

ANALYTICAL REPORT

Job Number: 280-30333-1

Job Description: Hunt Residence Silt, CO

For:
Colorado Oil&Gas Conservation Commision
707 Wapiti Court
Suite 204
Rifle, CO 81650
Attention: Linda Spry O'Rourke



Approved for release,
Joseph J Egry
Project Manager I
7/13/2012 10:14 AM

Joseph J Egry
Project Manager I
joseph.egry@testamericainc.com
07/13/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAP, 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.

Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	7
Sample Summary	20
Executive Summary	21
Method Summary	22
Method / Analyst Summary	23
Sample Datasheets	24
Surrogate Summary	34
QC Data Summary	38
Data Qualifiers	82
QC Association Summary	84
Lab Chronicle	90
Certification Summary	95
Organic Sample Data	96
GC/MS VOA	96
Method 8260B	96
Method 8260B Sample Data	97
GC/MS Semi VOA	105
Method 8270C	105
Method 8270C Sample Data	106
GC VOA	113
Method 8015B - GRO	113
Method 8015B - GRO Sample Data	114
Method RSK-175	117

Table of Contents

Method RSK-175 Sample Data	118
GC Semi VOA	123
Method 8015B - DRO	123
Method 8015B - DRO Sample Data	124
Subcontracted Data	130
Shipping and Receiving Documents	131
Client Chain of Custody	132
Sample Receipt Checklist	135

CASE NARRATIVE

Client: Colorado Oil & Gas Conservation Commission

Project: Hunt Residence Silt, CO

Report Number: 280-30333-1

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 06/22/2012; the samples arrived in good condition, properly preserved, and on ice. The temperature of the coolers at receipt was 4.7°C.

The results for the RSK-175 analysis, SW846 8015B, are included in this report and were performed by TestAmerica Houston: 6310 Rothway Street; Houston, TX 77040: Phone: 713.690.4444.

The sample collection time was not listed on the Chain of Custody. The sample was logged per the time listed on the container labels. The client was notified 6/22/2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample HUNT CISTERN (280-30333-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/30/2012.

Methylene Chloride was detected in method blank MB 280-126426/6 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 volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample HUNT CISTERN (280-30333-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/22/2012 and analyzed on 06/29/2012.

2,4,6-Tribromophenol failed the surrogate recovery criteria high for LCS 280-125241/2-A. All spike compounds were within control limits in both this LCS and the LCSD, therefore the data will be reported.

Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 125241 8270/3520. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

GAS RANGE ORGANICS

Sample HUNT CISTERN (280-30333-1) was analyzed for gas range organics in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 06/22/2012.

a,a,a-Trifluorotoluene failed the surrogate recovery criteria high for 280-30303-U-3 MS and 280-30303-U-3 MSD. Evidence of matrix interference is present due to the shapes of the a,a,a-Trifluorotoluene peak, which indicate that some target analyte co-eluted with a,a,a-Trifluorotoluene; therefore, re-analysis was not performed.

No other difficulties were encountered during the GRO analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED GASES

Sample HUNT CISTERN (280-30333-1) was analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the dissolved gases analysis.

All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS

Sample HUNT CISTERN (280-30333-1) was analyzed for Diesel Range Organics in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 06/22/2012 and analyzed on 06/27/2012.

It is the laboratory's standard procedure to aliquot aqueous samples gravimetrically assuming a density of 1.0g/mL. The density of the following sample was greater than 1.0g/mL: HUNT CISTERN (280-30333-1). The weight of the sample aliquot was divided by the density of the sample to calculate the volume of the sample extracted.

No difficulties were encountered during the DRO analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample HUNT CISTERN (280-30333-1) was analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 06/26/2012.

Sodium failed the recovery criteria low for the MS and MSD of sample HUNT CISTERN (280-30333-1) in batch 280-125764. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICPMS)

Sample HUNT CISTERN (280-30333-1) was analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 06/26/2012 and analyzed on 06/27/2012.

Molybdenum and Silver were detected in method blank MB 280-125420/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Cobalt and Copper failed the recovery criteria low for the MS and MSD of sample 280-30378-1 in batch 280-125775. The associated laboratory control sample (LCS) recoveries met acceptance criteria.

No other difficulties were encountered during the dissolved metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Sample HUNT CISTERN (280-30333-1) was analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared and analyzed on 06/25/2012.

Mercury was detected in method blank MB 280-125231/1-B 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 dissolved mercury analysis.

All other quality control parameters were within the acceptance limits.

SODIUM ABSORPTION RATIO

Sample HUNT CISTERN (280-30333-1) was analyzed for Sodium Absorption Ratio in accordance with USDA Handbook 60 - 20B. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the SAR analysis.

All quality control parameters were within the acceptance limits.

ALKALINITY

Sample HUNT CISTERN (280-30333-1) was analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on

06/23/2012.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

SPECIFIC CONDUCTIVITY

Sample HUNT CISTERN (280-30333-1) was analyzed for specific conductivity in accordance with SM20 2510B. The samples were analyzed on 06/28/2012.

No difficulties were encountered during the conductivity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Sample HUNT CISTERN (280-30333-1) was analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Sample HUNT CISTERN (280-30333-1) was analyzed for anions (28 days) in accordance with EPA Method 300.0. The samples were analyzed on 06/22/2012.

Fluoride failed the recovery criteria low for the MS and MSD of sample 280-30331-4 in batch 280-125495. The associated laboratory control sample (LCS/LCSD) recovery met acceptance criteria. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Samples HUNT CISTERN (280-30333-1) [10X], HUNT CISTERN (280-30333-1) [100X], and HUNT CISTERN (280-30333-1) [5X] required dilution prior to analysis due to matrix. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analysis.

All other quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Sample HUNT CISTERN (280-30333-1) was analyzed for anions (48 hours) in accordance with EPA Method 300.0. The samples were analyzed on 06/22/2012.

Sample HUNT CISTERN (280-30333-1) [5X] required dilution prior to analysis due to matrix. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample HUNT CISTERN (280-30333-1) was analyzed for corrosivity (pH) in accordance with SM20 4500 H+ B. The samples were analyzed on 06/23/2012.

No difficulties were encountered during the pH analysis.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Sample HUNT CISTERN (280-30333-1) was analyzed for total organic carbon in accordance with SM20 5310B. The samples were analyzed on 06/28/2012.

Total Organic Carbon - Average was detected in method blank MB 280-126107/25 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 TOC analysis.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1
SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 112259
Lab Sample ID: IC 280-112259/3 Client Sample ID:
Date Analyzed: 03/14/12 09:46 Lab File ID: 116F0301.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:26

Lab Sample ID: IC 280-112259/4 Client Sample ID:
Date Analyzed: 03/14/12 10:19 Lab File ID: 202F0401.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:27

Lab Sample ID: ICRT 280-112259/5 Client Sample ID:
Date Analyzed: 03/14/12 12:03 Lab File ID: 203F0501.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:24
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:24

Lab Sample ID: IC 280-112259/6 Client Sample ID:
Date Analyzed: 03/14/12 12:34 Lab File ID: 204F0601.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.87	Baseline Event	mooret	03/19/12 11:27
1-Chloro-4-fluorobenzene	11.29	Baseline Event	mooret	03/19/12 11:27

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1
 SDG No.: _____

Instrument ID: GCV_B Analysis Batch Number: 112259
 Lab Sample ID: IC 280-112259/7 Client Sample ID: _____
 Date Analyzed: 03/14/12 13:17 Lab File ID: 205F0701.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.89	Baseline Event	mooret	03/19/12 11:28
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:28

Lab Sample ID: IC 280-112259/8 Client Sample ID: _____
 Date Analyzed: 03/14/12 13:49 Lab File ID: 206F0801.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:28
1-Chloro-4-fluorobenzene	11.30	Baseline Event	mooret	03/19/12 11:28

Lab Sample ID: ICV 280-112259/9 Client Sample ID: _____
 Date Analyzed: 03/14/12 14:26 Lab File ID: 207F0901.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	mooret	03/19/12 11:31
C5-Cl2	9.62	Baseline Event	mooret	03/19/12 11:31
C6-Cl2	10.07	Baseline Event	mooret	03/19/12 11:31
Gasoline	10.07	Baseline Event	mooret	03/19/12 11:31
Chlorobenzene	11.51	Baseline Event	mooret	03/19/12 11:31

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-30333-1

SDG No.:

Instrument ID: GCV_B Analysis Batch Number: 125437

Lab Sample ID: CCVRT 280-125437/2 Client Sample ID:

Date Analyzed: 06/22/12 11:12 Lab File ID: 107F0201.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.85	Split Peak	byla	06/22/12 12:05
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/22/12 00:00
Chlorobenzene	11.47	Baseline Event	byla	06/22/12 12:05

Lab Sample ID: LCS 280-125437/3 Client Sample ID:

Date Analyzed: 06/22/12 12:47 Lab File ID: 108F0301.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/22/12 00:00

Lab Sample ID: LCSD 280-125437/4 Client Sample ID:

Date Analyzed: 06/22/12 13:20 Lab File ID: 109F0401.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/22/12 00:00

Lab Sample ID: 280-30303-U-3 MS Client Sample ID:

Date Analyzed: 06/22/12 16:54 Lab File ID: 113F0801.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	byla	06/23/12 12:40
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/23/12 00:00

8015B

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1
 SDG No.: _____

Instrument ID: GCV_B Analysis Batch Number: 125437
 Lab Sample ID: 280-30303-U-3 MSD Client Sample ID: _____
 Date Analyzed: 06/22/12 17:28 Lab File ID: 114F0901.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.88	Baseline Event	byla	06/23/12 12:41
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/23/12 00:00

Lab Sample ID: CCV 280-125437/13 Client Sample ID: _____
 Date Analyzed: 06/22/12 19:46 Lab File ID: 202F1301.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.90	Split Peak	byla	06/23/12 12:37
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/23/12 00:00
Chlorobenzene	11.51	Baseline Event	byla	06/23/12 12:37

Lab Sample ID: CCV 280-125437/19 Client Sample ID: _____
 Date Analyzed: 06/23/12 00:12 Lab File ID: 210F2101.D GC Column: RTX 502.2 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
a,a,a-Trifluorotoluene	7.86	Split Peak	byla	06/23/12 12:38
Gasoline Range Organics (GRO) -C6-C10	9.13	Baseline Event	byla	06/23/12 00:00
Chlorobenzene	11.48	Baseline Event	byla	06/23/12 12:38

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-30333-1

SDG No.:

Instrument ID: GCS_U2

Analysis Batch Number: 117292

Lab Sample ID: IC 280-117292/2

Client Sample ID:

Date Analyzed: 04/26/12 15:10

Lab File ID: 004F0401.D

GC Column: RTX-1 (30.32)

ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.49	Baseline Event	birdsellm	04/27/12 00:00
C10-C24	6.82	Baseline Event	birdsellm	04/27/12 10:14
C10-C25	6.98	Baseline Event	birdsellm	04/27/12 10:14
C8-C34	7.00	Baseline Event	birdsellm	04/27/12 00:00
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm	04/27/12 10:14
C10-C32	7.94	Baseline Event	birdsellm	04/27/12 10:14
C10-C36	8.40	Baseline Event	birdsellm	04/27/12 10:14

Lab Sample ID: IC 280-117292/3

Client Sample ID:

Date Analyzed: 04/26/12 15:34

Lab File ID: 005F0501.D

GC Column: RTX-1 (30.32)

ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C22	6.49	Baseline Event	birdsellm	04/27/12 10:15
C10-C24	6.82	Baseline Event	birdsellm	04/27/12 10:15
C10-C25	6.98	Baseline Event	birdsellm	04/27/12 10:15
C8-C34	7.00	Baseline Event	birdsellm	04/27/12 10:15
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm	04/27/12 10:15
C10-C32	7.94	Baseline Event	birdsellm	04/27/12 10:15
o-Terphenyl	8.22	Baseline Event	birdsellm	04/27/12 10:15
C10-C36	8.40	Baseline Event	birdsellm	04/27/12 10:15
n-Octacosane	11.38	Baseline Event	birdsellm	04/27/12 10:15

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.:

Instrument ID: GCS_U2 Analysis Batch Number: 117292

Lab Sample ID: IC 280-117292/4 Client Sample ID:

Date Analyzed: 04/26/12 15:58 Lab File ID: 006F0601.D GC Column: RTX-1 (30.32) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C22	6.49	Baseline Event	birdsellm 04/27/12 10:15
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:15
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:15
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:15
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:15
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:15
o-Terphenyl	8.21	Baseline Event	birdsellm 04/27/12 10:15
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:15
n-Octacosane	11.38	Baseline Event	birdsellm 04/27/12 10:15

Lab Sample ID: ICRT 280-117292/5 Client Sample ID:

Date Analyzed: 04/26/12 16:23 Lab File ID: 007F0701.D GC Column: RTX-1 (30.32) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C22	6.49	Baseline Event	birdsellm 04/27/12 10:13
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:13
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:13
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:13
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:13
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:13
o-Terphenyl	8.21	Baseline Event	birdsellm 04/27/12 10:13
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:13
n-Octacosane	11.38	Baseline Event	birdsellm 04/27/12 10:13

8015B

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Instrument ID: GCS_U2 Analysis Batch Number: 117292

Lab Sample ID: IC 280-117292/6 Client Sample ID: _____

Date Analyzed: 04/26/12 16:47 Lab File ID: 008F0801.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C22	6.49	Baseline Event	birdsellm 04/27/12 10:16
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:16
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:16
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:16
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:16
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:16
o-Terphenyl	8.20	Baseline Event	birdsellm 04/27/12 10:16
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:16
n-Octacosane	11.38	Baseline Event	birdsellm 04/27/12 10:15

Lab Sample ID: IC 280-117292/7 Client Sample ID: _____

Date Analyzed: 04/26/12 17:12 Lab File ID: 009F0901.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C22	6.49	Baseline Event	birdsellm 04/27/12 10:16
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:16
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:16
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:16
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:16
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:16
o-Terphenyl	8.20	Baseline Event	birdsellm 04/27/12 10:16
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:16

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1
 SDG No.:
 Instrument ID: GCS_U2 Analysis Batch Number: 117292
 Lab Sample ID: IC 280-117292/8 Client Sample ID:
 Date Analyzed: 04/26/12 17:36 Lab File ID: 010F1001.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C22	6.49	Baseline Event	birdsellm 04/27/12 10:16
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:16
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:16
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:16
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:16
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:16
o-Terphenyl	8.20	Baseline Event	birdsellm 04/27/12 10:16
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:16

Lab Sample ID: ICV 280-117292/9 Client Sample ID:

Date Analyzed: 04/26/12 18:01 Lab File ID: 011F1101.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
C10-C24	6.82	Baseline Event	birdsellm 04/27/12 10:19
C10-C25	6.98	Baseline Event	birdsellm 04/27/12 10:19
C8-C34	7.00	Baseline Event	birdsellm 04/27/12 10:19
Diesel Range Organics [C10-C28]	7.41	Baseline Event	birdsellm 04/27/12 10:19
C10-C32	7.94	Baseline Event	birdsellm 04/27/12 10:19
o-Terphenyl	8.20	Baseline Event	birdsellm 04/27/12 10:18
C10-C36	8.40	Baseline Event	birdsellm 04/27/12 10:19
n-Octacosane	11.37	Baseline Event	birdsellm 04/27/12 10:19

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver

Job No.: 280-30333-1

SDG No.:

Instrument ID: GCS_U2

Analysis Batch Number: 125910

Lab Sample ID: CCVRT 280-125910/2

Client Sample ID:

Date Analyzed: 06/27/12 14:36

Lab File ID: 004F0401.D

GC Column: RTX-1 (30.32)

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Diesel Range Organics [C10-C28]	7.38	Baseline Event	pavlakoa	06/27/12 16:12
o-Terphenyl	8.18	Baseline Event	pavlakoa	06/27/12 16:12
C10-C36	8.37	Baseline Event	pavlakoa	06/27/12 16:12
n-Octacosane	11.35	Baseline Event	pavlakoa	06/27/12 16:12

Lab Sample ID: LCS 280-125259/2-A Client Sample ID:

Date Analyzed: 06/27/12 15:49

Lab File ID: 007F0701.D

GC Column: RTX-1 (30.32)

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	8.18	Baseline Event	pavlakoa	06/28/12 08:30
C10-C36	8.37	Baseline Event	pavlakoa	06/28/12 08:30
n-Octacosane	11.35	Baseline Event	pavlakoa	06/28/12 08:30

Lab Sample ID: LCSD 280-125259/3-A Client Sample ID:

Date Analyzed: 06/27/12 16:13

Lab File ID: 008F0801.D

GC Column: RTX-1 (30.32)

