0	300.0
Analysis Batch: 280-22017	Date Analyzed: 07/06/2010 1510						
Sulfate	160		mg/L	1.2	25	5.0	300.0
Analysis Batch: 280-22017	Date Analyzed: 07/06/2010 2029						
Nitrate Nitrite as N	ND		mg/L	0.019	0.10	1.0	353.2
Analysis Batch: 280-21671	Date Analyzed: 07/02/2010 1050						
Alkalinity	410		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-22204	Date Analyzed: 07/07/2010 2322						
Bicarbonate Alkalinity as CaCO3	410		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-22204	Date Analyzed: 07/07/2010 2322						
Carbonate Alkalinity as CaCO3	ND		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-22204	Date Analyzed: 07/07/2010 2322						
Hydroxide Alkalinity	ND		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-22204	Date Analyzed: 07/07/2010 2322						
Total Dissolved Solids	810	B	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-21379	Date Analyzed: 07/01/2010 0939						

Analyte	Result	Qual	Units	Dil	Method
Total Anions	13		meq/L	1.0	SM 1030F
Analysis Batch: 280-22892	Date Analyzed: 07/14/2010 0953				
Total Cations	13		meq/L	1.0	SM 1030F
Analysis Batch: 280-22892	Date Analyzed: 07/14/2010 0953				
Percent Difference	1.8		%	1.0	SM 1030F
Analysis Batch: 280-22892	Date Analyzed: 07/14/2010 0953				
Anion/Cation Balance	1.8		%	1.0	SM 1030F
Analysis Batch: 280-22892	Date Analyzed: 07/14/2010 0953				

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Specific Conductance	1200		umhos/cm	2.0	2.0	1.0	SM 2510B
Analysis Batch: 280-22051	Date Analyzed: 07/07/2010 1356						
pH adj. to 25 deg C	8.00	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 280-20855	Date Analyzed: 06/26/2010 1148						

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Surrogate Recovery Report

8021B Volatile Organic Compounds (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec	TFT2 %Rec
280-4826-1	NELSON 1	96	95
280-4826-2	TRIP BLANK	94	94
MB 280-22048/4		98	98
LCS 280-22048/2		98	96
LCSD 280-22048/3		95	93
280-4872-G-1 MS		97	96
280-4872-G-1 MSD		96	95

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	85-115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-22048

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 280-22048/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1150
Date Prepared: 07/06/2010 1150

Analysis Batch: 280-22048
Prep Batch: N/A
Units: ug/L

Instrument ID: GCV_P
Lab File ID: 110F0501.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.065	0.50
Ethylbenzene	ND		0.10	0.50
Toluene	ND		0.17	0.50
m-Xylene & p-Xylene	ND		0.19	0.50
o-Xylene	ND		0.23	0.50
Xylenes, Total	ND		0.19	0.50

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene	98	85 - 115

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene	98	85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-22048

Method: 8021B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-22048/2	Analysis Batch:	280-22048	Instrument ID:	GCV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	108F0301.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	07/06/2010 1038			Final Weight/Volume:	5 mL
Date Prepared:	07/06/2010 1038			Injection Volume:	5 mL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-22048/3	Analysis Batch:	280-22048	Instrument ID:	GCV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	109F0401.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	07/06/2010 1114			Final Weight/Volume:	5 mL
Date Prepared:	07/06/2010 1114			Injection Volume:	5 mL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	93	97	75 - 117	4	45		
Ethylbenzene	98	98	79 - 115	0	46		
Toluene	97	95	77 - 115	1	45		
m-Xylene & p-Xylene	98	99	79 - 116	0	46		
o-Xylene	100	101	79 - 116	1	46		
Xylenes, Total	99	99	79 - 116	1	46		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	98	95	85 - 115

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	96	93	85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-22048

Method: 8021B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-22048/2	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-22048/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/06/2010 1038			Date Analyzed:	07/06/2010 1114
Date Prepared:	07/06/2010 1038			Date Prepared:	07/06/2010 1114

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	20.0	20.0	18.7	19.4
Ethylbenzene	20.0	20.0	19.6	19.7
Toluene	20.0	20.0	19.3	19.1
m-Xylene & p-Xylene	40.0	40.0	39.4	39.5
o-Xylene	20.0	20.0	20.0	20.1
Xylenes, Total	60.0	60.0	59.3	59.6

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-22048

Method: 8021B
Preparation: 5030B

MS Lab Sample ID:	280-4872-G-1 MS	Analysis Batch: 280-22048	Instrument ID: GCV_P
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 114F0901.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/06/2010 1434		Final Weight/Volume: 5 mL
Date Prepared:	07/06/2010 1434		Injection Volume: 5 mL
			Column ID: PRIMARY

MSD Lab Sample ID:	280-4872-G-1 MSD	Analysis Batch: 280-22048	Instrument ID: GCV_P
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 115F1001.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/06/2010 1510		Final Weight/Volume: 5 mL
Date Prepared:	07/06/2010 1510		Injection Volume: 5 mL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	98	96	75 - 117	2	45		
Ethylbenzene	100	99	79 - 115	1	46		
Toluene	100	99	77 - 115	1	45		
m-Xylene & p-Xylene	101	100	79 - 116	1	46		
o-Xylene	103	102	79 - 116	1	46		
Xylenes, Total	102	101	79 - 116	1	46		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	97	96	85 - 115

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	96	95	85 - 115

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-22048

Method: 8021B
Preparation: 5030B

MS Lab Sample ID:	280-4872-G-1 MS	Units: ug/L	MSD Lab Sample ID:	280-4872-G-1 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	07/06/2010 1434		Date Analyzed:	07/06/2010 1510	
Date Prepared:	07/06/2010 1434		Date Prepared:	07/06/2010 1510	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	ND		20.0	20.0	19.5	19.2
Ethylbenzene	0.17	J	20.0	20.0	20.2	19.9
Toluene	ND		20.0	20.0	20.0	19.8
m-Xylene & p-Xylene	ND		40.0	40.0	40.5	40.2
o-Xylene	ND		20.0	20.0	20.6	20.5
Xylenes, Total	ND		60.0	60.0	61.1	60.7

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-21521

Method: RSK-175
Preparation: N/A

Lab Sample ID: MB 280-21521/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1442
Date Prepared: N/A

Analysis Batch: 280-21521
Prep Batch: N/A
Units: ug/L

Instrument ID: GCV_J
Lab File ID: 006F0601.D
Initial Weight/Volume: 18 mL
Final Weight/Volume: 18 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Methane	ND		0.22	5.0

Method Blank - Batch: 280-21521

Method: RSK-175
Preparation: N/A

Lab Sample ID: MB 280-21521/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1442
Date Prepared: N/A

Analysis Batch: 280-21521
Prep Batch: N/A
Units: ug/L

Instrument ID: GCV_J
Lab File ID: 006F0601.D
Initial Weight/Volume: 18 mL
Final Weight/Volume: 18 mL
Injection Volume:
Column ID: SECONDARY

Analyte	Result	Qual	MDL	RL
Methane	ND		0.22	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-21521/2	Analysis Batch:	280-21521	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	004F0401.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	18 mL
Date Analyzed:	07/01/2010 1434			Final Weight/Volume:	18 mL
Date Prepared:	N/A			Injection Volume:	
				Column ID:	PRIMARY
LCSD Lab Sample ID:	LCSD 280-21521/3	Analysis Batch:	280-21521	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	005F0501.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	18 mL
Date Analyzed:	07/01/2010 1438			Final Weight/Volume:	18 mL
Date Prepared:	N/A			Injection Volume:	
				Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methane	99	107	75 - 125	7	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-21521/2	Analysis Batch:	280-21521	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	004F0401.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	18 mL
Date Analyzed:	07/01/2010 1434			Final Weight/Volume:	18 mL
Date Prepared:	N/A			Injection Volume:	
				Column ID:	SECONDARY
LCSD Lab Sample ID:	LCSD 280-21521/3	Analysis Batch:	280-21521	Instrument ID:	GCV_J
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	005F0501.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	18 mL
Date Analyzed:	07/01/2010 1438			Final Weight/Volume:	18 mL
Date Prepared:	N/A			Injection Volume:	
				Column ID:	SECONDARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methane	99	107	75 - 125	7	20		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-21521/2	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-21521/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/01/2010 1434			Date Analyzed:	07/01/2010 1438
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methane	73.0	73.0	72.5	77.9

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

LCS Lab Sample ID:	LCS 280-21521/2	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-21521/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/01/2010 1434			Date Analyzed:	07/01/2010 1438
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methane	73.0	73.0	72.5	78.0