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	8.18	Baseline Event	pavlakoa	06/28/12 08:31
C10-C36	8.37	Baseline Event	pavlakoa	06/28/12 08:31
n-Octacosane	11.35	Baseline Event	pavlakoa	06/28/12 08:31

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1
 SDG No.: _____

Instrument ID: GCS_U2 Analysis Batch Number: 125910
 Lab Sample ID: 280-30303-D-3-A MS Client Sample ID: _____
 Date Analyzed: 06/27/12 17:27 Lab File ID: 011F1101.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	8.17	Baseline Event	pavlakoa	06/28/12 08:32
C10-C36	8.37	Baseline Event	pavlakoa	06/28/12 08:32
n-Octacosane	11.35	Baseline Event	pavlakoa	06/28/12 08:32

Lab Sample ID: 280-30303-F-3-A MSD Client Sample ID: _____
 Date Analyzed: 06/27/12 17:51 Lab File ID: 012F1201.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	8.18	Baseline Event	pavlakoa	06/28/12 08:33
C10-C36	8.37	Baseline Event	pavlakoa	06/28/12 08:33
n-Octacosane	11.35	Baseline Event	pavlakoa	06/28/12 08:33

Lab Sample ID: 280-30333-1 Client Sample ID: HUNT CISTERN
 Date Analyzed: 06/27/12 18:40 Lab File ID: 014F1401.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	8.17	Baseline Event	pavlakoa	06/28/12 08:34
C10-C36	8.37	Baseline Event	pavlakoa	06/28/12 08:35
n-Octacosane	11.34	Baseline Event	pavlakoa	06/28/12 08:35

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Instrument ID: GCS_U2 Analysis Batch Number: 125910

Lab Sample ID: CCV 280-125910/18 Client Sample ID: _____

Date Analyzed: 06/27/12 21:31 Lab File ID: 021F2101.D GC Column: RTX-1 (30.32) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST DATE
Diesel Range Organics [C10-C28]	7.38	Baseline Event	pavlakoa 06/28/12 08:37
o-Terphenyl	8.18	Baseline Event	pavlakoa 06/28/12 08:37
C10-C36	8.37	Baseline Event	pavlakoa 06/28/12 08:37
n-Octacosane	11.35	Baseline Event	pavlakoa 06/28/12 08:37

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 280-30333-1

SDG No.: _____

Instrument ID: FID14 Analysis Batch Number: 83033

Lab Sample ID: CCVRT 600-83033/1 Client Sample ID: _____

Date Analyzed: 07/02/12 14:22 Lab File ID: rsk070212_001.d GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.92	Peak Integrated Incorrectly	lamj	07/02/12 14:37
Ethane	1.10	Peak Integrated Incorrectly	lamj	07/02/12 14:37

Lab Sample ID: LCS 600-83033/3 Client Sample ID: _____

Date Analyzed: 07/02/12 14:52 Lab File ID: rsk070212_003.d GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.90	Peak Integrated Incorrectly	lamj	07/02/12 15:03
Ethane	1.08	Peak Integrated Incorrectly	lamj	

Lab Sample ID: 280-30333-1 Client Sample ID: HUNT CISTERN

Date Analyzed: 07/02/12 16:13 Lab File ID: rsk070212_008.d GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.90	Peak Integrated Incorrectly	lamj	07/03/12 15:57
Ethane	1.13	Peak Integrated Incorrectly	lamj	

Lab Sample ID: CCV 600-83033/12 Client Sample ID: _____

Date Analyzed: 07/02/12 17:16 Lab File ID: rsk070212_012.d GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.92	Peak Integrated Incorrectly	lamj	07/02/12 17:26
Ethane	1.10	Peak Integrated Incorrectly	lamj	07/02/12 17:26

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston

Job No.: 280-30333-1

SDG No.:

Instrument ID: FID14

Analysis Batch Number: 83033

Lab Sample ID: 280-30378-P-1 MS

Client Sample ID:

Date Analyzed: 07/02/12 17:29

Lab File ID: rsk070212_013.d

GC Column: RTX-5

ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.92	Peak Integrated Incorrectly	lamj	07/02/12 17:43
Ethane	1.10	Peak Integrated Incorrectly	lamj	07/02/12 17:43

Lab Sample ID: 280-30378-P-1 MSD

Client Sample ID:

Date Analyzed: 07/02/12 17:46

Lab File ID: rsk070212_014.d

GC Column: RTX-5

ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.92	Peak Integrated Incorrectly	lamj	07/02/12 17:55
Ethane	1.10	Peak Integrated Incorrectly	lamj	07/02/12 17:55

Lab Sample ID: CCV 600-83033/15

Client Sample ID:

Date Analyzed: 07/02/12 18:10

Lab File ID: rsk070212_015.d

GC Column: RTX-5

ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methane	0.92	Peak Integrated Incorrectly	lamj	07/02/12 18:20
Ethane	1.08	Peak Integrated Incorrectly	lamj	

SAMPLE SUMMARY

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30333-1	HUNT CISTERN	Water	06/21/2012 1115	06/22/2012 0930

EXECUTIVE SUMMARY - Detections

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30333-1 HUNT CISTERN						
Methylene Chloride		0.49	J B	2.0	ug/L	8260B
Methane		11		1.0	ug/L	RSK-175
C10-C36		0.066	J	0.47	mg/L	8015B
Sodium Adsorption Ratio		20		0.40	No Unit	20B
Bromide		2.9		1.0	mg/L	300.0
Nitrate as N		1.3	J	2.5	mg/L	300.0
Chloride		440		30	mg/L	300.0
Fluoride		1.9	J	2.5	mg/L	300.0
Sulfate		2700		500	mg/L	300.0
Total Alkalinity		640		5.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		640		5.0	mg/L	SM 2320B
Specific Conductance		6800		2.0	umhos/cm	SM 2510B
Total Dissolved Solids		4900		100	mg/L	SM 2540C
pH		7.47	HF	0.100	SU	SM 4500 H+ B
Total Organic Carbon - Average		20	B	1.0	mg/L	SM 5310B
<i>Dissolved</i>						
Boron		480		100	ug/L	200.7 Rev 4.4
Calcium		110000		200	ug/L	200.7 Rev 4.4
Lithium		100		10	ug/L	200.7 Rev 4.4
Magnesium		100000		200	ug/L	200.7 Rev 4.4
Nickel		3.8	J	40	ug/L	200.7 Rev 4.4
Potassium		5100		3000	ug/L	200.7 Rev 4.4
Silicon		6200		500	ug/L	200.7 Rev 4.4
Sodium		1200000		5000	ug/L	200.7 Rev 4.4
Strontium		3500		10	ug/L	200.7 Rev 4.4
Vanadium		1.6	J	10	ug/L	200.7 Rev 4.4
Zinc		8.5	J	20	ug/L	200.7 Rev 4.4
Antimony		0.24	J	2.0	ug/L	200.8
Arsenic		2.0	J	5.0	ug/L	200.8
Barium		21		1.0	ug/L	200.8
Cobalt		0.50	J	1.0	ug/L	200.8
Copper		1.9	J	2.0	ug/L	200.8
Manganese		920		2.0	ug/L	200.8
Molybdenum		24	B	2.0	ug/L	200.8
Selenium		71		5.0	ug/L	200.8
Silver		0.045	J B	1.0	ug/L	200.8
Uranium		53		1.0	ug/L	200.8
Mercury		0.031	J B	0.20	ug/L	245.1

METHOD SUMMARY

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL DEN		SW846 3520C
Gasoline Range Organics - (GC)	TAL DEN	SW846 8015B	
Purge and Trap	TAL DEN		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL DEN	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Metals (ICP)	TAL DEN	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL DEN		EPA 200.7
Sample Filtration	TAL DEN		FILTRATION
Metals (ICP/MS)	TAL DEN	EPA 200.8	
Preparation, Total Recoverable Metals	TAL DEN		EPA 200.8
Sample Filtration	TAL DEN		FILTRATION
Sodium Adsorption Ratio	TAL DEN	USDA 20B	
Mercury (CVAA)	TAL DEN	EPA 245.1	
Preparation, Mercury	TAL DEN		EPA 245.1
Sample Filtration	TAL DEN		FILTRATION
Anions, Ion Chromatography	TAL DEN	MCAWW 300.0	
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	
Organic Carbon, Total (TOC)	TAL DEN	SM SM 5310B	
Dissolved Gases (GC)	TAL HOU	RSK RSK-175	

Lab References:

TAL DEN = TestAmerica Denver

TAL HOU = TestAmerica Houston

Method References:

EPA = US Environmental Protection Agency

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

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.

USDA = "USDA Agriculture Handbook 60, section 20B".

METHOD / ANALYST SUMMARY

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method	Analyst	Analyst ID
SW846 8260B	Hubbs, Lisa M	LMH
SW846 8270C	Hoffman, Michael G	MGH
SW846 8015B	Byl, Amelia M	AMB
RSK RSK-175	Lam, Jason A	JAL
SW846 8015B	Pavlovich, Adam M	AMP
EPA 200.7 Rev 4.4	Bowen, Heidi E	HEB
EPA 200.8	Lill, Thomas E	TEL
USDA 20B	Harre, John K	JKH
EPA 245.1	Rawlings, Brendon L	BLR
MCAWW 300.0	Kudla, Ewa	EK
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2510B	Hostetler, Jeffrey M	JMH
SM SM 2540C	Domnick, Brandon J	BJD
SM SM 4500 H+ B	Ayala, Delaina	DA
SM SM 5310B	Bandy, Darlene F	DFB

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-126426	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P9189.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/30/2012 0216			Final Weight/Volume:	20 mL
Prep Date:	06/30/2012 0216				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloroethene, Total	ND		0.24	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2,2-Dichloropropane	ND		0.18	1.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	5.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorobromomethane	ND		0.10	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
Dibromomethane	ND		0.17	1.0
Dichlorobromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0
Ethylbenzene	ND		0.16	1.0

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-126426	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P9189.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/30/2012 0216			Final Weight/Volume:	20 mL
Prep Date:	06/30/2012 0216				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobutadiene	ND		0.36	1.0
Isopropylbenzene	ND		0.19	1.0
Methyl tert-butyl ether	ND		0.25	5.0
Methylene Chloride	0.49	J B	0.32	2.0
m-Xylene & p-Xylene	ND		0.34	2.0
Naphthalene	ND		0.22	1.0
n-Butylbenzene	ND		0.32	1.0
N-Propylbenzene	ND		0.16	1.0
o-Xylene	ND		0.19	1.0
sec-Butylbenzene	ND		0.17	1.0
Styrene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127
4-Bromofluorobenzene (Surr)	110		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120
Toluene-d8 (Surr)	102		80 - 125

Analytical Data

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-126328	Instrument ID:	MSS_Y
Prep Method:	3520C	Prep Batch:	280-125241	Lab File ID:	Y8518.D
Dilution:	1.0			Initial Weight/Volume:	1056.5 mL
Analysis Date:	06/29/2012 1454			Final Weight/Volume:	1000 uL
Prep Date:	06/22/2012 1420			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,2'-oxybis[1-chloropropane]	ND		0.27	9.5
2,4,5-Trichlorophenol	ND		0.43	9.5
2,4,6-Trichlorophenol	ND		0.27	9.5
2,4-Dichlorophenol	ND		0.61	9.5
2,4-Dimethylphenol	ND		0.55	9.5
2,4-Dinitrophenol	ND		9.5	28
2,4-Dinitrotoluene	ND		1.6	9.5
2,6-Dinitrotoluene	ND		1.8	9.5
2-Chloronaphthalene	ND		0.25	3.8
2-Chlorophenol	ND		1.9	9.5
2-Methylnaphthalene	ND		0.27	3.8
2-Methylphenol	ND		0.93	9.5
2-Nitroaniline	ND		1.6	9.5
2-Nitrophenol	ND		0.37	9.5
3 & 4 Methylphenol	ND		0.24	9.5
3,3'-Dichlorobenzidine	ND		1.9	47
3-Nitroaniline	ND		1.9	9.5
4,6-Dinitro-2-methylphenol	ND		3.8	47
4-Bromophenyl phenyl ether	ND		0.41	9.5
4-Chloro-3-methylphenol	ND		2.3	9.5
4-Chloroaniline	ND		2.0	9.5
4-Chlorophenyl phenyl ether	ND		1.6	9.5
4-Nitroaniline	ND		1.9	9.5
4-Nitrophenol	ND		1.2	9.5
Acenaphthene	ND		0.27	3.8
Acenaphthylene	ND		0.46	3.8
Acetophenone	ND		0.23	9.5
Anthracene	ND		0.40	3.8
Atrazine	ND		0.69	9.5
Benzidine	ND		47	95
Benzo[a]anthracene	ND		0.33	3.8
Benzo[a]pyrene	ND		0.29	3.8
Benzo[b]fluoranthene	ND		0.50	3.8
Benzo[g,h,i]perylene	ND		0.47	3.8
Benzo[k]fluoranthene	ND		0.44	3.8
Bis(2-chloroethoxy)methane	ND		0.92	9.5
Bis(2-chloroethyl)ether	ND		0.39	9.5
Bis(2-ethylhexyl) phthalate	ND		0.53	9.5
Butyl benzyl phthalate	ND		0.95	3.8
Caprolactam	ND		4.7	9.5
Carbazole	ND		0.41	3.8
Chrysene	ND		0.51	3.8
Cresols, Total	ND		0.24	9.5
Dibenz(a,h)anthracene	ND		0.48	3.8
Dibenzofuran	ND		0.27	3.8
Diethyl phthalate	ND		0.36	3.8

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-126328	Instrument ID:	MSS_Y
Prep Method:	3520C	Prep Batch:	280-125241	Lab File ID:	Y8518.D
Dilution:	1.0			Initial Weight/Volume:	1056.5 mL
Analysis Date:	06/29/2012 1454			Final Weight/Volume:	1000 uL
Prep Date:	06/22/2012 1420			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.20	3.8
Di-n-butyl phthalate	ND		1.1	3.8
Di-n-octyl phthalate	ND		0.33	3.8
Fluoranthene	ND		0.19	3.8
Fluorene	ND		0.29	3.8
Hexachlorobenzene	ND		0.62	9.5
Hexachlorobutadiene	ND		3.1	9.5
Hexachlorocyclopentadiene	ND		9.5	47
Hexachloroethane	ND		2.0	9.5
Indeno[1,2,3-cd]pyrene	ND		0.62	3.8
Naphthalene	ND		0.27	3.8
Nitrobenzene	ND		0.77	9.5
N-Nitrosodi-n-propylamine	ND		0.33	9.5
n-Nitrosodiphenylamine(as diphenylamine)	ND		0.42	9.5
Pentachlorophenol	ND		19	47
Phenanthrene	ND		0.25	3.8
Phenol	ND		1.9	9.5
Pyrene	ND		0.35	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	117		57 - 120
2-Fluorobiphenyl	89		38 - 120
2-Fluorophenol	88		51 - 120
Nitrobenzene-d5	92		48 - 120
Phenol-d5	93		51 - 120
Terphenyl-d14	105		50 - 120

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	280-125437	Instrument ID:	GCV_B
Prep Method:	5030B		N/A	Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/22/2012 2339			Injection Volume:	5 mL
Prep Date:	06/22/2012 2339			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	ND		10	25

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	90		82 - 110

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

RSK-175 Dissolved Gases (GC)Analysis Method: RSK-175
N/AAnalysis Batch: 600-83033
N/A

Instrument ID: FID14

Initial Weight/Volume: 1 mL

Dilution: 1.0

Final Weight/Volume: 1 mL

Analysis Date: 07/02/2012 1613

Injection Volume:

Prep Date: N/A

Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethane	ND		0.30	2.0
Methane	11		0.36	1.0
Propane	ND		0.75	2.0

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

8015B Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B	Analysis Batch:	280-125910	Instrument ID:	GCS_U2
Prep Method:	3510C	Prep Batch:	280-125259	Initial Weight/Volume:	1061.44 mL
Dilution:	1.0			Final Weight/Volume:	1000 uL
Analysis Date:	06/27/2012 1840			Injection Volume:	1 uL
Prep Date:	06/22/2012 1658			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
C10-C36	0.066	J	0.053	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	71		50 - 115
n-Octacosane	90		26 - 152

Analytical Data

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

200.7 Rev 4.4 Metals (ICP)-Dissolved

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	280-125764	Instrument ID:	MT_026
Prep Method:	200.7	Prep Batch:	280-125463	Lab File ID:	26A062612.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/26/2012 2345			Final Weight/Volume:	50 mL
Prep Date:	06/26/2012 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	ND		18	100
Beryllium	ND		0.47	1.0
Boron	480		4.4	100
Calcium	110000		35	200
Chromium	ND		0.66	10
Iron	ND		22	100
Lithium	100		2.6	10
Magnesium	100000		11	200
Nickel	3.8	J	1.3	40
Potassium	5100		240	3000
Silicon	6200		35	500
Sodium	1200000		92	5000
Strontium	3500		0.30	10
Vanadium	1.6	J	1.1	10
Zinc	8.5	J	4.5	20

200.8 Metals (ICP/MS)-Dissolved

Analysis Method:	200.8	Analysis Batch:	280-125775	Instrument ID:	MT_024
Prep Method:	200.8	Prep Batch:	280-125466	Lab File ID:	069SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/27/2012 0008			Final Weight/Volume:	50 mL
Prep Date:	06/26/2012 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.24	J	0.16	2.0
Arsenic	2.0	J	0.50	5.0
Barium	21		0.38	1.0
Cadmium	ND		0.040	1.0
Cobalt	0.50	J	0.050	1.0
Copper	1.9	J	0.20	2.0
Lead	ND		0.10	1.0
Manganese	920		0.51	2.0
Molybdenum	24	B	0.040	2.0
Selenium	71		1.0	5.0
Silver	0.045	J B	0.020	1.0
Thallium	ND		0.066	1.0
Uranium	53		0.030	1.0

20B Sodium Adsorption Ratio

Analytical Data

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Date Sampled: 06/21/2012 1115

Client Matrix: Water

Date Received: 06/22/2012 0930

20B Sodium Adsorption Ratio

Analysis Method:	20B	Analysis Batch:	280-125550	Instrument ID:	MT_025
	N/A		N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	06/26/2012 0710			Final Weight/Volume:	1.0 mL
Prep Date:	N/A				

Analyte	Result (No Unit)	Qualifier	MDL	RL
Sodium Adsorption Ratio	20		0.40	0.40

245.1 Mercury (CVAA)-Dissolved

Analysis Method:	245.1	Analysis Batch:	280-125577	Instrument ID:	MT_033
Prep Method:	245.1	Prep Batch:	280-125255	Lab File ID:	120625aa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	06/25/2012 1449			Final Weight/Volume:	30 mL
Prep Date:	06/25/2012 1200				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.031	J B	0.027	0.20

Analytical Data

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

General Chemistry

Client Sample ID: HUNT CISTERN

Lab Sample ID: 280-30333-1

Client Matrix: Water

Date Sampled: 06/21/2012 1115

Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Bromide	2.9		mg/L	0.57	1.0	5.0	300.0
	Analysis Batch: 280-125495	Analysis Date: 06/22/2012 1600					
Nitrate as N	1.3	J	mg/L	0.21	2.5	5.0	300.0
	Analysis Batch: 280-125489	Analysis Date: 06/22/2012 1600					
Chloride	440		mg/L	2.5	30	10	300.0
	Analysis Batch: 280-125495	Analysis Date: 06/22/2012 1945					
Nitrite as N	ND		mg/L	0.25	2.5	5.0	300.0
	Analysis Batch: 280-125489	Analysis Date: 06/22/2012 1600					
Fluoride	1.9	J	mg/L	0.30	2.5	5.0	300.0
	Analysis Batch: 280-125495	Analysis Date: 06/22/2012 1600					
Sulfate	2700		mg/L	23	500	100	300.0
	Analysis Batch: 280-125495	Analysis Date: 06/22/2012 2002					
Total Alkalinity	640		mg/L	1.1	5.0	1.0	SM 2320B
	Analysis Batch: 280-125394	Analysis Date: 06/23/2012 0849					
Bicarbonate Alkalinity as CaCO3	640		mg/L	1.1	5.0	1.0	SM 2320B
	Analysis Batch: 280-125394	Analysis Date: 06/23/2012 0849					
Carbonate Alkalinity as CaCO3	ND		mg/L	1.1	5.0	1.0	SM 2320B
	Analysis Batch: 280-125394	Analysis Date: 06/23/2012 0849					
Hydroxide Alkalinity	ND		mg/L	1.1	5.0	1.0	SM 2320B
	Analysis Batch: 280-125394	Analysis Date: 06/23/2012 0849					
Specific Conductance	6800		umhos/cm	2.0	2.0	1.0	SM 2510B
	Analysis Batch: 280-125960	Analysis Date: 06/28/2012 1108					
Total Dissolved Solids	4900		mg/L	47	100	1.0	SM 2540C
	Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819					
pH	7.47	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
	Analysis Batch: 280-125326	Analysis Date: 06/23/2012 1208					
Total Organic Carbon - Average	20	B	mg/L	0.16	1.0	1.0	SM 5310B
	Analysis Batch: 280-126107	Analysis Date: 06/28/2012 0641					

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

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
280-30333-1	HUNT CISTERN	98	90	102	110
MB 280-126426/6		95	84	98	110
LCS 280-126426/5		95	83	100	103
LCSD 280-126426/7		93	80	101	104
280-30487-B-1 MS		94	80	104	106
280-30487-A-1 MSD		95	81	104	109

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-30333-1	HUNT CISTERN	88	93	92	89	117	105
MB 280-125241/1-A		88	92	93	75	109	112
LCS 280-125241/2-A		89	95	91	82	123X	107
LCSD 280-125241/3-A		88	92	87	75	120	106

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	51-120
PHL = Phenol-d5	51-120
NBZ = Nitrobenzene-d5	48-120
FBP = 2-Fluorobiphenyl	38-120
TBP = 2,4,6-Tribromophenol	57-120
TPH = Terphenyl-d14	50-120

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
280-30333-1	HUNT CISTERN	90
MB 280-125437/5		91
LCS 280-125437/3		94
LCSD 280-125437/4		92
280-30303-U-3 MS		147X
280-30303-U-3 MSD		147X

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	82-110

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH1 %Rec	OTC1 %Rec
280-30333-1	HUNT CISTERN	71	90
MB 280-125259/1-A		71	90
LCS 280-125259/2-A		79	93
LCSD 280-125259/3-A		80	91
280-30303-D-3-A MS		72	91
280-30303-F-3-A MSD		73	95

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-115
OTC = n-Octacosane	26-152

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-126426

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: MB 280-126426/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 2147
Prep Date: 06/29/2012 2147
Leach Date: N/A

Analysis Batch: 280-126426
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: MSV_P
Lab File ID: P9179.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloroethene, Total	ND		0.24	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2,2-Dichloropropane	ND		0.18	1.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	5.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorobromomethane	ND		0.10	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
Dibromomethane	ND		0.17	1.0
Dichlorobromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-126426

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-126426/6	Analysis Batch:	280-126426	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9179.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 2147	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 2147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		0.16	1.0
Hexachlorobutadiene	ND		0.36	1.0
Isopropylbenzene	ND		0.19	1.0
Methyl tert-butyl ether	ND		0.25	5.0
Methylene Chloride	0.595	J	0.32	2.0
m-Xylene & p-Xylene	ND		0.34	2.0
Naphthalene	ND		0.22	1.0
n-Butylbenzene	ND		0.32	1.0
N-Propylbenzene	ND		0.16	1.0
o-Xylene	ND		0.19	1.0
sec-Butylbenzene	ND		0.17	1.0
Styrene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	70 - 127
4-Bromofluorobenzene (Surr)	110	78 - 120
Dibromofluoromethane (Surr)	95	77 - 120
Toluene-d8 (Surr)	98	80 - 125

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126426**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID:	LCS 280-126426/5	Analysis Batch:	280-126426	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9178.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 2127	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 2127				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126426/7	Analysis Batch:	280-126426	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9180.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 2317	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 2317				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	89	88	70 - 135	1	20		
1,1-Dichloroethane	90	89	75 - 135	1	21		
1,1-Dichloroethene	93	92	71 - 136	1	20		
1,2-Dichloropropane	86	83	71 - 120	4	20		
1,3-Dichlorobenzene	88	88	74 - 135	0	20		
Benzene	92	90	74 - 135	2	20		
Carbon tetrachloride	98	99	67 - 135	1	21		
Chlorobenzene	93	93	76 - 135	0	20		
Chloroform	89	87	76 - 120	3	20		
Dichlorobromomethane	84	81	73 - 135	4	20		
Ethylbenzene	93	93	72 - 120	0	26		
Methylene Chloride	100	101	54 - 141	1	20		
Tetrachloroethene	93	95	70 - 135	2	20		
Toluene	98	96	73 - 120	2	20		
trans-1,2-Dichloroethene	92	91	75 - 135	1	24		
Trichloroethene	91	88	73 - 135	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	80	70 - 127
4-Bromofluorobenzene (Surr)	103	104	78 - 120
Dibromofluoromethane (Surr)	95	93	77 - 120
Toluene-d8 (Surr)	100	101	80 - 125

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126426**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 280-126426/5 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 2127
Prep Date: 06/29/2012 2127
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-126426/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 2317
Prep Date: 06/29/2012 2317
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	5.00	5.00	4.45	4.39
1,1-Dichloroethane	5.00	5.00	4.48	4.44
1,1-Dichloroethene	5.00	5.00	4.66	4.61
1,2-Dichloropropane	5.00	5.00	4.31	4.15
1,3-Dichlorobenzene	5.00	5.00	4.41	4.40
Benzene	5.00	5.00	4.62	4.52
Carbon tetrachloride	5.00	5.00	4.92	4.96
Chlorobenzene	5.00	5.00	4.67	4.66
Chloroform	5.00	5.00	4.46	4.35
Dichlorobromomethane	5.00	5.00	4.18	4.03
Ethylbenzene	5.00	5.00	4.63	4.64
Methylene Chloride	5.00	5.00	4.99	5.04
Tetrachloroethene	5.00	5.00	4.65	4.75
Toluene	5.00	5.00	4.90	4.79
trans-1,2-Dichloroethene	5.00	5.00	4.61	4.54
Trichloroethene	5.00	5.00	4.53	4.40

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-126426

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 280-30487-B-1 MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2012 0039
Prep Date: 06/30/2012 0039
Leach Date: N/A

Analysis Batch: 280-126426
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: MSV_P
Lab File ID: P9184.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 280-30487-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2012 0058
Prep Date: 06/30/2012 0058
Leach Date: N/A

Analysis Batch: 280-126426
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: MSV_P
Lab File ID: P9185.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	89	90	70 - 135	1	20		
1,1-Dichloroethane	90	89	75 - 135	1	21		
1,1-Dichloroethene	90	91	71 - 136	0	20		
1,2-Dichloropropane	84	82	71 - 120	2	20		
1,3-Dichlorobenzene	87	87	74 - 135	1	20		
Benzene	93	93	74 - 135	0	20		
Carbon tetrachloride	99	99	67 - 135	0	21		
Chlorobenzene	92	93	76 - 135	1	20		
Chloroform	87	88	76 - 120	1	20		
Dichlorobromomethane	80	81	73 - 135	1	20		
Ethylbenzene	91	90	72 - 120	1	26		
Methylene Chloride	86	85	54 - 141	0	20		
Tetrachloroethene	93	94	70 - 135	1	20		
Toluene	96	82	73 - 120	11	20		
trans-1,2-Dichloroethene	89	92	75 - 135	3	24		
Trichloroethene	88	89	73 - 135	1	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	80		81	70 - 127			
4-Bromofluorobenzene (Surr)	106		109	78 - 120			
Dibromofluoromethane (Surr)	94		95	77 - 120			
Toluene-d8 (Surr)	104		104	80 - 125			

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126426**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 280-30487-B-1 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2012 0039
Prep Date: 06/30/2012 0039
Leach Date: N/A

MSD Lab Sample ID: 280-30487-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2012 0058
Prep Date: 06/30/2012 0058
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	ND	5.00	5.00	4.47	4.52
1,1-Dichloroethane	ND	5.00	5.00	4.49	4.44
1,1-Dichloroethene	ND	5.00	5.00	4.52	4.53
1,2-Dichloropropane	ND	5.00	5.00	4.20	4.12
1,3-Dichlorobenzene	ND	5.00	5.00	4.34	4.37
Benzene	ND	5.00	5.00	4.66	4.65
Carbon tetrachloride	ND	5.00	5.00	4.97	4.97
Chlorobenzene	ND	5.00	5.00	4.61	4.65
Chloroform	ND	5.00	5.00	4.36	4.39
Dichlorobromomethane	ND	5.00	5.00	4.01	4.04
Ethylbenzene	0.32 J	5.00	5.00	4.88	4.84
Methylene Chloride	0.56 J	5.00	5.00	4.84	4.81
Tetrachloroethene	ND	5.00	5.00	4.67	4.70
Toluene	1.6	5.00	5.00	6.42	5.74
trans-1,2-Dichloroethene	ND	5.00	5.00	4.45	4.60
Trichloroethene	ND	5.00	5.00	4.40	4.43

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125241

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 280-125241/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 1110
Prep Date: 06/22/2012 1420
Leach Date: N/A

Analysis Batch: 280-126328
Prep Batch: 280-125241
Leach Batch: N/A
Units: ug/L

Instrument ID: MSS_Y
Lab File ID: Y8507.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 uL
Injection Volume: 0.5 uL

Analyte	Result	Qual	MDL	RL
2,2'-oxybis[1-chloropropane]	ND		0.28	10
2,4,5-Trichlorophenol	ND		0.45	10
2,4,6-Trichlorophenol	ND		0.29	10
2,4-Dichlorophenol	ND		0.64	10
2,4-Dimethylphenol	ND		0.58	10
2,4-Dinitrophenol	ND		10	30
2,4-Dinitrotoluene	ND		1.7	10
2,6-Dinitrotoluene	ND		1.9	10
2-Chloronaphthalene	ND		0.26	4.0
2-Chlorophenol	ND		2.0	10
2-Methylnaphthalene	ND		0.29	4.0
2-Methylphenol	ND		0.98	10
2-Nitroaniline	ND		1.7	10
2-Nitrophenol	ND		0.39	10
3 & 4 Methylphenol	ND		0.25	10
3,3'-Dichlorobenzidine	ND		2.0	50
3-Nitroaniline	ND		2.0	10
4,6-Dinitro-2-methylphenol	ND		4.0	50
4-Bromophenyl phenyl ether	ND		0.43	10
4-Chloro-3-methylphenol	ND		2.4	10
4-Chloroaniline	ND		2.1	10
4-Chlorophenyl phenyl ether	ND		1.7	10
4-Nitroaniline	ND		2.0	10
4-Nitrophenol	ND		1.2	10
Acenaphthene	ND		0.28	4.0
Acenaphthylene	ND		0.49	4.0
Acetophenone	ND		0.24	10
Anthracene	ND		0.42	4.0
Atrazine	ND		0.73	10
Benzidine	ND		50	100
Benzo[a]anthracene	ND		0.35	4.0
Benzo[a]pyrene	ND		0.31	4.0
Benzo[b]fluoranthene	ND		0.53	4.0
Benzo[g,h,i]perylene	ND		0.50	4.0
Benzo[k]fluoranthene	ND		0.46	4.0
Bis(2-chloroethoxy)methane	ND		0.97	10
Bis(2-chloroethyl)ether	ND		0.41	10
Bis(2-ethylhexyl) phthalate	ND		0.56	10
Butyl benzyl phthalate	ND		1.0	4.0
Caprolactam	ND		5.0	10
Carbazole	ND		0.43	4.0
Chrysene	ND		0.54	4.0
Cresols, Total	ND		0.25	10
Dibenz(a,h)anthracene	ND		0.51	4.0
Dibenzofuran	ND		0.29	4.0

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125241

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 280-125241/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 1110
Prep Date: 06/22/2012 1420
Leach Date: N/A

Analysis Batch: 280-126328
Prep Batch: 280-125241
Leach Batch: N/A
Units: ug/L

Instrument ID: MSS_Y
Lab File ID: Y8507.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 uL
Injection Volume: 0.5 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.38	4.0
Dimethyl phthalate	ND		0.21	4.0
Di-n-butyl phthalate	ND		1.2	4.0
Di-n-octyl phthalate	ND		0.35	4.0
Fluoranthene	ND		0.20	4.0
Fluorene	ND		0.31	4.0
Hexachlorobenzene	ND		0.66	10
Hexachlorobutadiene	ND		3.3	10
Hexachlorocyclopentadiene	ND		10	50
Hexachloroethane	ND		2.1	10
Indeno[1,2,3-cd]pyrene	ND		0.65	4.0
Naphthalene	ND		0.29	4.0
Nitrobenzene	ND		0.81	10
N-Nitrosodi-n-propylamine	ND		0.35	10
n-Nitrosodiphenylamine(as diphenylamine)	ND		0.44	10
Pentachlorophenol	ND		20	50
Phenanthrene	ND		0.26	4.0
Phenol	ND		2.0	10
Pyrene	ND		0.37	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	109	57 - 120
2-Fluorobiphenyl	75	38 - 120
2-Fluorophenol	88	51 - 120
Nitrobenzene-d5	93	48 - 120
Phenol-d5	92	51 - 120
Terphenyl-d14	112	50 - 120