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-4759-A-1 MS	Analysis Batch: 280-21521	Instrument ID: GCV_J
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 026F2601.D
Dilution:	10		Initial Weight/Volume: 18 mL
Date Analyzed:	07/01/2010 1649		Final Weight/Volume: 18 mL
Date Prepared:	N/A		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	280-4759-A-1 MSD	Analysis Batch: 280-21521	Instrument ID: GCV_J
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 027F2701.D
Dilution:	10		Initial Weight/Volume: 18 mL
Date Analyzed:	07/01/2010 1653		Final Weight/Volume: 18 mL
Date Prepared:	N/A		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methane	91	68	52 - 145	5	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-4759-A-1 MS	Analysis Batch: 280-21521	Instrument ID: GCV_J
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 026F2601.D
Dilution:	10		Initial Weight/Volume: 18 mL
Date Analyzed:	07/01/2010 1649		Final Weight/Volume: 18 mL
Date Prepared:	N/A		Injection Volume:
			Column ID: SECONDARY

MSD Lab Sample ID:	280-4759-A-1 MSD	Analysis Batch: 280-21521	Instrument ID: GCV_J
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 027F2701.D
Dilution:	10		Initial Weight/Volume: 18 mL
Date Analyzed:	07/01/2010 1653		Final Weight/Volume: 18 mL
Date Prepared:	N/A		Injection Volume:
			Column ID: SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methane	90	67	52 - 145	5	20		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-4759-A-1 MS	Units: ug/L		MSD Lab Sample ID:	280-4759-A-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Date Analyzed:	07/01/2010 1649			Date Analyzed:	07/01/2010 1653
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Methane	2600	730	730	3220	3060

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-21521

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-4759-A-1 MS	Units: ug/L		MSD Lab Sample ID:	280-4759-A-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Date Analyzed:	07/01/2010 1649			Date Analyzed:	07/01/2010 1653
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Methane	2600	730	730	3220	3060

Method Blank - Batch: 280-21225

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 280-21225/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0927
Date Prepared: 06/30/2010 1500

Analysis Batch: 280-21428
Prep Batch: 280-21225
Units: ug/L

Instrument ID: MT_025
Lab File ID: 25A5063010.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Calcium	ND		34	200
Iron	ND		22	100
Potassium	ND		240	3000
Magnesium	ND		11	200
Manganese	ND		0.25	10
Sodium	ND		92	1000
Selenium	ND		4.9	15

Lab Control Sample - Batch: 280-21225

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 280-21225/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0929
Date Prepared: 06/30/2010 1500

Analysis Batch: 280-21428
Prep Batch: 280-21225
Units: ug/L

Instrument ID: MT_025
Lab File ID: 25A5063010.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	50000	48600	97	90 - 111	
Iron	1000	984	98	89 - 115	
Potassium	50000	50000	100	89 - 114	
Magnesium	50000	47800	96	90 - 113	
Manganese	500	477	95	90 - 110	
Sodium	50000	53300	107	90 - 115	
Selenium	2000	2030	102	85 - 112	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-21225

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-4826-1	Analysis Batch: 280-21428	Instrument ID: MT_025
Client Matrix:	Water	Prep Batch: 280-21225	Lab File ID: 25A5063010.txt
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/01/2010 0936		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1500		

MSD Lab Sample ID:	280-4826-1	Analysis Batch: 280-21428	Instrument ID: MT_025
Client Matrix:	Water	Prep Batch: 280-21225	Lab File ID: 25A5063010.txt
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/01/2010 0938		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1500		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	93	99	48 - 153	5	25		
Iron	95	99	52 - 155	4	25		
Potassium	96	101	76 - 132	5	25		
Magnesium	91	94	62 - 146	3	25		
Manganese	92	95	79 - 121	2	25		
Sodium	89	130	70 - 203	6	40	4	4
Selenium	97	101	71 - 140	4	25		

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-21225

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	280-4826-1	Units: ug/L	MSD Lab Sample ID: 280-4826-1
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	07/01/2010 0936		Date Analyzed: 07/01/2010 0938
Date Prepared:	06/30/2010 1500		Date Prepared: 06/30/2010 1500

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Calcium	12000	50000	50000	58600	61600
Iron	ND	1000	1000	948	986
Potassium	9800	50000	50000	57600	60200
Magnesium	4000	50000	50000	49500	50900
Manganese	10	500	500	472	483
Sodium	280000	50000	50000	322000 4	342000 4
Selenium	ND	2000	2000	1930	2010

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-22017

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 280-22017/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1131
Date Prepared: N/A

Analysis Batch: 280-22017
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC8
Lab File ID: 115.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.11	0.20
Chloride	ND		0.25	3.0
Fluoride	ND		0.060	0.50
Sulfate	ND		0.23	5.0

Method Reporting Limit Check - Batch: 280-22017

Method: 300.0
Preparation: N/A

Lab Sample ID: MRL 280-22017/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 0958
Date Prepared: N/A

Analysis Batch: 280-22017
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC8
Lab File ID: 112.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.200	100	50 - 150	
Chloride	1.00	0.970	97	50 - 150	J
Fluoride	0.200	0.190	95	50 - 150	J
Sulfate	1.00	0.910	91	50 - 150	J

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-22017/4	Analysis Batch:	280-22017	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/06/2010 1057			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 280-22017/5	Analysis Batch:	280-22017	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/06/2010 1114			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	98	98	90 - 110	0	10		
Chloride	98	98	90 - 110	1	10		
Fluoride	100	100	90 - 110	0	10		
Sulfate	97	96	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-22017/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-22017/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/06/2010 1057			Date Analyzed:	07/06/2010 1114
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.88	4.88
Chloride	25.0	25.0	24.6	24.5
Fluoride	5.00	5.00	5.00	5.01
Sulfate	25.0	25.0	24.1	24.0

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-4872-B-1 MS	Analysis Batch: 280-22017	Instrument ID: WC_IC8
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 124.TXT
Dilution:	1.0		Initial Weight/Volume: 1.0 mL
Date Analyzed:	07/06/2010 1402		Final Weight/Volume: 5 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	280-4872-B-1 MSD	Analysis Batch: 280-22017	Instrument ID: WC_IC8
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 125.TXT
Dilution:	1.0		Initial Weight/Volume: 1.0 mL
Date Analyzed:	07/06/2010 1419		Final Weight/Volume: 5 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	101	102	80 - 120	1	20		
Chloride	100	101	80 - 120	1	20		
Fluoride	96	98	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-4872-B-1 MS	Analysis Batch: 280-22017	Instrument ID: WC_IC8
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 144.TXT
Dilution:	5.0		Initial Weight/Volume: 1.0 mL
Date Analyzed:	07/06/2010 1956		Final Weight/Volume: 5 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	280-4872-B-1 MSD	Analysis Batch: 280-22017	Instrument ID: WC_IC8
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 145.TXT
Dilution:	5.0		Initial Weight/Volume: 1.0 mL
Date Analyzed:	07/06/2010 2013		Final Weight/Volume: 5 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	93	94	80 - 120	0	20		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-4872-B-1 MS	Units: mg/L		MSD Lab Sample ID:	280-4872-B-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/06/2010 1402			Date Analyzed:	07/06/2010 1419
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Bromide	ND		5.00	5.00	5.03	5.09
Chloride	3.2		25.0	25.0	28.2	28.5
Fluoride	0.47	J	5.00	5.00	5.29	5.35

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-22017

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-4872-B-1 MS	Units: mg/L		MSD Lab Sample ID:	280-4872-B-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	5.0			Dilution:	5.0
Date Analyzed:	07/06/2010 1956			Date Analyzed:	07/06/2010 2013
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate	61	125	125	178	178

Duplicate - Batch: 280-22017

Method: 300.0
Preparation: N/A

Lab Sample ID: 280-4872-B-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1346
Date Prepared: N/A

Analysis Batch: 280-22017
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC8
Lab File ID: 123.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	ND		ND	NC	15	
Chloride	3.2		3.17	1	15	
Fluoride	0.47	J	0.460	2	15	J

Duplicate - Batch: 280-22017

Method: 300.0
Preparation: N/A

Lab Sample ID: 280-4872-B-1 DU
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/06/2010 1939
Date Prepared: N/A

Analysis Batch: 280-22017
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC8
Lab File ID: 143.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	61	60.3	1	15	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-21671

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 280-21671/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1036
Date Prepared: N/A

Analysis Batch: 280-21671
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0702NXN.RST
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Nitrate Nitrite as N	ND		0.019	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-21671

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 280-21671/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1038
Date Prepared: N/A

Analysis Batch: 280-21671
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0702NXN.RST
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 280-21671/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1039
Date Prepared: N/A

Analysis Batch: 280-21671
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0702NXN.RST
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate Nitrite as N	105	106	90 - 110	1	10		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-21671