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125241**

**Method: 8270C
Preparation: 3520C**

LCS Lab Sample ID: LCS 280-125241/2-A	Analysis Batch: 280-126328	Instrument ID: MSS_Y
Client Matrix: Water	Prep Batch: 280-125241	Lab File ID: Y8508.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 06/29/2012 1131	Units: ug/L	Final Weight/Volume: 1000 uL
Prep Date: 06/22/2012 1420		Injection Volume: 0.5 uL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 280-125241/3-A	Analysis Batch: 280-126328	Instrument ID: MSS_Y
Client Matrix: Water	Prep Batch: 280-125241	Lab File ID: Y8509.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 06/29/2012 1151	Units: ug/L	Final Weight/Volume: 1000 uL
Prep Date: 06/22/2012 1420		Injection Volume: 0.5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,2,4-Trichlorobenzene	77	71	28 - 120	8	42		
1,4-Dichlorobenzene	78	73	25 - 120	7	52		
2,4,5-Trichlorophenol	105	103	64 - 120	1	30		
2,4,6-Trichlorophenol	100	100	62 - 120	0	30		
2,4-Dinitrotoluene	111	112	76 - 120	1	32		
2-Chlorophenol	92	91	58 - 120	1	30		
2-Methylnaphthalene	82	75	42 - 120	9	32		
2-Methylphenol	91	90	62 - 120	1	30		
4-Chloro-3-methylphenol	102	101	69 - 120	0	30		
4-Nitrophenol	116	119	59 - 129	2	35		
Acenaphthene	84	80	61 - 120	5	30		
Anthracene	97	97	71 - 120	0	30		
Carbazole	102	102	72 - 120	0	30		
N-Nitrosodi-n-propylamine	92	93	58 - 120	1	30		
Pentachlorophenol	93	95	57 - 120	1	33		
Phenol	93	92	61 - 120	1	42		
Pyrene	98	98	71 - 120	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
2,4,6-Tribromophenol	123	X	120		57 - 120		
2-Fluorobiphenyl	82		75		38 - 120		
2-Fluorophenol	89		88		51 - 120		
Nitrobenzene-d5	91		87		48 - 120		
Phenol-d5	95		92		51 - 120		
Terphenyl-d14	107		106		50 - 120		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125241**

**Method: 8270C
Preparation: 3520C**

LCS Lab Sample ID: LCS 280-125241/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 1131
Prep Date: 06/22/2012 1420
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-125241/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/29/2012 1151
Prep Date: 06/22/2012 1420
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	80.0	80.0	61.5	56.9
1,4-Dichlorobenzene	80.0	80.0	62.4	58.2
2,4,5-Trichlorophenol	80.0	80.0	84.0	82.8
2,4,6-Trichlorophenol	80.0	80.0	80.0	79.7
2,4-Dinitrotoluene	80.0	80.0	88.7	89.8
2-Chlorophenol	80.0	80.0	73.6	73.1
2-Methylnaphthalene	80.0	80.0	65.4	59.8
2-Methylphenol	80.0	80.0	72.5	71.7
4-Chloro-3-methylphenol	80.0	80.0	81.5	81.1
4-Nitrophenol	80.0	80.0	93.1	95.1
Acenaphthene	80.0	80.0	66.8	63.6
Anthracene	80.0	80.0	77.8	77.5
Carbazole	80.0	80.0	81.9	81.6
N-Nitrosodi-n-propylamine	80.0	80.0	73.5	74.4
Pentachlorophenol	80.0	80.0	74.6	75.7
Phenol	80.0	80.0	74.5	73.9
Pyrene	80.0	80.0	78.6	78.1

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125437

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MB 280-125437/5	Analysis Batch:	280-125437	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	110F0501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/22/2012 1354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/22/2012 1354			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	ND		10	25
Surrogate	% Rec		Acceptance Limits	
a,a,a-Trifluorotoluene	91		82 - 110	

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 280-125437

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-125437/3	Analysis Batch:	280-125437	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	108F0301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/22/2012 1247	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/22/2012 1247			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-125437/4	Analysis Batch:	280-125437	Instrument ID:	GCV_B
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	109F0401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/22/2012 1320	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/22/2012 1320			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	LCS	% Rec.	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
		LCSD					
Gasoline Range Organics (GRO)-C6-C10	105	105	79 - 149	0	27		
Surrogate		LCS % Rec	LCSD % Rec		Acceptance Limits		
a,a,a-Trifluorotoluene		94	92		82 - 110		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125437**

**Method: 8015B
Preparation: 5030B**

LCS Lab Sample ID: LCS 280-125437/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1247
Prep Date: 06/22/2012 1247
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-125437/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1320
Prep Date: 06/22/2012 1320
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Gasoline Range Organics (GRO)-C6-C10	101	101	106	106

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125437**

**Method: 8015B
Preparation: 5030B**

MS Lab Sample ID: 280-30303-U-3 MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1654
Prep Date: 06/22/2012 1654
Leach Date: N/A

Analysis Batch: 280-125437
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: GCV_B
Lab File ID: 113F0801.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume: 5 mL
Column ID: PRIMARY

MSD Lab Sample ID: 280-30303-U-3 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1728
Prep Date: 06/22/2012 1728
Leach Date: N/A

Analysis Batch: 280-125437
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: GCV_B
Lab File ID: 114F0901.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Gasoline Range Organics (GRO)-C6-C10	79	81	79 - 149	1	27		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
a,a,a-Trifluorotoluene	147	X	147	X	82 - 110		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-125437

Method: 8015B

Preparation: 5030B

MS Lab Sample ID: 280-30303-U-3 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1654
Prep Date: 06/22/2012 1654
Leach Date: N/A

MSD Lab Sample ID: 280-30303-U-3 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1728
Prep Date: 06/22/2012 1728
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Gasoline Range Organics (GRO)-C6-C10	110	101	101	193	195

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 600-83033

Method: RSK-175

Preparation: N/A

Lab Sample ID:	MB 600-83033/2	Analysis Batch:	600-83033	Instrument ID:	FID14
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	rsk070212_002.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	07/02/2012 1438	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Ethane	ND		0.30	2.0
Methane	ND		0.36	1.0
Propane	ND		0.75	2.0

Lab Control Sample - Batch: 600-83033

Method: RSK-175

Preparation: N/A

Lab Sample ID:	LCS 600-83033/3	Analysis Batch:	600-83033	Instrument ID:	FID14
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	rsk070212_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	07/02/2012 1452	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethane	12.9	10.8	84	70 - 130	
Methane	6.86	6.66	97	70 - 130	
Propane	18.9	16.7	88	70 - 130	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-83033

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-30378-P-1 MS	Analysis Batch:	600-83033	Instrument ID:	FID14
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	rsk070212_013.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	07/02/2012 1729			Final Weight/Volume:	1 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-30378-P-1 MSD	Analysis Batch:	600-83033	Instrument ID:	FID14
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	rsk070212_014.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	07/02/2012 1746			Final Weight/Volume:	1 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ethane	83	82	70 - 130	1	30		
Methane	81	81	70 - 130	0	30		
Propane	90	88	70 - 130	2	30		

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-83033

Method: RSK-175
Preparation: N/A

MS Lab Sample ID:	280-30378-P-1 MS	Units:	ug/L	MSD Lab Sample ID:	280-30378-P-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1729			Analysis Date:	07/02/2012 1746
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ethane	0.40	J	12.9	12.9	11.1	10.9
Methane	2.0		6.86	6.86	7.57	7.55
Propane	ND		18.9	18.9	16.9	16.6

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125259

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 280-125259/1-A	Analysis Batch: 280-125910	Instrument ID: GCS_U2
Client Matrix: Water	Prep Batch: 280-125259	Lab File ID: 006F0601.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 06/27/2012 1525	Units: mg/L	Final Weight/Volume: 1000 uL
Prep Date: 06/22/2012 1658		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
C10-C36	ND		0.056	0.50
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl	71		50 - 115	
n-Octacosane	90		26 - 152	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 280-125259

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 280-125259/2-A	Analysis Batch: 280-125910	Instrument ID: GCS_U2
Client Matrix: Water	Prep Batch: 280-125259	Lab File ID: 007F0701.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 06/27/2012 1549	Units: mg/L	Final Weight/Volume: 1000 uL
Prep Date: 06/22/2012 1658		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 280-125259/3-A	Analysis Batch: 280-125910	Instrument ID: GCS_U2
Client Matrix: Water	Prep Batch: 280-125259	Lab File ID: 008F0801.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 06/27/2012 1613	Units: mg/L	Final Weight/Volume: 1000 uL
Prep Date: 06/22/2012 1658		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
C10-C36	91	84	57 - 115	8	31		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
o-Terphenyl	79		80		50 - 115		
n-Octacosane	93		91		26 - 152		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 280-125259

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 280-125259/2-A Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1549
Prep Date: 06/22/2012 1658
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-125259/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1613
Prep Date: 06/22/2012 1658
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C10-C36	2.00	2.00	1.82	1.69

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 280-125259

Method: 8015B
Preparation: 3510C

MS Lab Sample ID: 280-30303-D-3-A MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1727
Prep Date: 06/22/2012 1658
Leach Date: N/A

Analysis Batch: 280-125910
Prep Batch: 280-125259
Leach Batch: N/A

Instrument ID: GCS_U2
Lab File ID: 011F1101.D
Initial Weight/Volume: 1059.6 mL
Final Weight/Volume: 1000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 280-30303-F-3-A MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1751
Prep Date: 06/22/2012 1658
Leach Date: N/A

Analysis Batch: 280-125910
Prep Batch: 280-125259
Leach Batch: N/A

Instrument ID: GCS_U2
Lab File ID: 012F1201.D
Initial Weight/Volume: 1047 mL
Final Weight/Volume: 1000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
C10-C36	74	76	50 - 115	4	31		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
o-Terphenyl	72		73	50 - 115			
n-Octacosane	91		95	26 - 152			

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-125259

Method: 8015B

Preparation: 3510C

MS Lab Sample ID: 280-30303-D-3-A MS Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1727
Prep Date: 06/22/2012 1658
Leach Date: N/A

MSD Lab Sample ID: 280-30303-F-3-A MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2012 1751
Prep Date: 06/22/2012 1658
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C10-C36	0.085	J	1.89	1.91	1.48	1.54

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125463

Method: 200.7 Rev 4.4

Preparation: 200.7

Dissolved

Lab Sample ID: MB 280-125231/1-C
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2340
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125764
Prep Batch: 280-125463
Leach Batch: N/A
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26A062612.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		18	100
Beryllium	ND		0.47	1.0
Boron	ND		4.4	100
Calcium	ND		35	200
Chromium	ND		0.66	10
Iron	ND		22	100
Lithium	ND		2.6	10
Magnesium	ND		11	200
Nickel	ND		1.3	40
Potassium	ND		240	3000
Silicon	ND		35	500
Sodium	ND		92	5000
Strontium	ND		0.30	10
Vanadium	ND		1.1	10
Zinc	ND		4.5	20

Lab Control Sample - Batch: 280-125463

Method: 200.7 Rev 4.4

Preparation: 200.7

Dissolved

Lab Sample ID: LCS 280-125231/2-C
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2343
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125764
Prep Batch: 280-125463
Leach Batch: N/A
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26A062612.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1970	99	87 - 111	
Beryllium	50.0	49.7	99	89 - 113	
Boron	1000	1060	106	86 - 110	
Calcium	50000	49300	99	90 - 111	
Chromium	200	200	100	90 - 113	
Iron	1000	987	99	89 - 115	
Lithium	1000	1020	102	90 - 112	
Magnesium	50000	50500	101	90 - 113	
Nickel	500	497	99	89 - 111	
Potassium	50000	52100	104	89 - 114	
Silicon	10000	10000	100	90 - 110	
Sodium	50000	51800	104	90 - 115	
Strontium	1000	1010	101	90 - 111	
Vanadium	500	511	102	90 - 111	
Zinc	500	505	101	85 - 111	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 280-125463

Method: 200.7 Rev 4.4
Preparation: 200.7
Dissolved

MS Lab Sample ID: 280-30333-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2351
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125764
Prep Batch: 280-125463
Leach Batch: N/A

Instrument ID: MT_026
Lab File ID: 26A062612.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-30333-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2354
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125764
Prep Batch: 280-125463
Leach Batch: N/A

Instrument ID: MT_026
Lab File ID: 26A062612.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	93	92	87 - 111	2	20		
Beryllium	97	95	89 - 113	2	20		
Boron	98	96	86 - 110	1	20		
Calcium	96	92	90 - 111	1	20		
Chromium	98	96	90 - 113	2	20		
Iron	99	97	89 - 115	2	20		
Lithium	106	104	90 - 112	1	20		
Magnesium	96	93	90 - 113	1	20		
Nickel	96	95	89 - 111	1	20		
Potassium	114	113	89 - 114	1	20		
Silicon	100	97	90 - 110	1	20		
Sodium	85	65	90 - 115	1	20	4	4
Strontium	97	93	90 - 111	1	20		
Vanadium	104	102	90 - 111	2	20		
Zinc	102	100	85 - 111	2	20		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-125463

Method: 200.7 Rev 4.4

Preparation: 200.7

Dissolved

MS Lab Sample ID: 280-30333-1 Units: ug/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2012 2351
 Prep Date: 06/26/2012 1400
 Leach Date: N/A

MSD Lab Sample ID: 280-30333-1
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2012 2354
 Prep Date: 06/26/2012 1400
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	ND	2000	2000	1860	1830
Beryllium	ND	50.0	50.0	48.4	47.5
Boron	480	1000	1000	1460	1440
Calcium	110000	50000	50000	154000	152000
Chromium	ND	200	200	196	193
Iron	ND	1000	1000	990	969
Lithium	100	1000	1000	1160	1150
Magnesium	100000	50000	50000	150000	149000
Nickel	3.8 J	500	500	486	479
Potassium	5100	50000	50000	62200	61400
Silicon	6200	10000	10000	16200	15900
Sodium	1200000	50000	50000	1250000 4	1240000 4
Strontium	3500	1000	1000	4440	4400
Vanadium	1.6 J	500	500	521	513
Zinc	8.5 J	500	500	518	510

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Serial Dilution - Batch: 280-125463

Method: 200.7 Rev 4.4

Preparation: 200.7

Dissolved

Lab Sample ID:	280-30333-1	Analysis Batch:	280-125764	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-125463	Lab File ID:	26A062612.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/26/2012 2349	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	06/26/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	ND	ND	NC	10	
Beryllium	ND	ND	NC	10	
Boron	480	523	9.0	10	
Calcium	110000	111000	4.8	10	
Chromium	ND	ND	NC	10	
Iron	ND	ND	NC	10	
Lithium	100	111	NC	10	
Magnesium	100000	107000	4.4	10	
Nickel	3.8 J	ND	NC	10	
Potassium	5100	5790	NC	10	J
Silicon	6200	6470	4.8	10	
Sodium	1200000	1260000	4.1	10	
Strontium	3500	3620	4.3	10	
Vanadium	1.6 J	ND	NC	10	
Zinc	8.5 J	25.4	NC	10	J

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125466

Lab Sample ID: MB 280-125420/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2345
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125775
Prep Batch: 280-125466
Leach Batch: N/A
Units: ug/L

Method: 200.8 Preparation: 200.8 Dissolved

Instrument ID: MT_024
Lab File ID: 061_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.16	2.0
Arsenic	ND		0.50	5.0
Barium	ND		0.38	1.0
Cadmium	ND		0.040	1.0
Cobalt	ND		0.050	1.0
Copper	ND		0.20	2.0
Lead	ND		0.10	1.0
Manganese	ND		0.51	2.0
Molybdenum	0.0689	J	0.040	2.0
Selenium	ND		1.0	5.0
Silver	0.0394	J	0.020	1.0
Thallium	ND		0.066	1.0
Uranium	ND		0.030	1.0

Lab Control Sample - Batch: 280-125466

Lab Sample ID: LCS 280-125420/2-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2348
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125775
Prep Batch: 280-125466
Leach Batch: N/A
Units: ug/L

Method: 200.8 Preparation: 200.8 Dissolved

Instrument ID: MT_024
Lab File ID: 062_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	40.3	101	85 - 115	
Arsenic	40.0	41.1	103	89 - 111	
Barium	40.0	41.2	103	89 - 115	
Cadmium	40.0	40.0	100	89 - 111	
Cobalt	40.0	39.3	98	92 - 115	
Copper	40.0	39.3	98	90 - 115	
Lead	40.0	41.4	104	88 - 115	
Manganese	40.0	39.5	99	87 - 115	
Molybdenum	40.0	41.2	103	89 - 112	
Selenium	40.0	40.7	102	85 - 114	
Silver	40.0	39.4	98	90 - 114	
Thallium	40.0	44.1	110	86 - 115	
Uranium	40.0	44.7	112	85 - 115	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125466**

**Method: 200.8
Preparation: 200.8
Dissolved**

MS Lab Sample ID: 280-30378-F-1-D MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2354
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125775
Prep Batch: 280-125466
Leach Batch: N/A

Instrument ID: MT_024
Lab File ID: 064_MS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-30378-F-1-E MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 2357
Prep Date: 06/26/2012 1400
Leach Date: N/A

Analysis Batch: 280-125775
Prep Batch: 280-125466
Leach Batch: N/A

Instrument ID: MT_024
Lab File ID: 065_MS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	98	96	85 - 115	2	30		
Arsenic	103	100	79 - 120	2	30		
Barium	99	96	89 - 115	2	30		
Cadmium	91	91	89 - 111	0	30		
Cobalt	91	90	92 - 115	1	30	F	F
Copper	85	83	90 - 115	1	30	F	F
Lead	90	90	88 - 115	0	30		
Manganese	92	91	87 - 115	1	35		
Molybdenum	100	97	89 - 112	2	30		
Selenium	106	106	85 - 114	0	35		
Silver	84	83	20 - 120	1	40		
Thallium	96	96	86 - 115	1	30		
Uranium	106	107	85 - 115	0	30		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-125466

Method: 200.8

Preparation: 200.8

Dissolved

MS Lab Sample ID: 280-30378-F-1-D MS Units: ug/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2012 2354
 Prep Date: 06/26/2012 1400
 Leach Date: N/A

MSD Lab Sample ID: 280-30378-F-1-E MSD
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2012 2357
 Prep Date: 06/26/2012 1400
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	ND		40.0	40.0	39.2		38.3	
Arsenic	2.0	J	40.0	40.0	43.1		42.2	
Barium	12		40.0	40.0	51.1		50.0	
Cadmium	ND		40.0	40.0	36.4		36.3	
Cobalt	0.052	J	40.0	40.0	36.3	F	36.0	F
Copper	28		40.0	40.0	62.3	F	61.6	F
Lead	0.14	J	40.0	40.0	36.2		36.3	
Manganese	2.3		40.0	40.0	39.0		38.7	
Molybdenum	23		40.0	40.0	62.9		61.7	
Selenium	13		40.0	40.0	54.8		55.0	
Silver	0.023	J	40.0	40.0	33.6		33.3	
Thallium	ND		40.0	40.0	38.3		38.6	
Uranium	5.0		40.0	40.0	47.5		47.7	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125550

Method: 20B
Preparation: N/A

Lab Sample ID: MB 280-125550/1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2012 0710
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 280-125550
Prep Batch: N/A
Leach Batch: N/A
Units: No Unit

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Sodium Adsorption Ratio	ND		0.40	0.40

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125255

Method: 245.1
Preparation: 245.1
Dissolved

Lab Sample ID: MB 280-125231/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1442
Prep Date: 06/25/2012 1200
Leach Date: N/A

Analysis Batch: 280-125577
Prep Batch: 280-125255
Leach Batch: N/A
Units: ug/L

Instrument ID: MT_033
Lab File ID: 120625aa.txt
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0320	J	0.027	0.20

Lab Control Sample - Batch: 280-125255

Method: 245.1
Preparation: 245.1
Dissolved

Lab Sample ID: LCS 280-125231/2-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1445
Prep Date: 06/25/2012 1200
Leach Date: N/A

Analysis Batch: 280-125577
Prep Batch: 280-125255
Leach Batch: N/A
Units: ug/L

Instrument ID: MT_033
Lab File ID: 120625aa.txt
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.62	92	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 280-125255

Method: 245.1
Preparation: 245.1
Dissolved

MS Lab Sample ID: 280-30333-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1451
Prep Date: 06/25/2012 1200
Leach Date: N/A

Analysis Batch: 280-125577
Prep Batch: 280-125255
Leach Batch: N/A

Instrument ID: MT_033
Lab File ID: 120625aa.txt
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

MSD Lab Sample ID: 280-30333-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1453
Prep Date: 06/25/2012 1200
Leach Date: N/A

Analysis Batch: 280-125577
Prep Batch: 280-125255
Leach Batch: N/A

Instrument ID: MT_033
Lab File ID: 120625aa.txt
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	92	93	80 - 120	1	10		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 280-125255

Method: 245.1

Preparation: 245.1

Dissolved

MS Lab Sample ID: 280-30333-1 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1451
Prep Date: 06/25/2012 1200
Leach Date: N/A

MSD Lab Sample ID: 280-30333-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2012 1453
Prep Date: 06/25/2012 1200
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.031	J	5.00	5.00	4.61	4.67

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125489

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-125489/6	Analysis Batch:	280-125489	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1000	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.042	0.50
Nitrite as N	ND		0.049	0.50

Method Reporting Limit Check - Batch: 280-125489

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-125489/3	Analysis Batch:	280-125489	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0908	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.200	0.212	106	50 - 150	J
Nitrite as N	0.200	0.210	105	50 - 150	J

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 280-125489

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125489/4	Analysis Batch:	280-125489	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0925	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125489/5	Analysis Batch:	280-125489	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0943	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate as N	93	93	90 - 110	0	10		
Nitrite as N	97	97	90 - 110	0	10		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 280-125489

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 280-125489/4 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 0925
Prep Date: N/A
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-125489/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 0943
Prep Date: N/A
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	4.67	4.66
Nitrite as N	5.00	5.00	4.86	4.87

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 280-125489

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 280-30331-G-4 MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1525
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 280-125489
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: WC_IC6
Lab File ID: 129.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 280-30331-G-4 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1543
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 280-125489
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: WC_IC6
Lab File ID: 130.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate as N	98	98	80 - 120	0	20		
Nitrite as N	102	103	80 - 120	1	20		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125489**

**Method: 300.0
Preparation: N/A**

MS Lab Sample ID: 280-30331-G-4 MS Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1525
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 280-30331-G-4 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1543
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N	1.7	5.00	5.00	6.60	6.56
Nitrite as N	1.6	5.00	5.00	6.70	6.74

Duplicate - Batch: 280-125489

**Method: 300.0
Preparation: N/A**

Lab Sample ID: 280-30331-G-4 DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/22/2012 1508
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 280-125489
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: WC_IC6
Lab File ID: 128.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrate as N	1.7	1.52	10	15	
Nitrite as N	1.6	1.66	5	15	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125495

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-125495/6	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1000	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

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: 280-125495

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-125495/3	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0908	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.181	91	50 - 150	J
Chloride	1.00	0.834	83	50 - 150	J
Fluoride	0.200	0.187	94	50 - 150	J
Sulfate	1.00	1.21	121	50 - 150	J

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125495**

**Method: 300.0
Preparation: N/A**

LCS Lab Sample ID:	LCS 280-125495/4	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0925	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125495/5	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0943	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Bromide	92	92	90 - 110	0	10		
Chloride	97	97	90 - 110	0	10		
Fluoride	98	98	90 - 110	0	10		
Sulfate	98	98	90 - 110	0	10		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125495**

**Method: 300.0
Preparation: N/A**

LCS Lab Sample ID:	LCS 280-125495/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125495/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 0925			Analysis Date:	06/22/2012 0943
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.61	4.60
Chloride	25.0	25.0	24.2	24.2
Fluoride	5.00	5.00	4.91	4.91
Sulfate	25.0	25.0	24.5	24.4

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Matrix Spike/

Method: 300.0

Matrix Spike Duplicate Recovery Report - Batch: 280-125495

MS Lab Sample ID:	280-30331-G-4 MS	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	129.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1525			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30331-G-4 MSD	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	130.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1543			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	116	117	80 - 120	0	20		
Chloride	105	106	80 - 120	0	20		E
Fluoride	60	60	80 - 120	0	20	F	F
Sulfate	98	98	80 - 120	0	20	E	E

Matrix Spike/

Method: 300.0

Matrix Spike Duplicate Recovery Report - Batch: 280-125495

MS Lab Sample ID:	280-30331-G-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-30331-G-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1525			Analysis Date:	06/22/2012 1543
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS		MSD	
				Result/Qual		Result/Qual	
Bromide	ND	5.00	5.00	5.82		5.84	
Chloride	24	25.0	25.0	50.0		50.1	E
Fluoride	2.2	5.00	5.00	5.20	F	5.21	F
Sulfate	49	25.0	25.0	73.3	E	73.2	E

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Duplicate - Batch: 280-125495

Method: 300.0

Preparation: N/A

Lab Sample ID:	280-30336-F-1 DU	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	133.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1635	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Bromide	ND	ND	NC	15	
Fluoride	1.1	1.05	0.4	15	
Sulfate	5.1	5.08	1	15	

Duplicate - Batch: 280-125495

Method: 300.0

Preparation: N/A

Lab Sample ID:	280-30336-F-1 DU	Analysis Batch:	280-125495	Instrument ID:	WC_IC6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	147.TXT
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 2037	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	330	345	4	15	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125394

Method: SM 2320B

Preparation: N/A

Lab Sample ID:	MB 280-125394/6	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 0840	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Alkalinity	ND		1.1	5.0
Bicarbonate Alkalinity as CaCO ₃	ND		1.1	5.0
Carbonate Alkalinity as CaCO ₃	ND		1.1	5.0
Hydroxide Alkalinity	ND		1.1	5.0

Lab Control Sample/

Method: SM 2320B

Lab Control Sample Duplicate Recovery Report - Batch: 280-125394

Preparation: N/A

LCS Lab Sample ID:	LCS 280-125394/4	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 0831	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125394/5	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 0836	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	LCS	% Rec.	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
		LCSD					
Total Alkalinity	104	103	90 - 110	1	10		

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125394**

**Method: SM 2320B
Preparation: N/A**

LCS Lab Sample ID: LCS 280-125394/4 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2012 0831
Prep Date: N/A
Leach Date: N/A

LCSD Lab Sample ID: LCSD 280-125394/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2012 0836
Prep Date: N/A
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Alkalinity	200	200	208	206

Duplicate - Batch: 280-125394

**Method: SM 2320B
Preparation: N/A**

Lab Sample ID: 280-30230-A-2 DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2012 1006
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 280-125394
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: WC-AT3
Lab File ID: 062312.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Alkalinity	420	423	0.4	10	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-30333-1

Method Blank - Batch: 280-125960

Method: SM 2510B

Preparation: N/A

Lab Sample ID:	MB 280-125960/5	Analysis Batch:	280-125960	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/28/2012 1108	Units:	umhos/cm	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Specific Conductance	ND		2.0	2.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 280-125960

Method: SM 2510B

Preparation: N/A

LCS Lab Sample ID:	LCS 280-125960/3	Analysis Batch:	280-125960	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/28/2012 1108	Units:	umhos/cm	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125960/4	Analysis Batch:	280-125960	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/28/2012 1108	Units:	umhos/cm	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Specific Conductance	102	101	90 - 110	1	10		

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 280-125960

Method: SM 2510B

Preparation: N/A

LCS Lab Sample ID:	LCS 280-125960/3	Units:	umhos/cm	LCSD Lab Sample ID:	LCSD 280-125960/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/28/2012 1108			Analysis Date:	06/28/2012 1108
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Specific Conductance	1420	1420	1440	1430

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Duplicate - Batch: 280-125960

Method: SM 2510B

Preparation: N/A

Lab Sample ID:	280-30209-B-1 DU	Analysis Batch:	280-125960	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/28/2012 1108	Units:	umhos/cm	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	1500	1470	0.8	10	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-125751

Method: SM 2540C

Preparation: N/A

Lab Sample ID:	MB 280-125751/1	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 280-125751

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125751/3	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Dissolved Solids	94	91	86 - 110	3	20		

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 280-125751

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125751/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0819			Analysis Date:	06/27/2012 0819
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	474	458

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Duplicate - Batch: 280-125751

Method: SM 2540C

Preparation: N/A

Lab Sample ID:	280-30328-A-1 DU	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	6600	6450	2	10	

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 280-125326

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

LCS Lab Sample ID:	LCS 280-125326/5	Analysis Batch:	280-125326	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/23/2012 1158	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125326/16	Analysis Batch:	280-125326	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/23/2012 1219	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
pH	100	100	99 - 101	1	5		

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 280-125326

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

LCS Lab Sample ID:	LCS 280-125326/5	Units:	SU	LCSD Lab Sample ID:	LCSD 280-125326/16
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/23/2012 1158			Analysis Date:	06/23/2012 1219
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
pH	7.00	7.00	6.970	7.010

Duplicate - Batch: 280-125326

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

Lab Sample ID:	280-30378-E-1 DU	Analysis Batch:	280-125326	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/23/2012 1200	Units:	SU	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	8.12	8.180	0.7	5	HF

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Method Blank - Batch: 280-126107

Method: SM 5310B

Preparation: N/A

Lab Sample ID:	MB 280-126107/25	Analysis Batch:	280-126107	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/28/2012 0339	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Average	0.282	J	0.16	1.0

Lab Control Sample/

Method: SM 5310B

Lab Control Sample Duplicate Recovery Report - Batch: 280-126107

Preparation: N/A

LCS Lab Sample ID:	LCS 280-126107/23	Analysis Batch:	280-126107	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/28/2012 0301	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126107/24	Analysis Batch:	280-126107	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/28/2012 0320	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon - Average	98	97	88 - 112	1	15		

Laboratory Control/

Method: SM 5310B

Laboratory Duplicate Data Report - Batch: 280-126107

Preparation: N/A

LCS Lab Sample ID:	LCS 280-126107/23	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126107/24
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/28/2012 0301			Analysis Date:	06/28/2012 0320
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Average	25.0	25.0	24.6	24.3

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126107**

**Method: SM 5310B
Preparation: N/A**

MS Lab Sample ID:	280-30328-B-1 MS	Analysis Batch:	280-126107	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/28/2012 0413			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30328-B-1 MSD	Analysis Batch:	280-126107	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062712.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/28/2012 0509			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon - Average	95	96	88 - 112	1	15		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126107**

**Method: SM 5310B
Preparation: N/A**

MS Lab Sample ID:	280-30328-B-1 MS	Units:	mg/L	MSD Lab Sample ID:	280-30328-B-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/28/2012 0413			Analysis Date:	06/28/2012 0509
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Average	1.5	25.0	25.0	25.4	25.6

DATA REPORTING QUALIFIERS

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	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.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	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.
	F	MS or MSD exceeds the control limits
	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.

DATA REPORTING QUALIFIERS

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Lab Section	Qualifier	Description
General Chemistry	B	Compound was found in the blank and sample.
	HF	Field parameter with a holding time of 15 minutes
	F	MS or MSD exceeds the control limits
	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.