Method: 353.2
Preparation: N/A

LCS Lab Sample ID:	LCS 280-21671/19	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-21671/20
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/02/2010 1038			Date Analyzed:	07/02/2010 1039
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate Nitrite as N	5.00	5.00	5.25	5.31

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-21671

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	280-4891-B-1 MS	Analysis Batch:	280-21671	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXN.RST
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2010 1042			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	280-4891-B-1 MSD	Analysis Batch:	280-21671	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXN.RST
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2010 1044			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	107	106	72 - 113	0	17		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 280-21671

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	280-4891-B-1 MS	Units: mg/L	MSD Lab Sample ID:	280-4891-B-1 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	07/02/2010 1042		Date Analyzed:	07/02/2010 1044	
Date Prepared:	N/A		Date Prepared:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate Nitrite as N	2.1	4.00	4.00	6.39	6.35

Method Blank - Batch: 280-22892 **Method: SM 1030F**
Preparation: N/A

Lab Sample ID: MB 280-22892/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 0953
Date Prepared: N/A

Analysis Batch: 280-22892
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	NONE	NONE
Percent Difference	0.000			
Anion/Cation Balance	0.000			

Method Blank - Batch: 280-22892 **Method: SM 1030F**
Preparation: N/A

Lab Sample ID: MB 280-22892/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 0953
Date Prepared: N/A

Analysis Batch: 280-22892
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	NONE	NONE
Total Anions	nd			
Total Cations	nd			

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-22204

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 280-22204/35
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2222
Date Prepared: N/A

Analysis Batch: 280-22204
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_AT2
Lab File ID: 070710aa.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Alkalinity	ND		1.1	5.0
Bicarbonate Alkalinity as CaCO3	ND		1.1	5.0
Carbonate Alkalinity as CaCO3	ND		1.1	5.0
Hydroxide Alkalinity	ND		1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-22204

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID: LCS 280-22204/33
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2204
Date Prepared: N/A

Analysis Batch: 280-22204
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_AT2
Lab File ID: 070710aa.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 280-22204/34
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2214
Date Prepared: N/A

Analysis Batch: 280-22204
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_AT2
Lab File ID: 070710aa.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	102	90 - 110	0	10		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-22204

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-22204/33	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-22204/34
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	07/07/2010 2204			Date Analyzed:	07/07/2010 2214
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	205	204

Duplicate - Batch: 280-22204

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-4911-B-1 DU	Analysis Batch:	280-22204	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070710aa.TXT
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/07/2010 2240			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	350	348	0	10	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-22051

Method: SM 2510B
Preparation: N/A

Lab Sample ID: MB 280-22051/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Analysis Batch: 280-22051
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Specific Conductance	ND		2.0	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-22051

Method: SM 2510B
Preparation: N/A

LCS Lab Sample ID: LCS 280-22051/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Analysis Batch: 280-22051
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 280-22051/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Analysis Batch: 280-22051
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Specific Conductance	100	100	90 - 110	0	10		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-22051

Method: SM 2510B
Preparation: N/A

LCS Lab Sample ID: LCS 280-22051/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Units: umhos/cm

LCSD Lab Sample ID: LCSD 280-22051/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Specific Conductance	1410	1410	1410	1410

Duplicate - Batch: 280-22051

Method: SM 2510B
Preparation: N/A

Lab Sample ID: 280-4787-D-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1356
Date Prepared: N/A

Analysis Batch: 280-22051
Prep Batch: N/A
Units: umhos/cm

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	410	405	1	10	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Method Blank - Batch: 280-21379

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 280-21379/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Analysis Batch: 280-21379
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	8.00	J	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-21379

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 280-21379/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Analysis Batch: 280-21379
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 280-21379/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Analysis Batch: 280-21379
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	86 - 110	0	20		

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-21379

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 280-21379/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 280-21379/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	500	500

Duplicate - Batch: 280-21379

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 280-4824-B-3 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 0939
Date Prepared: N/A

Analysis Batch: 280-21379
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	320	320	1	20	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-20855

Method: SM 4500 H+ B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-20855/26	Analysis Batch:	280-20855	Instrument ID:	WC_pH Probe
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062610.txt
Dilution:	1.0	Units:	SU	Initial Weight/Volume:	
Date Analyzed:	06/26/2010 1135			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 280-20855/27	Analysis Batch:	280-20855	Instrument ID:	WC_pH Probe
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062610.txt
Dilution:	1.0	Units:	SU	Initial Weight/Volume:	
Date Analyzed:	06/26/2010 1135			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
pH adj. to 25 deg C	100	100	99 - 101	0	5		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-20855

Method: SM 4500 H+ B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-20855/26	Units:	SU	LCSD Lab Sample ID:	LCSD 280-20855/27
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	06/26/2010 1135			Date Analyzed:	06/26/2010 1135
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
pH adj. to 25 deg C	7.00	7.00	7.030	7.030

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Duplicate - Batch: 280-20855

Method: SM 4500 H+ B

Lab Sample ID: 280-4817-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1143
Date Prepared: N/A

Analysis Batch: 280-20855
Prep Batch: N/A
Units: SU

Instrument ID: WC_pH Probe
Lab File ID: 062610.txt
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH adj. to 25 deg C	7.19	7.210	0	5	

DATA REPORTING QUALIFIERS

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Lab Section	Qualifier	Description
Metals		
	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.
	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.
	HF	Field parameter with a holding time of 15 minutes
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:280-21521					
LCS 280-21521/2	Lab Control Sample	T	Water	RSK-175	
LCSD 280-21521/3	Lab Control Sample Duplicate	T	Water	RSK-175	
MB 280-21521/4	Method Blank	T	Water	RSK-175	
280-4759-A-1 MS	Matrix Spike	T	Water	RSK-175	
280-4759-A-1 MSD	Matrix Spike Duplicate	T	Water	RSK-175	
280-4826-1	NELSON 1	T	Water	RSK-175	
Analysis Batch:280-22048					
LCS 280-22048/2	Lab Control Sample	T	Water	8021B	
LCSD 280-22048/3	Lab Control Sample Duplicate	T	Water	8021B	
MB 280-22048/4	Method Blank	T	Water	8021B	
280-4826-1	NELSON 1	T	Water	8021B	
280-4826-2TB	TRIP BLANK	T	Water	8021B	
280-4872-G-1 MS	Matrix Spike	T	Water	8021B	
280-4872-G-1 MSD	Matrix Spike Duplicate	T	Water	8021B	

Report Basis
T = Total

Metals

Prep Batch: 280-21225					
LCS 280-21225/2-A	Lab Control Sample	T	Water	3010A	
MB 280-21225/1-A	Method Blank	T	Water	3010A	
280-4826-1	NELSON 1	T	Water	3010A	
280-4826-1MS	Matrix Spike	T	Water	3010A	
280-4826-1MSD	Matrix Spike Duplicate	T	Water	3010A	
Analysis Batch:280-21428					
LCS 280-21225/2-A	Lab Control Sample	T	Water	6010B	280-21225
MB 280-21225/1-A	Method Blank	T	Water	6010B	280-21225
280-4826-1	NELSON 1	T	Water	6010B	280-21225
280-4826-1MS	Matrix Spike	T	Water	6010B	280-21225
280-4826-1MSD	Matrix Spike Duplicate	T	Water	6010B	280-21225

Report Basis
T = Total

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-20855					
LCS 280-20855/26	Lab Control Sample	T	Water	SM 4500 H+ B	
LCSD 280-20855/27	Lab Control Sample Duplicate	T	Water	SM 4500 H+ B	
280-4817-A-1 DU	Duplicate		Water	SM 4500 H+ B	
280-4826-1	NELSON 1	T	Water	SM 4500 H+ B	
Analysis Batch:280-21379					
LCS 280-21379/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-21379/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-21379/1	Method Blank	T	Water	SM 2540C	
280-4824-B-3 DU	Duplicate	T	Water	SM 2540C	
280-4826-1	NELSON 1	T	Water	SM 2540C	
Analysis Batch:280-21671					
LCS 280-21671/19	Lab Control Sample	T	Water	353.2	
LCSD 280-21671/20	Lab Control Sample Duplicate	T	Water	353.2	
MB 280-21671/18	Method Blank	T	Water	353.2	
280-4826-1	NELSON 1	T	Water	353.2	
280-4891-B-1 MS	Matrix Spike	T	Water	353.2	
280-4891-B-1 MSD	Matrix Spike Duplicate	T	Water	353.2	
Analysis Batch:280-22017					
LCS 280-22017/4	Lab Control Sample	T	Water	300.0	
LCSD 280-22017/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-22017/6	Method Blank	T	Water	300.0	
280-4826-1	NELSON 1	T	Water	300.0	
280-4872-B-1 DU	Duplicate	T	Water	300.0	
280-4872-B-1 MS	Matrix Spike	T	Water	300.0	
280-4872-B-1 MSD	Matrix Spike Duplicate	T	Water	300.0	
Analysis Batch:280-22051					
LCS 280-22051/3	Lab Control Sample	T	Water	SM 2510B	
LCSD 280-22051/4	Lab Control Sample Duplicate	T	Water	SM 2510B	
MB 280-22051/5	Method Blank	T	Water	SM 2510B	
280-4787-D-1 DU	Duplicate	T	Water	SM 2510B	
280-4826-1	NELSON 1	T	Water	SM 2510B	
Analysis Batch:280-22204					
LCS 280-22204/33	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-22204/34	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-22204/35	Method Blank	T	Water	SM 2320B	
280-4826-1	NELSON 1	T	Water	SM 2320B	
280-4911-B-1 DU	Duplicate	T	Water	SM 2320B	

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-22892					
MB 280-22892/1	Method Blank	T	Water	SM 1030F	
280-4826-1	NELSON 1	T	Water	SM 1030F	

Report Basis

T = Total

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Laboratory Chronicle

Lab ID: 280-4826-1 **Client ID: NELSON 1**

Sample Date/Time: 06/25/2010 11:25 Received Date/Time: 06/25/2010 14:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-4826-E-1		280-22048		07/06/2010 12:46	1	TAL DEN	BER
A:8021B	280-4826-E-1		280-22048		07/06/2010 12:46	1	TAL DEN	BER
A:RSK-175	280-4826-J-1		280-21521		07/01/2010 16:06	1	TAL DEN	BER
P:3010A	280-4826-C-1-A		280-21428	280-21225	06/30/2010 15:00	1	TAL DEN	CGG
A:6010B	280-4826-C-1-A		280-21428	280-21225	07/01/2010 09:31	1	TAL DEN	JKH
A:300.0	280-4826-B-1		280-22017		07/06/2010 15:10	1	TAL DEN	EK
A:300.0	280-4826-B-1		280-22017		07/06/2010 20:29	5	TAL DEN	EK
A:353.2	280-4826-D-1		280-21671		07/02/2010 10:50	1	TAL DEN	LEJ
A:SM 1030F	280-4826-A-1		280-22892		07/14/2010 09:53	1	TAL DEN	RS
A:SM 2320B	280-4826-A-1		280-22204		07/07/2010 23:22	1	TAL DEN	MRD
A:SM 2510B	280-4826-A-1		280-22051		07/07/2010 13:56	1	TAL DEN	MRD
A:SM 2540C	280-4826-A-1		280-21379		07/01/2010 09:39	1	TAL DEN	BJD
A:SM 4500 H+ B	280-4826-A-1		280-20855		06/26/2010 11:48	1	TAL DEN	LMK

Lab ID: 280-4826-1 MS **Client ID: NELSON 1**

Sample Date/Time: 06/25/2010 11:25 Received Date/Time: 06/25/2010 14:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-4826-C-1-B MS		280-21428	280-21225	06/30/2010 15:00	1	TAL DEN	CGG
A:6010B	280-4826-C-1-B MS		280-21428	280-21225	07/01/2010 09:36	1	TAL DEN	JKH

Lab ID: 280-4826-1 MSD **Client ID: NELSON 1**

Sample Date/Time: 06/25/2010 11:25 Received Date/Time: 06/25/2010 14:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-4826-C-1-C MSD		280-21428	280-21225	06/30/2010 15:00	1	TAL DEN	CGG
A:6010B	280-4826-C-1-C MSD		280-21428	280-21225	07/01/2010 09:38	1	TAL DEN	JKH

Lab ID: 280-4826-1 SD **Client ID: NELSON 1**

Sample Date/Time: 06/25/2010 11:25 Received Date/Time: 06/25/2010 14:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-4826-C-1-A SD ^5		280-21428	280-21225	06/30/2010 15:00	5	TAL DEN	CGG
A:6010B	280-4826-C-1-A SD ^5		280-21428	280-21225	07/01/2010 09:34	5	TAL DEN	JKH

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Laboratory Chronicle

Lab ID: 280-4826-2 **Client ID: TRIP BLANK**

Sample Date/Time: 06/25/2010 00:00 Received Date/Time: 06/25/2010 14:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-4826-A-2		280-22048		07/06/2010 13:22	1	TAL DEN	BER
A:8021B	280-4826-A-2		280-22048		07/06/2010 13:22	1	TAL DEN	BER

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 280-22048/4		280-22048		07/06/2010 11:50	1	TAL DEN	BER
A:8021B	MB 280-22048/4		280-22048		07/06/2010 11:50	1	TAL DEN	BER
A:RSK-175	MB 280-21521/4		280-21521		07/01/2010 14:42	1	TAL DEN	BER
P:3010A	MB 280-21225/1-A		280-21428	280-21225	06/30/2010 15:00	1	TAL DEN	CGG
A:6010B	MB 280-21225/1-A		280-21428	280-21225	07/01/2010 09:27	1	TAL DEN	JKH
A:300.0	MB 280-22017/6		280-22017		07/06/2010 11:31	1	TAL DEN	EK
A:353.2	MB 280-21671/18		280-21671		07/02/2010 10:36	1	TAL DEN	LEJ
A:SM 1030F	MB 280-22892/1		280-22892		07/14/2010 09:53	1	TAL DEN	RS
A:SM 2320B	MB 280-22204/35		280-22204		07/07/2010 22:22	1	TAL DEN	MRD
A:SM 2510B	MB 280-22051/5		280-22051		07/07/2010 13:56	1	TAL DEN	MRD
A:SM 2540C	MB 280-21379/1		280-21379		07/01/2010 09:39	1	TAL DEN	BJD

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 280-22048/2		280-22048		07/06/2010 10:38	1	TAL DEN	BER
A:8021B	LCS 280-22048/2		280-22048		07/06/2010 10:38	1	TAL DEN	BER
A:RSK-175	LCS 280-21521/2		280-21521		07/01/2010 14:34	1	TAL DEN	BER
P:3010A	LCS 280-21225/2-A		280-21428	280-21225	06/30/2010 15:00	1	TAL DEN	CGG
A:6010B	LCS 280-21225/2-A		280-21428	280-21225	07/01/2010 09:29	1	TAL DEN	JKH
A:300.0	LCS 280-22017/4		280-22017		07/06/2010 10:57	1	TAL DEN	EK
A:353.2	LCS 280-21671/19		280-21671		07/02/2010 10:38	1	TAL DEN	LEJ
A:SM 2320B	LCS 280-22204/33		280-22204		07/07/2010 22:04	1	TAL DEN	MRD
A:SM 2510B	LCS 280-22051/3		280-22051		07/07/2010 13:56	1	TAL DEN	MRD
A:SM 2540C	LCS 280-21379/2		280-21379		07/01/2010 09:39	1	TAL DEN	BJD
A:SM 4500 H+ B	LCS 280-20855/26		280-20855		06/26/2010 11:35	1	TAL DEN	LMK

Client: Terracon Consulting Eng & Scientists Job Number: 280-4826-1

Laboratory Chronicle

Lab ID: LCSD **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	LCSD 280-22048/3		280-22048		07/06/2010 11:14	1	TAL DEN	BER
A:8021B	LCSD 280-22048/3		280-22048		07/06/2010 11:14	1	TAL DEN	BER
A:RSK-175	LCSD 280-21521/3		280-21521		07/01/2010 14:38	1	TAL DEN	BER
A:300.0	LCSD 280-22017/5		280-22017		07/06/2010 11:14	1	TAL DEN	EK
A:353.2	LCSD 280-21671/20		280-21671		07/02/2010 10:39	1	TAL DEN	LEJ
A:SM 2320B	LCSD 280-22204/34		280-22204		07/07/2010 22:14	1	TAL DEN	MRD
A:SM 2510B	LCSD 280-22051/4		280-22051		07/07/2010 13:56	1	TAL DEN	MRD
A:SM 2540C	LCSD 280-21379/3		280-21379		07/01/2010 09:39	1	TAL DEN	BJD
A:SM 4500 H+ B	LCSD 280-20855/27		280-20855		06/26/2010 11:35	1	TAL DEN	LMK

Lab ID: MRL **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
A:300.0	MRL 280-22017/3		280-22017		07/06/2010 09:58	1	TAL DEN	EK

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

Sample Date/Time: 06/28/2010 12:30 Received Date/Time: 06/28/2010 14:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-4872-G-1 MS		280-22048		07/06/2010 14:34	1	TAL DEN	BER
A:8021B	280-4872-G-1 MS		280-22048		07/06/2010 14:34	1	TAL DEN	BER
A:RSK-175	280-4759-A-1 MS		280-21521		07/01/2010 16:49	10	TAL DEN	BER
A:300.0	280-4872-B-1 MS		280-22017		07/06/2010 14:02	1	TAL DEN	EK
A:300.0	280-4872-B-1 MS		280-22017		07/06/2010 19:56	5	TAL DEN	EK
A:353.2	280-4891-B-1 MS		280-21671		07/02/2010 10:42	1	TAL DEN	LEJ