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126426					
LCS 280-126426/5	Lab Control Sample	T	Water	8260B	
LCSD 280-126426/7	Lab Control Sample Duplicate	T	Water	8260B	
MB 280-126426/6	Method Blank	T	Water	8260B	
280-30333-1	HUNT CISTERN	T	Water	8260B	
280-30487-B-1 MS	Matrix Spike	T	Water	8260B	
280-30487-A-1 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 280-125241					
LCS 280-125241/2-A	Lab Control Sample	T	Water	3520C	
LCSD 280-125241/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 280-125241/1-A	Method Blank	T	Water	3520C	
280-30333-1	HUNT CISTERN	T	Water	3520C	
Analysis Batch:280-126328					
LCS 280-125241/2-A	Lab Control Sample	T	Water	8270C	280-125241
LCSD 280-125241/3-A	Lab Control Sample Duplicate	T	Water	8270C	280-125241
MB 280-125241/1-A	Method Blank	T	Water	8270C	280-125241
280-30333-1	HUNT CISTERN	T	Water	8270C	280-125241

Report Basis

T = Total

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:600-83033					
LCS 600-83033/3	Lab Control Sample	T	Water	RSK-175	
MB 600-83033/2	Method Blank	T	Water	RSK-175	
280-30333-1	HUNT CISTERN	T	Water	RSK-175	
280-30378-P-1 MS	Matrix Spike	T	Water	RSK-175	
280-30378-P-1 MSD	Matrix Spike Duplicate	T	Water	RSK-175	
Analysis Batch:280-125437					
LCS 280-125437/3	Lab Control Sample	T	Water	8015B	
LCSD 280-125437/4	Lab Control Sample Duplicate	T	Water	8015B	
MB 280-125437/5	Method Blank	T	Water	8015B	
280-30303-U-3 MS	Matrix Spike	T	Water	8015B	
280-30303-U-3 MSD	Matrix Spike Duplicate	T	Water	8015B	
280-30333-1	HUNT CISTERN	T	Water	8015B	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 280-125259					
LCS 280-125259/2-A	Lab Control Sample	T	Water	3510C	
LCSD 280-125259/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 280-125259/1-A	Method Blank	T	Water	3510C	
280-30303-D-3-A MS	Matrix Spike	T	Water	3510C	
280-30303-F-3-A MSD	Matrix Spike Duplicate	T	Water	3510C	
280-30333-1	HUNT CISTERN	T	Water	3510C	
Analysis Batch:280-125910					
LCS 280-125259/2-A	Lab Control Sample	T	Water	8015B	280-125259
LCSD 280-125259/3-A	Lab Control Sample Duplicate	T	Water	8015B	280-125259
MB 280-125259/1-A	Method Blank	T	Water	8015B	280-125259
280-30303-D-3-A MS	Matrix Spike	T	Water	8015B	280-125259
280-30303-F-3-A MSD	Matrix Spike Duplicate	T	Water	8015B	280-125259
280-30333-1	HUNT CISTERN	T	Water	8015B	280-125259

Report Basis

T = Total

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-125255					
LCS 280-125231/2-B	Lab Control Sample	D	Water	245.1	
MB 280-125231/1-B	Method Blank	D	Water	245.1	
280-30333-1	HUNT CISTERN	D	Water	245.1	
280-30333-1MS	Matrix Spike	D	Water	245.1	
280-30333-1MSD	Matrix Spike Duplicate	D	Water	245.1	
Prep Batch: 280-125463					
LCS 280-125231/2-C	Lab Control Sample	D	Water	200.7	
MB 280-125231/1-C	Method Blank	D	Water	200.7	
280-30333-1	HUNT CISTERN	D	Water	200.7	
280-30333-1MS	Matrix Spike	D	Water	200.7	
280-30333-1MSD	Matrix Spike Duplicate	D	Water	200.7	
Prep Batch: 280-125466					
LCS 280-125420/2-B	Lab Control Sample	D	Water	200.8	
MB 280-125420/1-B	Method Blank	D	Water	200.8	
280-30333-1	HUNT CISTERN	D	Water	200.8	
280-30378-F-1-D MS	Matrix Spike	D	Water	200.8	
280-30378-F-1-E MSD	Matrix Spike Duplicate	D	Water	200.8	
Analysis Batch:280-125550					
MB 280-125550/1	Method Blank	T	Water	20B	
280-30333-1	HUNT CISTERN	T	Water	20B	
Analysis Batch:280-125577					
LCS 280-125231/2-B	Lab Control Sample	D	Water	245.1	280-125255
MB 280-125231/1-B	Method Blank	D	Water	245.1	280-125255
280-30333-1	HUNT CISTERN	D	Water	245.1	280-125255
280-30333-1MS	Matrix Spike	D	Water	245.1	280-125255
280-30333-1MSD	Matrix Spike Duplicate	D	Water	245.1	280-125255
Analysis Batch:280-125764					
LCS 280-125231/2-C	Lab Control Sample	D	Water	200.7 Rev 4.4	280-125463
MB 280-125231/1-C	Method Blank	D	Water	200.7 Rev 4.4	280-125463
280-30333-1	HUNT CISTERN	D	Water	200.7 Rev 4.4	280-125463
280-30333-1MS	Matrix Spike	D	Water	200.7 Rev 4.4	280-125463
280-30333-1MSD	Matrix Spike Duplicate	D	Water	200.7 Rev 4.4	280-125463
Analysis Batch:280-125775					
LCS 280-125420/2-B	Lab Control Sample	D	Water	200.8	280-125466
MB 280-125420/1-B	Method Blank	D	Water	200.8	280-125466
280-30333-1	HUNT CISTERN	D	Water	200.8	280-125466
280-30378-F-1-D MS	Matrix Spike	D	Water	200.8	280-125466
280-30378-F-1-E MSD	Matrix Spike Duplicate	D	Water	200.8	280-125466

TestAmerica Denver

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
---------------	------------------	--------------	---------------	--------	------------

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125326					
LCS 280-125326/5	Lab Control Sample	T	Water	SM 4500 H+ B	
LCSD 280-125326/16	Lab Control Sample Duplicate	T	Water	SM 4500 H+ B	
280-30333-1	HUNT CISTERN	T	Water	SM 4500 H+ B	
280-30378-E-1 DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:280-125394					
LCS 280-125394/4	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125394/5	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125394/6	Method Blank	T	Water	SM 2320B	
280-30230-A-2 DU	Duplicate	T	Water	SM 2320B	
280-30333-1	HUNT CISTERN	T	Water	SM 2320B	
Analysis Batch:280-125489					
LCS 280-125489/4	Lab Control Sample	T	Water	300.0	
LCSD 280-125489/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-125489/6	Method Blank	T	Water	300.0	
280-30331-G-4 DU	Duplicate	T	Water	300.0	
280-30331-G-4 MS	Matrix Spike	T	Water	300.0	
280-30331-G-4 MSD	Matrix Spike Duplicate	T	Water	300.0	
280-30333-1	HUNT CISTERN	T	Water	300.0	
Analysis Batch:280-125495					
LCS 280-125495/4	Lab Control Sample	T	Water	300.0	
LCSD 280-125495/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-125495/6	Method Blank	T	Water	300.0	
280-30331-G-4 MS	Matrix Spike		Water	300.0	
280-30331-G-4 MSD	Matrix Spike Duplicate		Water	300.0	
280-30333-1	HUNT CISTERN	T	Water	300.0	
280-30336-F-1 DU	Duplicate	T	Water	300.0	
Analysis Batch:280-125751					
LCS 280-125751/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125751/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125751/1	Method Blank	T	Water	SM 2540C	
280-30328-A-1 DU	Duplicate	T	Water	SM 2540C	
280-30333-1	HUNT CISTERN	T	Water	SM 2540C	
Analysis Batch:280-125960					
LCS 280-125960/3	Lab Control Sample	T	Water	SM 2510B	
LCSD 280-125960/4	Lab Control Sample Duplicate	T	Water	SM 2510B	
MB 280-125960/5	Method Blank	T	Water	SM 2510B	
280-30209-B-1 DU	Duplicate	T	Water	SM 2510B	
280-30333-1	HUNT CISTERN	T	Water	SM 2510B	

TestAmerica Denver

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126107					
LCS 280-126107/23	Lab Control Sample	T	Water	SM 5310B	
LCSD 280-126107/24	Lab Control Sample Duplicate	T	Water	SM 5310B	
MB 280-126107/25	Method Blank	T	Water	SM 5310B	
280-30328-B-1 MS	Matrix Spike	T	Water	SM 5310B	
280-30328-B-1 MSD	Matrix Spike Duplicate	T	Water	SM 5310B	
280-30333-1	HUNT CISTERN	T	Water	SM 5310B	

Report Basis

T = Total

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Laboratory Chronicle

Lab ID: 280-30333-1

Client ID: HUNT CISTERN

Sample Date/Time: 06/21/2012 11:15

Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30333-M-1		280-126426		06/30/2012 02:16	1	TAL DEN	LMH
A:8260B	280-30333-M-1		280-126426		06/30/2012 02:16	1	TAL DEN	LMH
P:3520C	280-30333-B-1-A		280-126328	280-125241	06/22/2012 14:20	1	TAL DEN	SHO
A:8270C	280-30333-B-1-A		280-126328	280-125241	06/29/2012 14:54	1	TAL DEN	MGH
P:5030B	280-30333-K-1		280-125437		06/22/2012 23:39	1	TAL DEN	AMB
A:8015B	280-30333-K-1		280-125437		06/22/2012 23:39	1	TAL DEN	AMB
A:RSK-175	280-30333-P-1		600-83033		07/02/2012 16:13	1	TAL HOU	JAL
P:3510C	280-30333-C-1-A		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	280-30333-C-1-A		280-125910	280-125259	06/27/2012 18:40	1	TAL DEN	AMP
P:200.7	280-30333-I-1-E		280-125764	280-125463	06/26/2012 14:00	1	TAL DEN	JM
A:200.7 Rev 4.4	280-30333-I-1-E		280-125764	280-125463	06/26/2012 23:45	1	TAL DEN	HEB
P:200.8	280-30333-I-1-H		280-125775	280-125466	06/26/2012 14:00	1	TAL DEN	JM
A:200.8	280-30333-I-1-H		280-125775	280-125466	06/27/2012 00:08	1	TAL DEN	TEL
A:20B	280-30333-I-1		280-125550		06/26/2012 07:10	1	TAL DEN	JKH
P:245.1	280-30333-I-1-B		280-125577	280-125255	06/25/2012 12:00	1	TAL DEN	BLR
A:245.1	280-30333-I-1-B		280-125577	280-125255	06/25/2012 14:49	1	TAL DEN	BLR
A:300.0	280-30333-G-1		280-125489		06/22/2012 16:00	5	TAL DEN	EK
A:300.0	280-30333-G-1		280-125495		06/22/2012 16:00	5	TAL DEN	EK
A:300.0	280-30333-G-1		280-125495		06/22/2012 19:45	10	TAL DEN	EK
A:300.0	280-30333-G-1		280-125495		06/22/2012 20:02	100	TAL DEN	EK
A:SM 2320B	280-30333-E-1		280-125394		06/23/2012 08:49	1	TAL DEN	BMG
A:SM 2510B	280-30333-G-1		280-125960		06/28/2012 11:08	1	TAL DEN	JMH
A:SM 2540C	280-30333-G-1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM 4500 H+ B	280-30333-G-1		280-125326		06/23/2012 12:08	1	TAL DEN	DA
A:SM 5310B	280-30333-H-1		280-126107		06/28/2012 06:41	1	TAL DEN	DFB

Lab ID: 280-30333-1 MS

Client ID: HUNT CISTERN

Sample Date/Time: 06/21/2012 11:15

Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	280-30333-I-1-F MS		280-125764	280-125463	06/26/2012 14:00	1	TAL DEN	JM
A:200.7 Rev 4.4	280-30333-I-1-F MS		280-125764	280-125463	06/26/2012 23:51	1	TAL DEN	HEB
P:245.1	280-30333-I-1-C MS		280-125577	280-125255	06/25/2012 12:00	1	TAL DEN	BLR
A:245.1	280-30333-I-1-C MS		280-125577	280-125255	06/25/2012 14:51	1	TAL DEN	BLR

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Laboratory Chronicle

Lab ID: 280-30333-1 MSD

Client ID: HUNT CISTERN

Sample Date/Time: 06/21/2012 11:15

Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	280-30333-I-1-G MSD		280-125764	280-125463	06/26/2012 14:00	1	TAL DEN	JM
A:200.7 Rev 4.4	280-30333-I-1-G MSD		280-125764	280-125463	06/26/2012 23:54	1	TAL DEN	HEB
P:245.1	280-30333-I-1-D MSD		280-125577	280-125255	06/25/2012 12:00	1	TAL DEN	BLR
A:245.1	280-30333-I-1-D MSD		280-125577	280-125255	06/25/2012 14:53	1	TAL DEN	BLR

Lab ID: 280-30333-1 SD

Client ID: HUNT CISTERN

Sample Date/Time: 06/21/2012 11:15

Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	280-30333-I-1-E SD		280-125764	280-125463	06/26/2012 14:00	5	TAL DEN	JM
A:200.7 Rev 4.4	280-30333-I-1-E SD		280-125764	280-125463	06/26/2012 23:49	5	TAL DEN	HEB

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 280-126426/6		280-126426		06/29/2012 21:47	1	TAL DEN	LMH
A:8260B	MB 280-126426/6		280-126426		06/29/2012 21:47	1	TAL DEN	LMH
P:3520C	MB 280-125241/1-A		280-126328	280-125241	06/22/2012 14:20	1	TAL DEN	SHO
A:8270C	MB 280-125241/1-A		280-126328	280-125241	06/29/2012 11:10	1	TAL DEN	MGH
P:5030B	MB 280-125437/5		280-125437		06/22/2012 13:54	1	TAL DEN	AMB
A:8015B	MB 280-125437/5		280-125437		06/22/2012 13:54	1	TAL DEN	AMB
A:RSK-175	MB 600-83033/2		600-83033		07/02/2012 14:38	1	TAL HOU	JAL
P:3510C	MB 280-125259/1-A		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	MB 280-125259/1-A		280-125910	280-125259	06/27/2012 15:25	1	TAL DEN	AMP
P:200.7	MB 280-125231/1-C		280-125764	280-125463	06/26/2012 14:00	1	TAL DEN	JM
A:200.7 Rev 4.4	MB 280-125231/1-C		280-125764	280-125463	06/26/2012 23:40	1	TAL DEN	HEB
P:200.8	MB 280-125420/1-B		280-125775	280-125466	06/26/2012 14:00	1	TAL DEN	JM
A:200.8	MB 280-125420/1-B		280-125775	280-125466	06/26/2012 23:45	1	TAL DEN	TEL
A:20B	MB 280-125550/1		280-125550		06/26/2012 07:10	1	TAL DEN	JKH
P:245.1	MB 280-125231/1-B		280-125577	280-125255	06/25/2012 12:00	1	TAL DEN	BLR
A:245.1	MB 280-125231/1-B		280-125577	280-125255	06/25/2012 14:42	1	TAL DEN	BLR
A:300.0	MB 280-125489/6		280-125489		06/22/2012 10:00	1	TAL DEN	EK
A:300.0	MB 280-125495/6		280-125495		06/22/2012 10:00	1	TAL DEN	EK
A:SM 2320B	MB 280-125394/6		280-125394		06/23/2012 08:40	1	TAL DEN	BMG
A:SM 2510B	MB 280-125960/5		280-125960		06/28/2012 11:08	1	TAL DEN	JMH
A:SM 2540C	MB 280-125751/1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM 5310B	MB 280-126107/25		280-126107		06/28/2012 03:39	1	TAL DEN	DFB

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

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 280-126426/5		280-126426		06/29/2012 21:27	1	TAL DEN	LMH
A:8260B	LCS 280-126426/5		280-126426		06/29/2012 21:27	1	TAL DEN	LMH
P:3520C	LCS 280-125241/2-A		280-126328	280-125241	06/22/2012 14:20	1	TAL DEN	SHO
A:8270C	LCS 280-125241/2-A		280-126328	280-125241	06/29/2012 11:31	1	TAL DEN	MGH
P:5030B	LCS 280-125437/3		280-125437		06/22/2012 12:47	1	TAL DEN	AMB
A:8015B	LCS 280-125437/3		280-125437		06/22/2012 12:47	1	TAL DEN	AMB
A:RSK-175	LCS 600-83033/3		600-83033		07/02/2012 14:52	1	TAL HOU	JAL
P:3510C	LCS 280-125259/2-A		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	LCS 280-125259/2-A		280-125910	280-125259	06/27/2012 15:49	1	TAL DEN	AMP
P:200.7	LCS 280-125231/2-C		280-125764	280-125463	06/26/2012 14:00	1	TAL DEN	JM
A:200.7 Rev 4.4	LCS 280-125231/2-C		280-125764	280-125463	06/26/2012 23:43	1	TAL DEN	HEB
P:200.8	LCS 280-125420/2-B		280-125775	280-125466	06/26/2012 14:00	1	TAL DEN	JM
A:200.8	LCS 280-125420/2-B		280-125775	280-125466	06/26/2012 23:48	1	TAL DEN	TEL
P:245.1	LCS 280-125231/2-B		280-125577	280-125255	06/25/2012 12:00	1	TAL DEN	BLR
A:245.1	LCS 280-125231/2-B		280-125577	280-125255	06/25/2012 14:45	1	TAL DEN	BLR
A:300.0	LCS 280-125489/4		280-125489		06/22/2012 09:25	1	TAL DEN	EK
A:300.0	LCS 280-125495/4		280-125495		06/22/2012 09:25	1	TAL DEN	EK
A:SM 2320B	LCS 280-125394/4		280-125394		06/23/2012 08:31	1	TAL DEN	BMG
A:SM 2510B	LCS 280-125960/3		280-125960		06/28/2012 11:08	1	TAL DEN	JMH
A:SM 2540C	LCS 280-125751/2		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM 4500 H+ B	LCS 280-125326/5		280-125326		06/23/2012 11:58	1	TAL DEN	DA
A:SM 5310B	LCS 280-126107/23		280-126107		06/28/2012 03:01	1	TAL DEN	DFB

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

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 280-126426/7		280-126426		06/29/2012 23:17	1	TAL DEN	LMH
A:8260B	LCSD 280-126426/7		280-126426		06/29/2012 23:17	1	TAL DEN	LMH
P:3520C	LCSD 280-125241/3-A		280-126328	280-125241	06/22/2012 14:20	1	TAL DEN	SHO
A:8270C	LCSD 280-125241/3-A		280-126328	280-125241	06/29/2012 11:51	1	TAL DEN	MGH
P:5030B	LCSD 280-125437/4		280-125437		06/22/2012 13:20	1	TAL DEN	AMB
A:8015B	LCSD 280-125437/4		280-125437		06/22/2012 13:20	1	TAL DEN	AMB
P:3510C	LCSD 280-125259/3-A		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	LCSD 280-125259/3-A		280-125910	280-125259	06/27/2012 16:13	1	TAL DEN	AMP
A:300.0	LCSD 280-125489/5		280-125489		06/22/2012 09:43	1	TAL DEN	EK
A:300.0	LCSD 280-125495/5		280-125495		06/22/2012 09:43	1	TAL DEN	EK
A:SM 2320B	LCSD 280-125394/5		280-125394		06/23/2012 08:36	1	TAL DEN	BMG
A:SM 2510B	LCSD 280-125960/4		280-125960		06/28/2012 11:08	1	TAL DEN	JMH
A:SM 2540C	LCSD 280-125751/3		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM 4500 H+ B	LCSD 280-125326/16		280-125326		06/23/2012 12:19	1	TAL DEN	DA
A:SM 5310B	LCSD 280-126107/24		280-126107		06/28/2012 03:20	1	TAL DEN	DFB

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 280-125489/3		280-125489		06/22/2012 09:08	1	TAL DEN	EK
A:300.0	MRL 280-125495/3		280-125495		06/22/2012 09:08	1	TAL DEN	EK

Lab ID: MS

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	280-30487-B-1 MS		280-126426		06/30/2012 00:39	1	TAL DEN	LMH
A:8260B	280-30487-B-1 MS		280-126426		06/30/2012 00:39	1	TAL DEN	LMH
P:5030B	280-30303-U-3 MS		280-125437		06/22/2012 16:54	1	TAL DEN	AMB
A:8015B	280-30303-U-3 MS		280-125437		06/22/2012 16:54	1	TAL DEN	AMB
A:RSK-175	280-30378-P-1 MS		600-83033		07/02/2012 17:29	1	TAL HOU	JAL
P:3510C	280-30303-D-3-A MS		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	280-30303-D-3-A MS		280-125910	280-125259	06/27/2012 17:27	1	TAL DEN	AMP
P:200.8	280-30378-F-1-D MS		280-125775	280-125466	06/26/2012 14:00	1	TAL DEN	JM
A:200.8	280-30378-F-1-D MS		280-125775	280-125466	06/26/2012 23:54	1	TAL DEN	TEL
A:300.0	280-30331-G-4 MS		280-125489		06/22/2012 15:25	1	TAL DEN	EK
A:300.0	280-30331-G-4 MS		280-125495		06/22/2012 15:25	1	TAL DEN	EK
A:SM 5310B	280-30328-B-1 MS		280-126107		06/28/2012 04:13	1	TAL DEN	DFB

TestAmerica Denver

A = Analytical Method P = Prep Method

Quality Control Results

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Laboratory Chronicle

Lab ID: MSD

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	280-30487-A-1 MSD		280-126426		06/30/2012 00:58	1	TAL DEN	LMH
A:8260B	280-30487-A-1 MSD		280-126426		06/30/2012 00:58	1	TAL DEN	LMH
P:5030B	280-30303-U-3 MSD		280-125437		06/22/2012 17:28	1	TAL DEN	AMB
A:8015B	280-30303-U-3 MSD		280-125437		06/22/2012 17:28	1	TAL DEN	AMB
A:RSK-175	280-30378-P-1 MSD		600-83033		07/02/2012 17:46	1	TAL HOU	JAL
P:3510C	280-30303-F-3-A MSD		280-125910	280-125259	06/22/2012 16:58	1	TAL DEN	SPF
A:8015B	280-30303-F-3-A MSD		280-125910	280-125259	06/27/2012 17:51	1	TAL DEN	AMP
P:200.8	280-30378-F-1-E MSD		280-125775	280-125466	06/26/2012 14:00	1	TAL DEN	JM
A:200.8	280-30378-F-1-E MSD		280-125775	280-125466	06/26/2012 23:57	1	TAL DEN	TEL
A:300.0	280-30331-G-4 MSD		280-125489		06/22/2012 15:43	1	TAL DEN	EK
A:300.0	280-30331-G-4 MSD		280-125495		06/22/2012 15:43	1	TAL DEN	EK
A:SM 5310B	280-30328-B-1 MSD		280-126107		06/28/2012 05:09	1	TAL DEN	DFB

Lab ID: DU

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	280-30331-G-4 DU		280-125489		06/22/2012 15:08	1	TAL DEN	EK
A:300.0	280-30336-F-1 DU		280-125495		06/22/2012 16:35	1	TAL DEN	EK
A:300.0	280-30336-F-1 DU		280-125495		06/22/2012 20:37	10	TAL DEN	EK
A:SM 2320B	280-30230-A-2 DU		280-125394		06/23/2012 10:06	1	TAL DEN	BMG
A:SM 2510B	280-30209-B-1 DU		280-125960		06/28/2012 11:08	1	TAL DEN	JMH
A:SM 2540C	280-30328-A-1 DU		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM 4500 H+ B	280-30378-E-1 DU		280-125326		06/23/2012 12:00	1	TAL DEN	DA

Lab References:

TAL DEN = TestAmerica Denver

TAL HOU = TestAmerica Houston

Certification Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: Hunt Residence Silt, CO

TestAmerica Job ID: 280-30333-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Oklahoma	State Program	6	9503
TestAmerica Houston	Texas	NELAC	6	T104704223-10-6-TX
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAC	8	GULF

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1

Matrix: Water Lab File ID: P9189.D

Analysis Method: 8260B Date Collected: 06/21/2012 11:15

Sample wt/vol: 20 (mL) Date Analyzed: 06/30/2012 02:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 (60.25) ID: 0.25 (mm)

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

Analysis Batch No.: 126426 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.21
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.27
75-34-3	1,1-Dichloroethane	ND		1.0	0.22
75-35-4	1,1-Dichloroethene	ND		1.0	0.23
563-58-6	1,1-Dichloropropene	ND		1.0	0.19
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.21
96-18-4	1,2,3-Trichloropropane	ND		2.5	0.33
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.21
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.47
106-93-4	1,2-Dibromoethane	ND		1.0	0.18
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
107-06-2	1,2-Dichloroethane	ND		1.0	0.13
540-59-0	1,2-Dichloroethene, Total	ND		1.0	0.24
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.16
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.13
142-28-9	1,3-Dichloropropane	ND		1.0	0.22
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.16
594-20-7	2,2-Dichloropropane	ND		1.0	0.18
78-93-3	2-Butanone (MEK)	ND		6.0	2.0
95-49-8	2-Chlorotoluene	ND		1.0	0.17
591-78-6	2-Hexanone	ND		5.0	1.7
106-43-4	4-Chlorotoluene	ND		1.0	0.21
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98
67-64-1	Acetone	ND		10	1.9
71-43-2	Benzene	ND		1.0	0.16
108-86-1	Bromobenzene	ND		1.0	0.17
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		2.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.19
108-90-7	Chlorobenzene	ND		1.0	0.17
74-97-5	Chlorobromomethane	ND		1.0	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1

Matrix: Water Lab File ID: P9189.D

Analysis Method: 8260B Date Collected: 06/21/2012 11:15

Sample wt/vol: 20 (mL) Date Analyzed: 06/30/2012 02:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 (60.25) ID: 0.25 (mm)

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

Analysis Batch No.: 126426 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		1.0	0.17
75-00-3	Chloroethane	ND		2.0	0.41
67-66-3	Chloroform	ND		1.0	0.16
74-87-3	Chloromethane	ND		2.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
74-95-3	Dibromomethane	ND		1.0	0.17
75-27-4	Dichlorobromomethane	ND		1.0	0.17
75-71-8	Dichlorodifluoromethane	ND		2.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.16
87-68-3	Hexachlorobutadiene	ND		1.0	0.36
98-82-8	Isopropylbenzene	ND		1.0	0.19
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.25
75-09-2	Methylene Chloride	0.49	J B	2.0	0.32
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.34
91-20-3	Naphthalene	ND		1.0	0.22
104-51-8	n-Butylbenzene	ND		1.0	0.32
103-65-1	N-Propylbenzene	ND		1.0	0.16
95-47-6	o-Xylene	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		1.0	0.17
100-42-5	Styrene	ND		1.0	0.17
98-06-6	tert-Butylbenzene	ND		1.0	0.16
127-18-4	Tetrachloroethene	ND		1.0	0.20
108-88-3	Toluene	ND		1.0	0.17
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	ND		3.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.16
75-69-4	Trichlorofluoromethane	ND		2.0	0.29
75-01-4	Vinyl chloride	ND		1.0	0.10
1330-20-7	Xylenes, Total	ND		2.0	0.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1
SDG No.: _____
Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1
Matrix: Water Lab File ID: P9189.D
Analysis Method: 8260B Date Collected: 06/21/2012 11:15
Sample wt/vol: 20 (mL) Date Analyzed: 06/30/2012 02:16
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 (60.25) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 126426 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-127
460-00-4	4-Bromofluorobenzene (Surr)	110		78-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-120
2037-26-5	Toluene-d8 (Surr)	102		80-125

Laboratory Name

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\P.i\062912P.B\P9189.D
 Lab Smp Id: 280-30333-M-1 Client Smp ID: HUNT CISTERN
 Inj Date : 30-JUN-2012 02:16
 Operator : HUBBSL Inst ID: P.i
 Smp Info : 280-30333-m-1,,PH<2 AF
 Misc Info : 280-30333-M-1
 Comment :
 Method : \\DenSvr03\Public\chem\MSV\P.i\062912P.B\8260B-H2O.m
 Meth Date : 30-Jun-2012 00:15 P.i Quant Type: ISTD
 Cal Date : 13-JUN-2012 09:17 Cal File: P8651.D
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TALS.sub
 Target Version: 4.14
 Processing Host: DENPC252

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

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG							CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
								(ug/L)	(ug/L)
* 70 Fluorobenzene	96		7.968	7.974 (1.000)		2337687		12.5000	
* 96 Chlorobenzene-d5	119		10.220	10.227 (1.000)		442917		12.5000	
* 122 1,4-Dichlorobenzene-d4	152		12.100	12.107 (1.000)		557902		12.5000	(Q)
\$ 59 Dibromofluoromethane (Surr)	111		7.417	7.424 (0.931)		461543		12.7744	12.7744
\$ 65 1,2-Dichloroethane-d4	65		7.717	7.724 (0.969)		377928		11.7047	11.7047
\$ 84 Toluene-d8	98		9.126	9.126 (0.893)		2149087		13.2721	13.2721
\$ 107 4-Bromofluorobenzene (Surr)	95		11.099	11.106 (0.917)		624255		14.2454	14.2454
M 1 1,2-Dichloroethene (total)	96		Compound Not Detected.						
M 2 Xylene (total)	106		Compound Not Detected.						
5 dichlorodifluoromethane	85		Compound Not Detected.						
6 1,2-Dichlorotetrafluoroethane	85		Compound Not Detected.						
7 Chloromethane	50		Compound Not Detected.						
8 Vinyl Chloride	62		Compound Not Detected.						
9 Ethylene Oxide	43		Compound Not Detected.						
10 Bromomethane	94		Compound Not Detected.						
11 Chloroethane	64		Compound Not Detected.						
12 Dichlorofluoromethane	67		Compound Not Detected.						
14 Trichlorofluoromethane	101		Compound Not Detected.						
13 Ethanol	45		Compound Not Detected.						
15 1,2-dichloro-1,1,2-trifluoroe	117		Compound Not Detected.						
17 Ethyl Ether	59		Compound Not Detected.						
16 2,2-dichloro-1,1,1-trifluoroe	83		Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
19 Acrolein	56				Compound Not Detected.		
20 Acetone	43				Compound Not Detected.		
21 Trichlorotrifluoroethane	151				Compound Not Detected.		
22 2-propanol	45				Compound Not Detected.		
23 1,1-Dichloroethene	96				Compound Not Detected.		
27 Iodomethane	142				Compound Not Detected.		
26 Acetonitrile	41				Compound Not Detected.		
28 Methyl Acetate	43				Compound Not Detected.		
31 Carbon Disulfide	76				Compound Not Detected.		
29 Allyl Chloride	41				Compound Not Detected.		
30 tert-Butyl alcohol	59				Compound Not Detected.		
33 Methylene Chloride	84	6.080	6.086	(0.763)	21994	0.48728	0.487278(a)
34 Acrylonitrile	53				Compound Not Detected.		
35 Methyl t-butyl ether	73				Compound Not Detected.		
36 trans-1,2-Dichloroethene	96				Compound Not Detected.		
40 Hexane	57				Compound Not Detected.		
42 Vinyl acetate	43				Compound Not Detected.		
43 sec-Butyl Alcohol	45				Compound Not Detected.		
44 Isopropyl ether	87				Compound Not Detected.		
45 1,1-Dichloroethane	63				Compound Not Detected.		
47 Chloroprene	53				Compound Not Detected.		
49 ETBE	59				Compound Not Detected.		
51 2-Butanone	43				Compound Not Detected.		
50 Ethyl Acetate	43				Compound Not Detected.		
53 cis-1,2-Dichloroethene	96				Compound Not Detected.		
52 Propionitrile	54				Compound Not Detected.		
54 2,2-Dichloropropane	77				Compound Not Detected.		
55 Methacrylonitrile	41				Compound Not Detected.		
56 Bromochloromethane	128				Compound Not Detected.		
57 Chloroform	83				Compound Not Detected.		
58 Tetrahydrofuran	42				Compound Not Detected.		
61 1,1,1-Trichloroethane	97				Compound Not Detected.		
60 Isobutanol	41				Compound Not Detected.		
62 Cyclohexane	56				Compound Not Detected.		
63 1,1-Dichloropropene	75				Compound Not Detected.		
64 Carbon Tetrachloride	117				Compound Not Detected.		
66 1,2-Dichloroethane	62				Compound Not Detected.		
68 Benzene	78				Compound Not Detected.		
67 TAME	73				Compound Not Detected.		
69 n-Butanol	56				Compound Not Detected.		
72 Trichloroethene	130				Compound Not Detected.		
73 2-Pentanone	43				Compound Not Detected.		
74 Methyl Methacrylate	100				Compound Not Detected.		
75 1,2-Dichloropropane	63				Compound Not Detected.		
76 Methyl Cyclohexane	55				Compound Not Detected.		
77 1,4-Dioxane	88				Compound Not Detected.		
78 Dibromomethane	93				Compound Not Detected.		
79 Bromodichloromethane	83				Compound Not Detected.		
80 2-nitropropane	41				Compound Not Detected.		
81 2-Chloroethyl vinyl ether	63				Compound Not Detected.		
82 cis-1,3-Dichloropropene	75				Compound Not Detected.		
83 4-Methyl-2-pentanone	43				Compound Not Detected.		
85 Toluene	91				Compound Not Detected.		
87 trans-1,3-Dichloropropene	75				Compound Not Detected.		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
86 Ethyl methacrylate	69				Compound Not Detected.		
88 1,1,2-Trichloroethane	97				Compound Not Detected.		
89 2-Hexanone	43				Compound Not Detected.		
90 1,3-Dichloropropane	76				Compound Not Detected.		
91 Tetrachloroethene	164				Compound Not Detected.		
92 Dibromochloromethane	129				Compound Not Detected.		
93 Tetrahydrothiophene	60				Compound Not Detected.		
94 1,2-Dibromoethane	107				Compound Not Detected.		
95 1-Chlorohexane	91				Compound Not Detected.		
97 Chlorobenzene	112				Compound Not Detected.		
98 1,1,1,2-Tetrachloroethane	131				Compound Not Detected.		
99 Ethylbenzene	106				Compound Not Detected.		
100 m and p-Xylene	106				Compound Not Detected.		
102 o-Xylene	106				Compound Not Detected.		
101 Styrene	104				Compound Not Detected.		
103 Bromoform	173				Compound Not Detected.		
104 isopropyl benzene	105				Compound Not Detected.		
105 cis-1,4-dichloro-2-butene	53				Compound Not Detected.		
106 Cyclohexanone	55				Compound Not Detected.		
108 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
109 t-1,4-Dichloro-2-butene	53				Compound Not Detected.		
110 1,2,3-Trichloropropane	110				Compound Not Detected.		
112 Bromobenzene	156				Compound Not Detected.		
111 n-Propylbenzene	120				Compound Not Detected.		
114 2-Chlorotoluene	126				Compound Not Detected.		
113 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
115 4-Chlorotoluene	126				Compound Not Detected.		
116 tert-Butylbenzene	119				Compound Not Detected.		
117 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
119 sec-Butylbenzene	134				Compound Not Detected.		
120 4-Isopropyltoluene	119				Compound Not Detected.		
121 1,3-Dichlorobenzene	146				Compound Not Detected.		
123 1,4-dichlorobenzene	146				Compound Not Detected.		
124 1,2,3-Trimethylbenzene	105				Compound Not Detected.		
125 n-Butylbenzene	91				Compound Not Detected.		
127 1,2-Dichlorobenzene	146				Compound Not Detected.		
128 1,2-Dibromo-3-chloropropane	157				Compound Not Detected.		
130 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
131 Hexachlorobutadiene	225				Compound Not Detected.		
132 Naphthalene	128				Compound Not Detected.		
133 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: P9189.D