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

Sample Date/Time: 06/28/2010 12:30 Received Date/Time: 06/28/2010 14:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-4872-G-1 MSD		280-22048		07/06/2010 15:10	1	TAL DEN	BER
A:8021B	280-4872-G-1 MSD		280-22048		07/06/2010 15:10	1	TAL DEN	BER
A:RSK-175	280-4759-A-1 MSD		280-21521		07/01/2010 16:53	10	TAL DEN	BER
A:300.0	280-4872-B-1 MSD		280-22017		07/06/2010 14:19	1	TAL DEN	EK
A:300.0	280-4872-B-1 MSD		280-22017		07/06/2010 20:13	5	TAL DEN	EK
A:353.2	280-4891-B-1 MSD		280-21671		07/02/2010 10:44	1	TAL DEN	LEJ

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Laboratory Chronicle

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

Sample Date/Time: 06/28/2010 12:30 Received Date/Time: 06/28/2010 14:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-4872-B-1 DU		280-22017		07/06/2010 13:46	1	TAL DEN	EK
A:300.0	280-4872-B-1 DU		280-22017		07/06/2010 19:39	5	TAL DEN	EK
A:SM 2320B	280-4911-B-1 DU		280-22204		07/07/2010 22:40	1	TAL DEN	MRD
A:SM 2510B	280-4787-D-1 DU		280-22051		07/07/2010 13:56	1	TAL DEN	MRD
A:SM 2540C	280-4824-B-3 DU		280-21379		07/01/2010 09:39	1	TAL DEN	BJD
A:SM 4500 H+ B	280-4817-A-1 DU		280-20855		06/26/2010 11:43	1	TAL DEN	LMK

Lab References:

TAL DEN = TestAmerica Denver

Method 8021B

Volatile Organic Compounds (GC) by Method 8021B

TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_P.i\0706101.B\111F0601.D
Lab Smp Id: 280-4826-E-1 Client Smp ID: NELSON 1
Inj Date : 06-JUL-2010 12:46
Operator : BR Inst ID: GC_P.i
Smp Info : 280-4826-e-1
Misc Info : 280-4826-E-1
Comment : REV. OLMO1.1.1
Method : \\DenSvr03\Public\chem\GCV\GC_P.i\0706101.B\P1.m
Meth Date : 07-Jul-2010 11:13 reamb Quant Type: ISTD
Cal Date : 22-APR-2010 18:48 Cal File: 116F1101.D
Als bottle: 111
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Arom.A.01.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)
	1 Methyl tert-butylether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 Trifluorotoluene	8.936	8.960	(0.711)	159055	28.7176	28.7176
	4 Toluene	10.573	10.603	(0.841)	41258	2.79925	2.79925
*	5 1-Chloro-4-fluorobenzene	12.570	12.616	(1.000)	243015	30.0000	
	6 Chlorobenzene	Compound Not Detected.					
	7 Ethylbenzene	Compound Not Detected.					
	8 m+p-Xylene	Compound Not Detected.					
	9 o-Xylene	Compound Not Detected.					
	10 1,3-Dichlorobenzene	17.963	18.000	(1.429)	2667	0.19776	0.197759(a)
	11 1,4-Dichlorobenzene	Compound Not Detected.					
	12 1,2-Dichlorobenzene	Compound Not Detected.					
M	15 Total Xylene	Compound Not Detected.					

QC Flag Legend

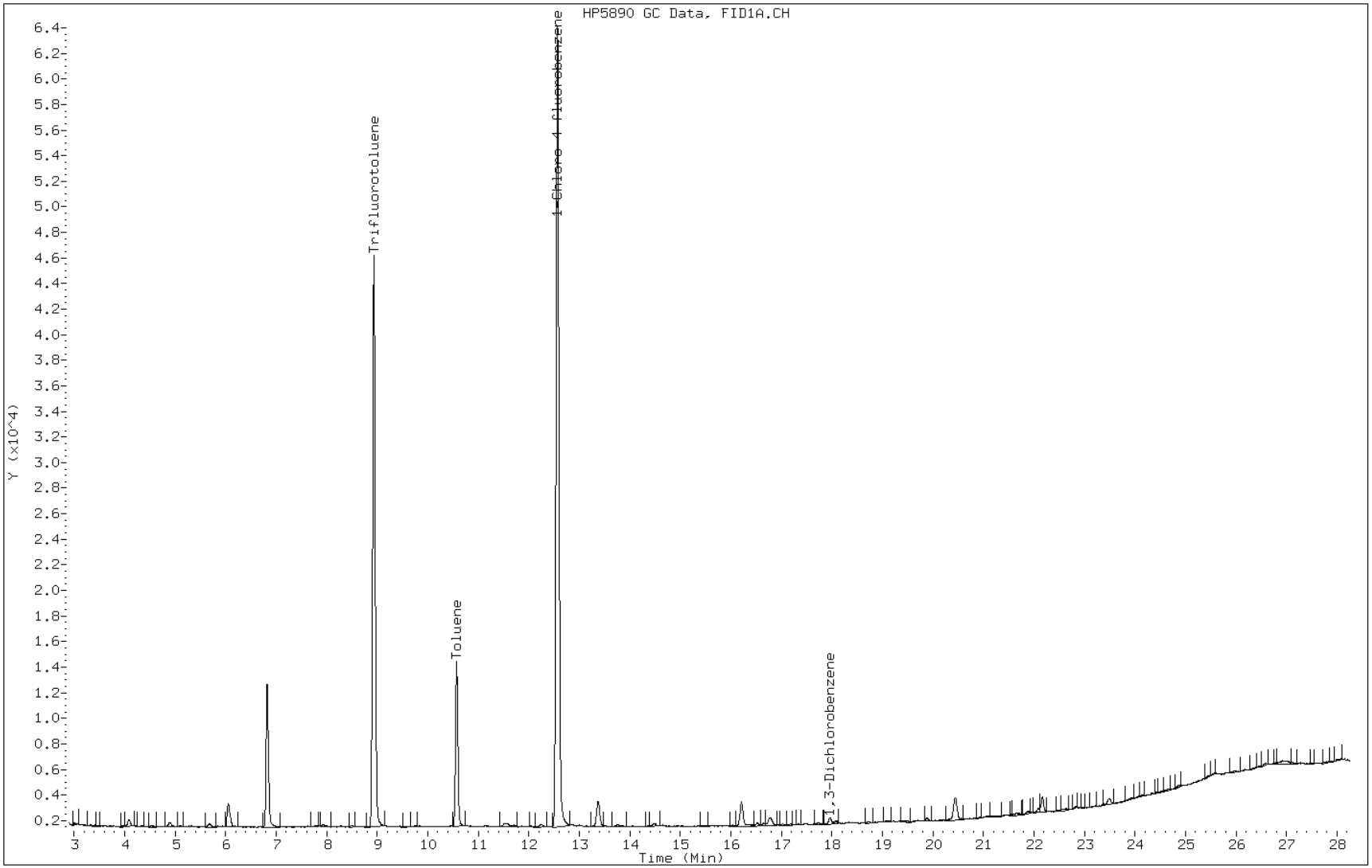
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 111F0601.D

Date: 06-JUL-2010 12:46

Client ID: NELSON 1 Instrument: GC_P.i

Sample Info: 280-4826-e-1 Operator: BR



TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_P.i\0706102.B\111F0601.D
Lab Smp Id: 280-4826-E-1 Client Smp ID: NELSON 1
Inj Date : 06-JUL-2010 12:46
Operator : BR Inst ID: GC_P.i
Smp Info : 280-4826-e-1
Misc Info : 280-4826-E-1
Comment : REV. OLMO1.1.1
Method : \\DenSvr03\Public\chem\GCV\GC_P.i\0706102.B\P2.m
Meth Date : 07-Jul-2010 11:22 reamb Quant Type: ISTD
Cal Date : 22-APR-2010 15:05 Cal File: 110F0501.D
Als bottle: 111
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Arom.A.01.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

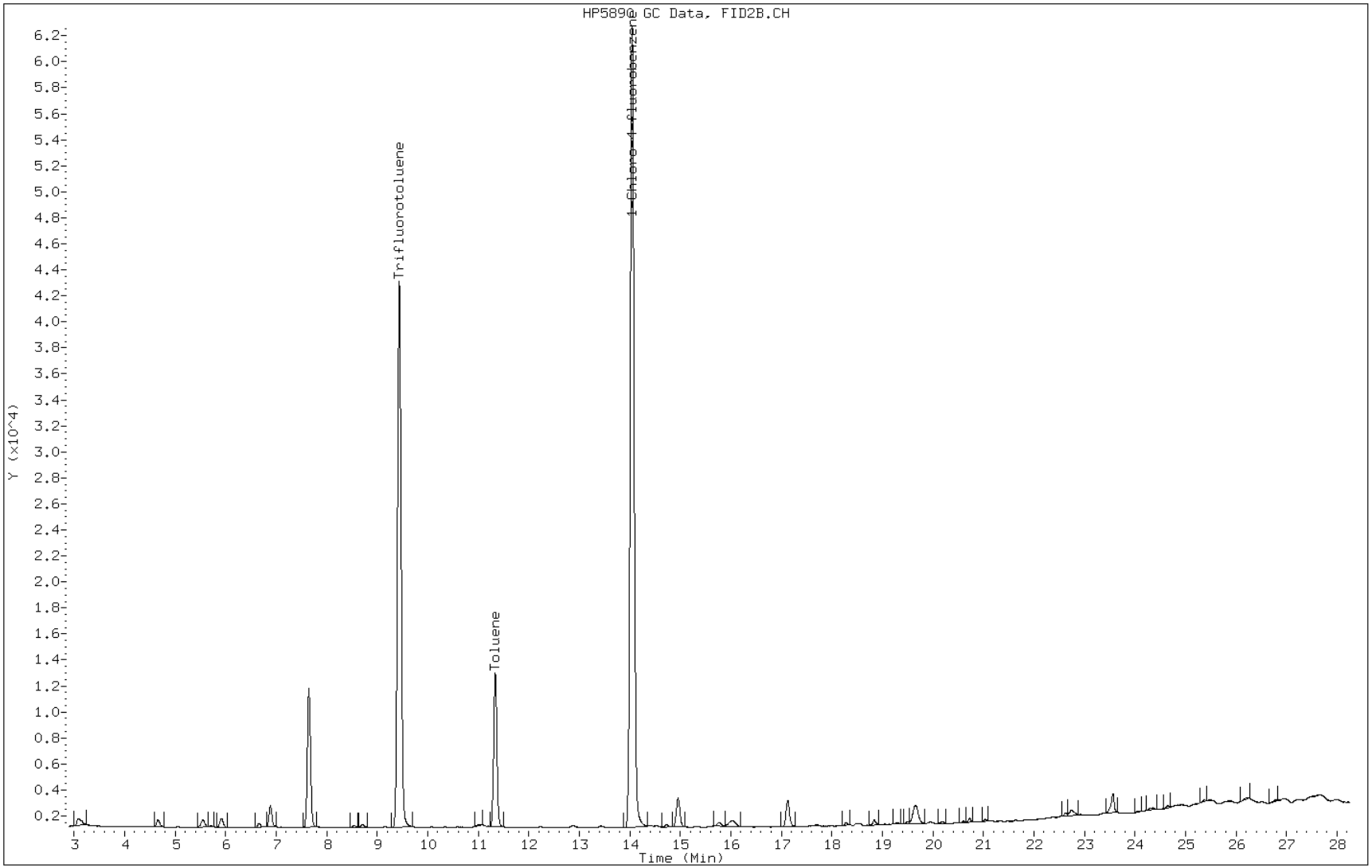
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl tert-butylether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 Trifluorotoluene	9.436	9.473	(0.672)	208161	28.4677	28.4677
	4 Toluene	11.336	11.383	(0.807)	51866	2.69848	2.69848
*	5 1-Chloro-4-fluorobenzene	14.050	14.113	(1.000)	324743	30.0000	
	6 Chlorobenzene	Compound Not Detected.					
	7 Ethylbenzene	Compound Not Detected.					
	8 m+p-Xylene	Compound Not Detected.					
	9 o-Xylene	Compound Not Detected.					
	10 1,3-Dichlorobenzene	Compound Not Detected.					
	11 1,4-Dichlorobenzene	Compound Not Detected.					
	12 1,2-Dichlorobenzene	Compound Not Detected.					
M	15 Total Xylene	Compound Not Detected.					

Data File: 111F0601.D

Date: 06-JUL-2010 12:46

Client ID: NELSON 1 Instrument: GC_P.i

Sample Info: 280-4826-e-1 Operator: BR



TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_P.i\0706101.B\112F0701.D
Lab Smp Id: 280-4826-A-2 Client Smp ID: TRIP BLANK
Inj Date : 06-JUL-2010 13:22
Operator : BR Inst ID: GC_P.i
Smp Info : 280-4826-a-2
Misc Info : 280-4826-A-2
Comment : REV. OLMO1.1.1
Method : \\DenSvr03\Public\chem\GCV\GC_P.i\0706101.B\P1.m
Meth Date : 07-Jul-2010 11:13 reamb Quant Type: ISTD
Cal Date : 22-APR-2010 18:48 Cal File: 116F1101.D
Als bottle: 112
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Arom.A.01.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final sample volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)
1	Methyl tert-butylether	Compound Not Detected.					
2	Benzene	Compound Not Detected.					
$ 3	Trifluorotoluene	8.953	8.960	(0.711)	155413	28.1008	28.1008
4	Toluene	10.590	10.603	(0.841)	2283	0.15512	0.155120(a)
* 5	1-Chloro-4-fluorobenzene	12.586	12.616	(1.000)	242663	30.0000	
6	Chlorobenzene	Compound Not Detected.					
7	Ethylbenzene	13.393	13.373	(1.064)	9659	0.13472	0.134724(a)
8	m+p-Xylene	Compound Not Detected.					
9	o-Xylene	Compound Not Detected.					
10	1,3-Dichlorobenzene	17.980	18.000	(1.428)	2601	0.19315	0.193145(a)
11	1,4-Dichlorobenzene	Compound Not Detected.					
12	1,2-Dichlorobenzene	Compound Not Detected.					
M 15	Total Xylene	Compound Not Detected.					

QC Flag Legend

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

Data File: 112F0701.D

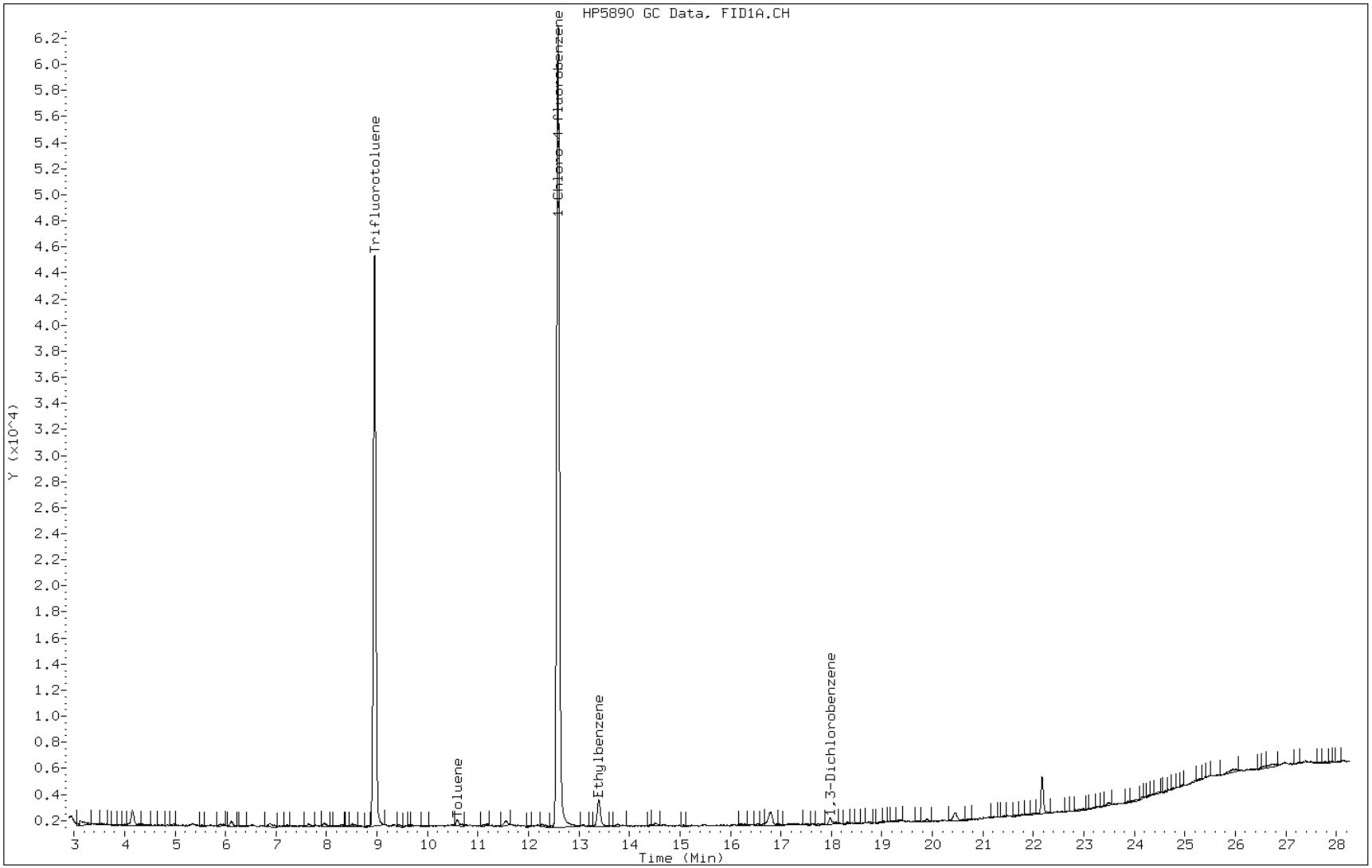
Date: 06-JUL-2010 13:22

Client ID: TRIP BLANK

Instrument: GC_P.i

Sample Info: 280-4826-a-2

Operator: BR



TestAmerica

VOLATILE REPORT SOW 3/90

Data file : \\DenSvr03\Public\chem\GCV\GC_P.i\0706102.B\112F0701.D
Lab Smp Id: 280-4826-A-2 Client Smp ID: TRIP BLANK
Inj Date : 06-JUL-2010 13:22
Operator : BR Inst ID: GC_P.i
Smp Info : 280-4826-a-2
Misc Info : 280-4826-A-2
Comment : REV. OLMO1.1.1
Method : \\DenSvr03\Public\chem\GCV\GC_P.i\0706102.B\P2.m
Meth Date : 07-Jul-2010 11:22 reamb Quant Type: ISTD
Cal Date : 22-APR-2010 15:05 Cal File: 110F0501.D
Als bottle: 112
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Arom.A.01.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	final purge volume (ml)
Vs	5.000	vlm of sample added to purge vessel (ml)
Cpnd Variable		Local Compound Variable

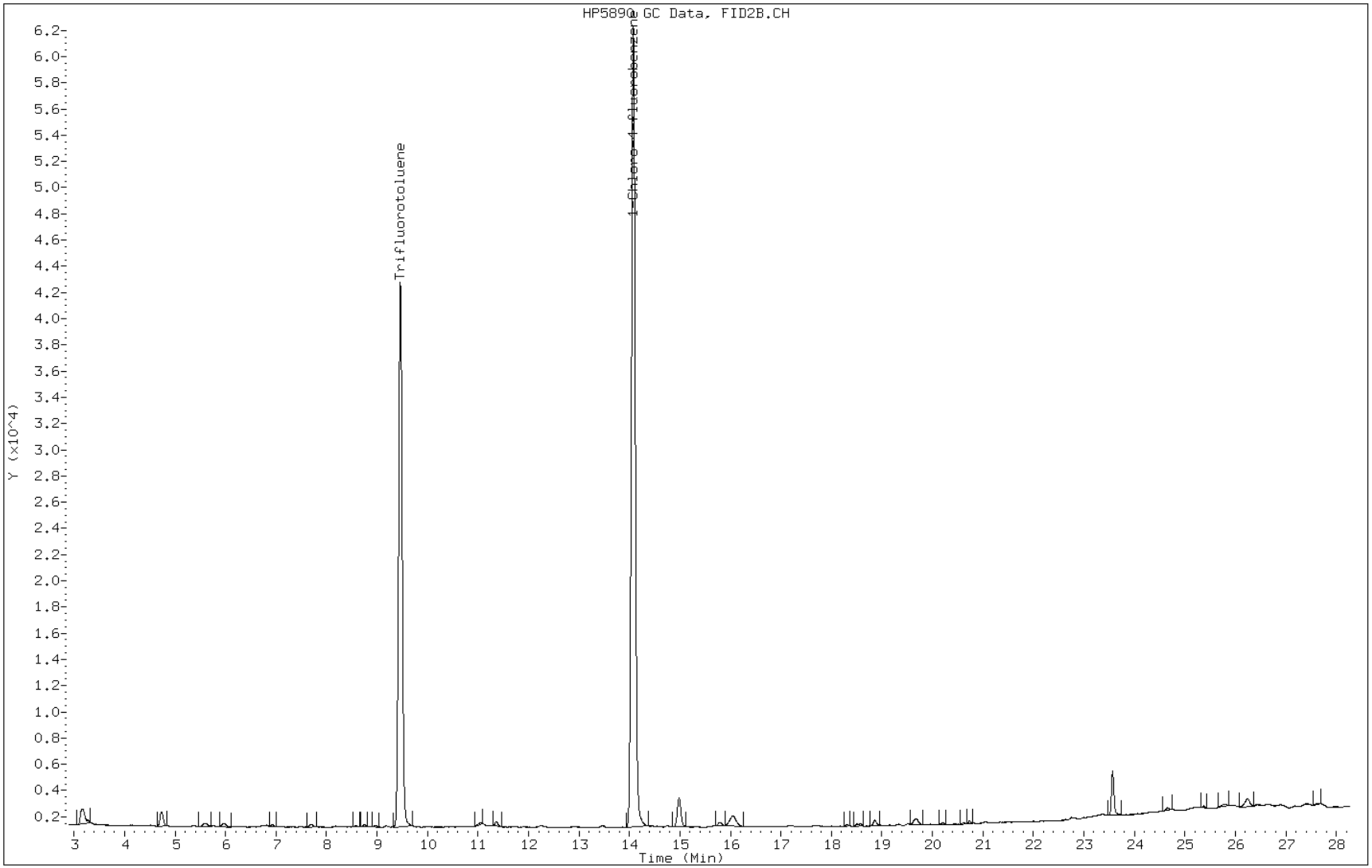
		Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)
	1	Methyl tert-butylether	Compound Not Detected.					
	2	Benzene	Compound Not Detected.					
$	3	Trifluorotoluene	9.463	9.473	(0.672)	204678	28.3403	28.3403
	4	Toluene	Compound Not Detected.					
*	5	1-Chloro-4-fluorobenzene	14.076	14.113	(1.000)	320745	30.0000	
	6	Chlorobenzene	Compound Not Detected.					
	7	Ethylbenzene	Compound Not Detected.					
	8	m+p-Xylene	Compound Not Detected.					
	9	o-Xylene	Compound Not Detected.					
	10	1,3-Dichlorobenzene	Compound Not Detected.					
	11	1,4-Dichlorobenzene	Compound Not Detected.					
	12	1,2-Dichlorobenzene	Compound Not Detected.					
M	15	Total Xylene	Compound Not Detected.					

Data File: 112F0701.D

Date: 06-JUL-2010 13:22

Client ID: TRIP BLANK Instrument: GC_P.i

Sample Info: 280-4826-a-2 Operator: BR



Method RSK-175

Dissolved Gases (GC) by Method RSK_175

TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0701101.B\022F2201.D
Lab Smp Id: 280-4826-J-1 Client Smp ID: NELSON 1
Inj Date : 01-JUL-2010 16:06
Operator : BR Inst ID: GC_J.i
Smp Info : 280-4826-j-1
Misc Info : 280-4826-J-1
Comment : SOP: DV-GC-0025
Method : \\DenSvr03\Public\chem\GCV\GC_J.i\0701101.B\RSK-1_7PT.m
Meth Date : 01-Jul-2010 16:07 mooret Quant Type: ESTD
Cal Date : 21-JUN-2010 13:16 Cal File: 008F0801.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

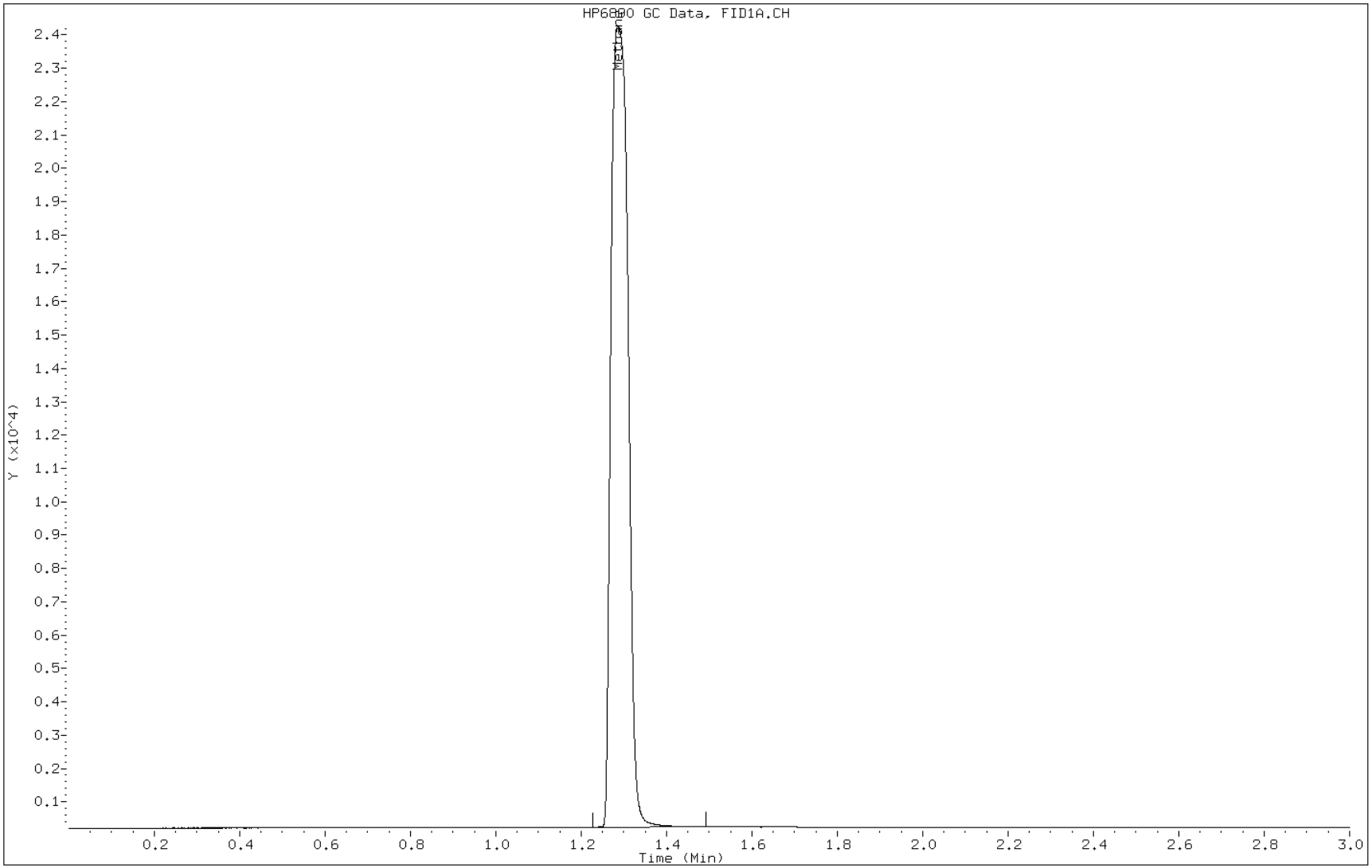
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.285	1.281	0.004	67145	47.2809	47.28
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

Data File: 022F2201.D

Date: 01-JUL-2010 16:06

Client ID: NELSON 1 Instrument: GC_J.i

Sample Info: 280-4826-j-1 Operator: BR



TestAmerica

RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0701102.B\022F2201.D
Lab Smp Id: 280-4826-J-1 Client Smp ID: NELSON 1
Inj Date : 01-JUL-2010 16:06
Operator : BR Inst ID: GC_J.i
Smp Info : 280-4826-j-1
Misc Info : 280-4826-J-1
Comment : SOP: DV-GC-0025
Method : \\DenSvr03\Public\chem\GCV\GC_J.i\0701102.B\RSK-2_7PT.m
Meth Date : 01-Jul-2010 16:09 mooret Quant Type: ESTD
Cal Date : 21-JUN-2010 13:16 Cal File: 008F0801.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 4.14
Processing Host: DENPC064

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

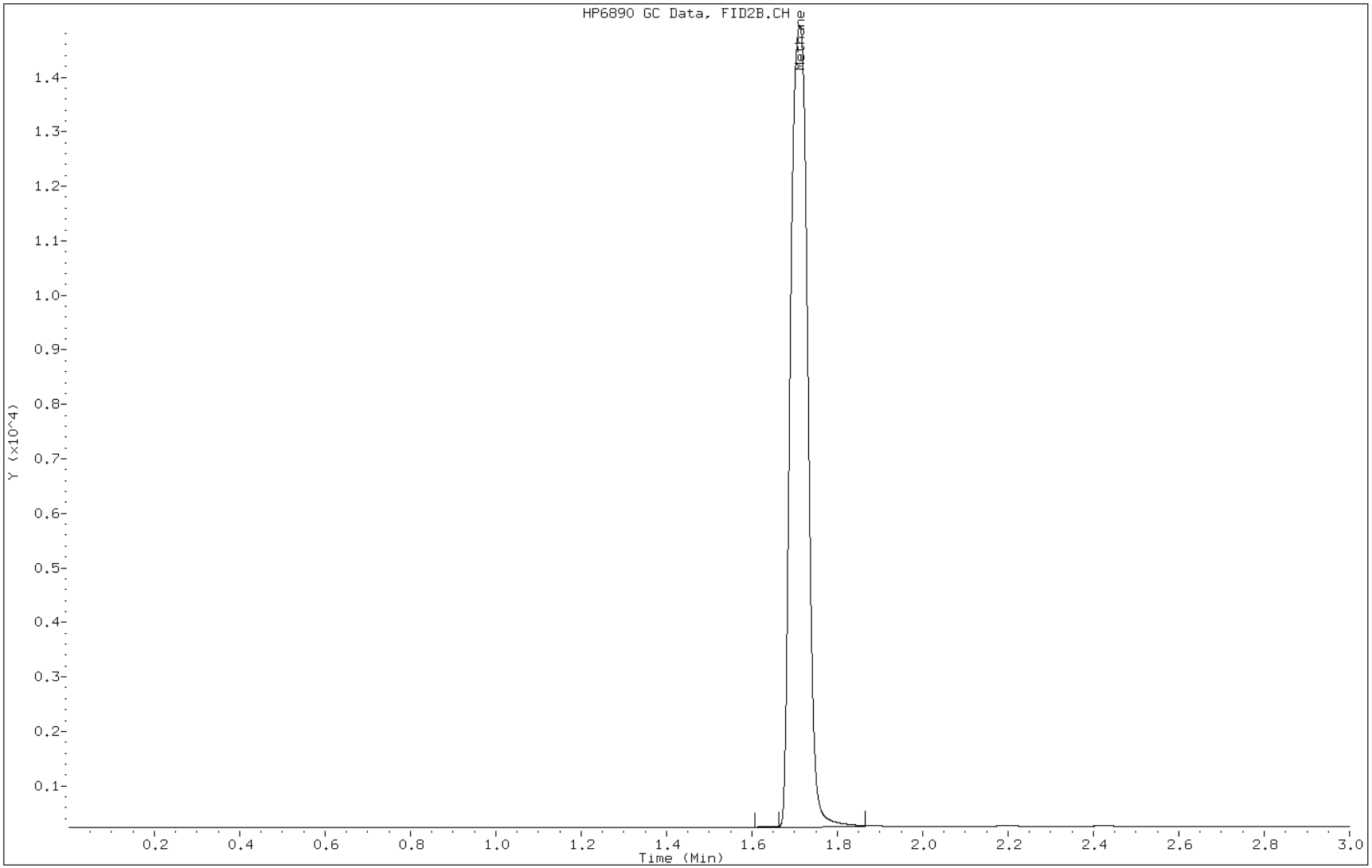
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.711	1.711	0.000	40960	47.4641	47.46
2 Ethene	Compound Not Detected.					
3 AcetyleneEthane	Compound Not Detected.					

Data File: 022F2201.D

Date: 01-JUL-2010 16:06

Client ID: NELSON 1 Instrument: GC_J.i

Sample Info: 280-4826-j-1 Operator: BR



Shipping and Receiving Documents

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 5.3°C IR1 NB 6/25/10

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
Terracon	John DeNapart		131384
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
10625 W. I-70 Frnt. Rd			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Wheat Rd, e / CO / 80033	JARED G.	Lori P.	
Project Name and Location (State)	**Carrier/Waybill Number**		
Nelson Well, Peetz CO			
Contract/Purchase Order/Quote No.			
Ter# 25087038 Com# 20011329			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAcl/NaOH	Analysis: Nitrate	Nitrite	BTEX 8021	Anions, Alk.	pH, cod	TDS	Methane	Special Instructions/ Conditions of Receipt
Nelson 1	6/25	1125		X			X	X	X	X			X	X	X	X	X	X	X	Anions/Cation balance summary report.

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jared C. Smith	6/25	1407	1. Received By: Ann Bridell	6/25/10	1407
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

07/15/2010

Login Sample Receipt Check List

Client: Terracon Consulting Eng & Scientists

Job Number: 280-4826-1

Login Number: 4826

List Source: TestAmerica Denver

Creator: Green, Angel L

List Number: 1

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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	
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	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	