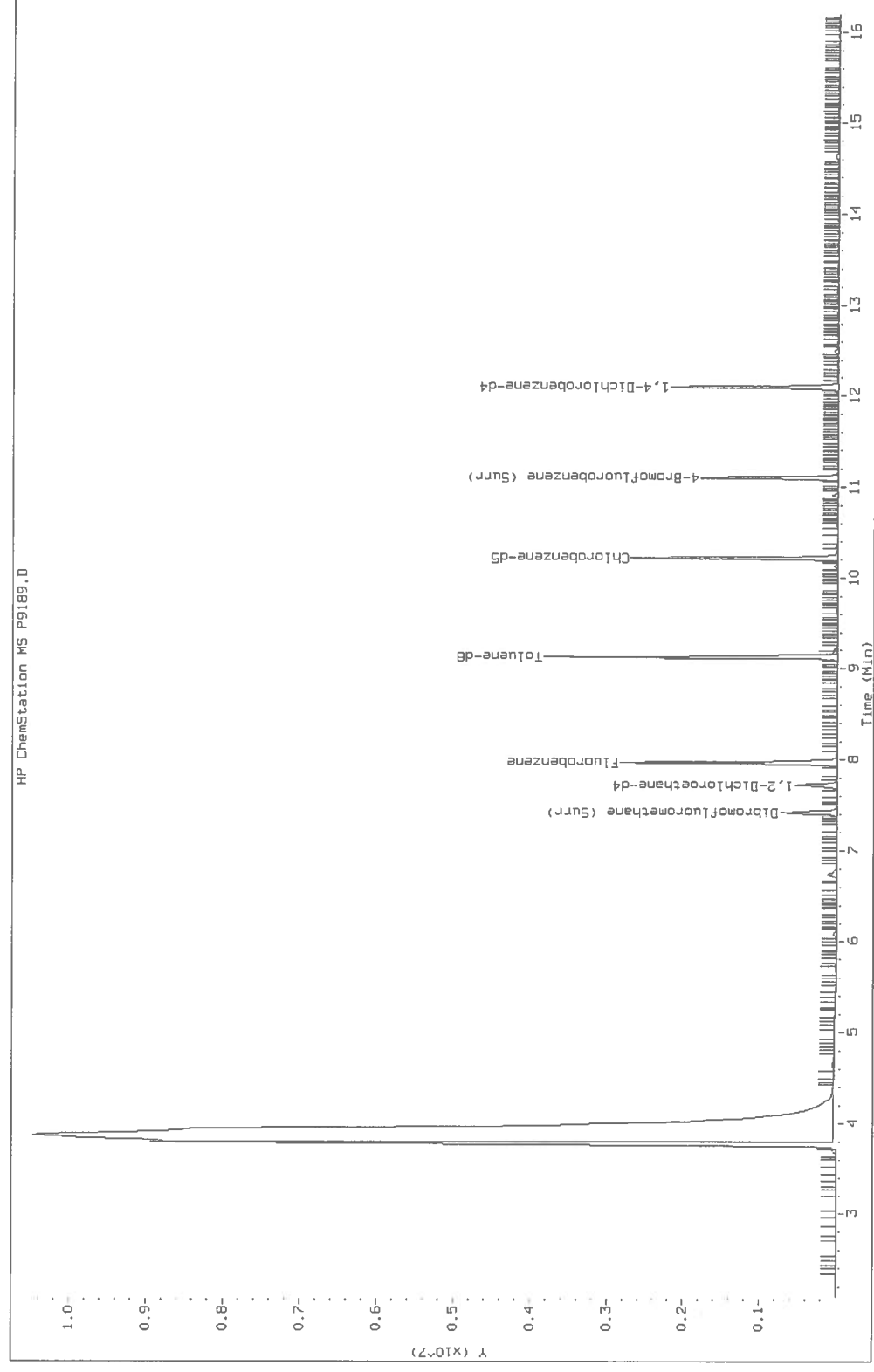
Date: 30-JUN-2012 02:16

Client ID: HUNT CISTERN

Sample Info: 280-30333-m-1,,PH<2 AF

Instrument: P.i

Operator: HUBBSL



Data File: P9189.D

Date: 30-JUN-2012 02:16

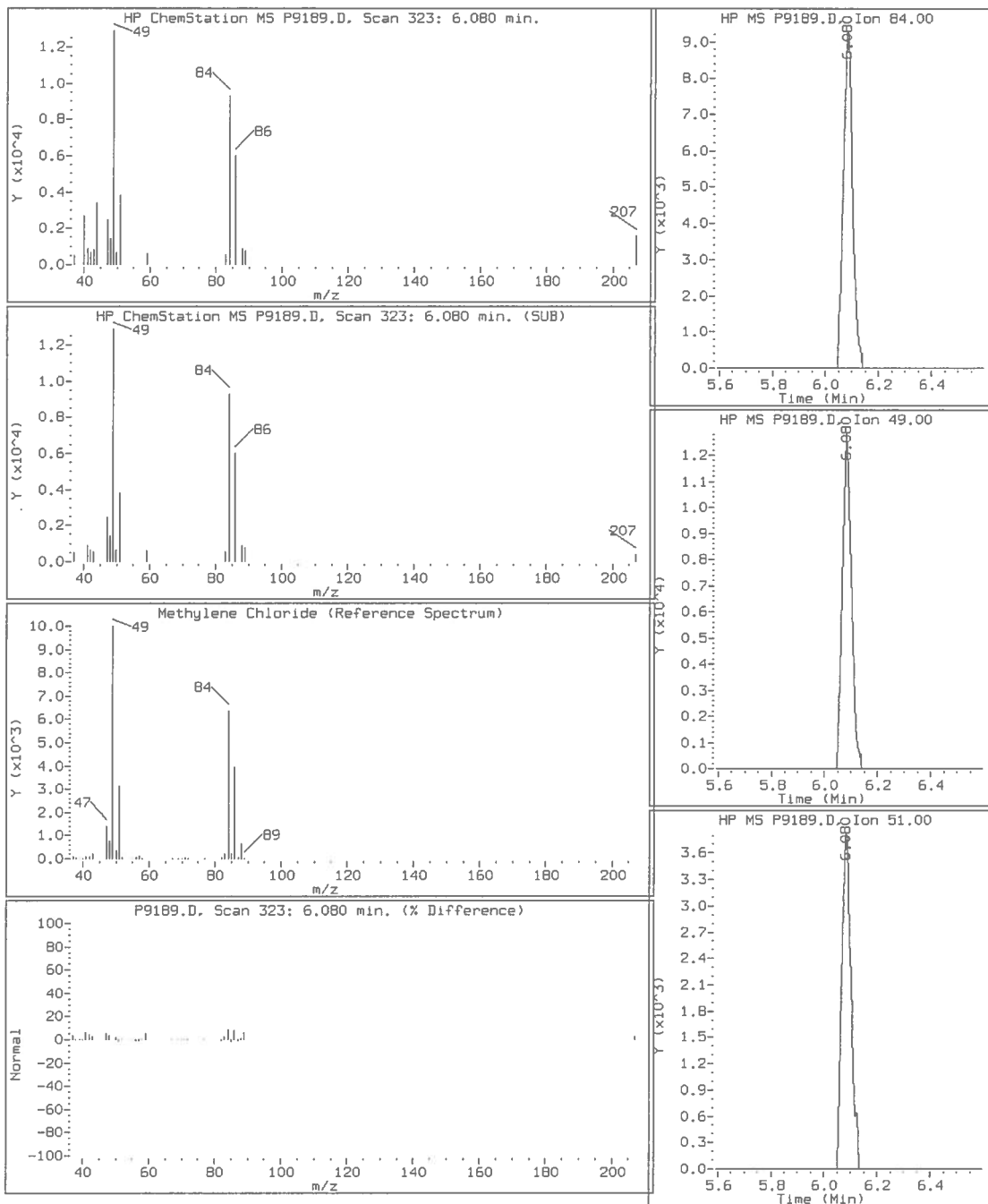
Client ID: HUNT CISTERN

Instrument: P.i

Sample Info: 280-30333-m-1,,PH<2 AF

Operator: HUBBSL

33 Methylene Chloride



Method 8270C

Semivolatile Organic Compounds
(GC/MS) by Method 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1

Matrix: Water Lab File ID: Y8518.D

Analysis Method: 8270C Date Collected: 06/21/2012 11:15

Extract. Method: 3520C Date Extracted: 06/22/2012 14:20

Sample wt/vol: 1056.5 (mL) Date Analyzed: 06/29/2012 14:54

Con. Extract Vol.: 1000 (uL) Dilution Factor: 1

Injection Volume: 0.5 (uL) Level: (low/med) Low

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

Analysis Batch No.: 126328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-60-1	2,2'-oxybis[1-chloropropane]	ND		9.5	0.27
95-95-4	2,4,5-Trichlorophenol	ND		9.5	0.43
88-06-2	2,4,6-Trichlorophenol	ND		9.5	0.27
120-83-2	2,4-Dichlorophenol	ND		9.5	0.61
105-67-9	2,4-Dimethylphenol	ND		9.5	0.55
51-28-5	2,4-Dinitrophenol	ND		28	9.5
121-14-2	2,4-Dinitrotoluene	ND		9.5	1.6
606-20-2	2,6-Dinitrotoluene	ND		9.5	1.8
91-58-7	2-Chloronaphthalene	ND		3.8	0.25
95-57-8	2-Chlorophenol	ND		9.5	1.9
91-57-6	2-Methylnaphthalene	ND		3.8	0.27
95-48-7	2-Methylphenol	ND		9.5	0.93
88-74-4	2-Nitroaniline	ND		9.5	1.6
88-75-5	2-Nitrophenol	ND		9.5	0.37
15831-10-4	3 & 4 Methylphenol	ND		9.5	0.24
91-94-1	3,3'-Dichlorobenzidine	ND		47	1.9
99-09-2	3-Nitroaniline	ND		9.5	1.9
534-52-1	4,6-Dinitro-2-methylphenol	ND		47	3.8
101-55-3	4-Bromophenyl phenyl ether	ND		9.5	0.41
59-50-7	4-Chloro-3-methylphenol	ND		9.5	2.3
106-47-8	4-Chloroaniline	ND		9.5	2.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		9.5	1.6
100-01-6	4-Nitroaniline	ND		9.5	1.9
100-02-7	4-Nitrophenol	ND		9.5	1.2
83-32-9	Acenaphthene	ND		3.8	0.27
208-96-8	Acenaphthylene	ND		3.8	0.46
98-86-2	Acetophenone	ND		9.5	0.23
120-12-7	Anthracene	ND		3.8	0.40
1912-24-9	Atrazine	ND		9.5	0.69
92-87-5	Benzidine	ND		95	47
56-55-3	Benzo[a]anthracene	ND		3.8	0.33
50-32-8	Benzo[a]pyrene	ND		3.8	0.29
205-99-2	Benzo[b]fluoranthene	ND		3.8	0.50
191-24-2	Benzo[g,h,i]perylene	ND		3.8	0.47

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1

SDG No.: _____

Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1

Matrix: Water Lab File ID: Y8518.D

Analysis Method: 8270C Date Collected: 06/21/2012 11:15

Extract. Method: 3520C Date Extracted: 06/22/2012 14:20

Sample wt/vol: 1056.5(mL) Date Analyzed: 06/29/2012 14:54

Con. Extract Vol.: 1000(uL) Dilution Factor: 1

Injection Volume: 0.5(uL) Level: (low/med) Low

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

Analysis Batch No.: 126328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	ND		3.8	0.44
111-91-1	Bis(2-chloroethoxy)methane	ND		9.5	0.92
111-44-4	Bis(2-chloroethyl)ether	ND		9.5	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	ND		9.5	0.53
85-68-7	Butyl benzyl phthalate	ND		3.8	0.95
105-60-2	Caprolactam	ND		9.5	4.7
86-74-8	Carbazole	ND		3.8	0.41
218-01-9	Chrysene	ND		3.8	0.51
1319-77-3	Cresols, Total	ND		9.5	0.24
53-70-3	Dibenz(a,h)anthracene	ND		3.8	0.48
132-64-9	Dibenzofuran	ND		3.8	0.27
84-66-2	Diethyl phthalate	ND		3.8	0.36
131-11-3	Dimethyl phthalate	ND		3.8	0.20
84-74-2	Di-n-butyl phthalate	ND		3.8	1.1
117-84-0	Di-n-octyl phthalate	ND		3.8	0.33
206-44-0	Fluoranthene	ND		3.8	0.19
86-73-7	Fluorene	ND		3.8	0.29
118-74-1	Hexachlorobenzene	ND		9.5	0.62
87-68-3	Hexachlorobutadiene	ND		9.5	3.1
77-47-4	Hexachlorocyclopentadiene	ND		47	9.5
67-72-1	Hexachloroethane	ND		9.5	2.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		3.8	0.62
91-20-3	Naphthalene	ND		3.8	0.27
98-95-3	Nitrobenzene	ND		9.5	0.77
621-64-7	N-Nitrosodi-n-propylamine	ND		9.5	0.33
86-30-6	n-Nitrosodiphenylamine (as diphenylamine)	ND		9.5	0.42
87-86-5	Pentachlorophenol	ND		47	19
85-01-8	Phenanthrene	ND		3.8	0.25
108-95-2	Phenol	ND		9.5	1.9
129-00-0	Pyrene	ND		9.5	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1
SDG No.: _____
Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1
Matrix: Water Lab File ID: Y8518.D
Analysis Method: 8270C Date Collected: 06/21/2012 11:15
Extract. Method: 3520C Date Extracted: 06/22/2012 14:20
Sample wt/vol: 1056.5(mL) Date Analyzed: 06/29/2012 14:54
Con. Extract Vol.: 1000(uL) Dilution Factor: 1
Injection Volume: 0.5(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 126328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	117		57-120
321-60-8	2-Fluorobiphenyl	89		38-120
367-12-4	2-Fluorophenol	88		51-120
4165-60-0	Nitrobenzene-d5	92		48-120
4165-62-2	Phenol-d5	93		51-120
1718-51-0	Terphenyl-d14	105		50-120

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\062912a.b\Y8518.D
Lab Smp Id: 280-30333-B-1-A Client Smp ID: HUNT CISTERN
Inj Date : 29-JUN-2012 14:54
Operator : hoffmanm Inst ID: Y.i
Smp Info : 280-30333-b-1-a
Misc Info : 280-30333-B-1-A
Comment : 8270C / 625
Method : \\DenSvr03\Public\chem\MSS\Y.i\062912a.b\8270C.m
Meth Date : 02-Jul-2012 10:16 hoffmanm Quant Type: ISTD
Cal Date : 27-JUN-2012 08:25 Cal File: Y8404.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC246

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1056.500	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
						(ug/ml)	(ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.661	4.666	(1.000)	338003	40.0000	
* 58 Naphthalene-d8	136	5.889	5.900	(1.000)	1326245	40.0000	
* 96 Acenaphthene-d10	164	7.616	7.627	(1.000)	810580	40.0000	
* 135 Phenanthrene-d10	188	8.979	8.990	(1.000)	1444260	40.0000	
* 166 Chrysene-d12	240	11.271	11.287	(1.000)	1576604	40.0000	
* 179 Perylene-d12	264	12.587	12.615	(1.000)	1531888	40.0000	
\$ 8 2-Fluorophenol	112	3.462	3.463	(0.743)	1393657	131.486	124.454
\$ 15 Phenol-d5	99	4.285	4.291	(0.919)	1917537	139.955	132.470
\$ 43 Nitrobenzene-d5	82	5.190	5.196	(0.881)	1208843	91.5333	86.6382
\$ 81 2-Fluorobiphenyl	172	6.935	6.947	(0.911)	2301265	88.9955	84.2362
\$ 118 2,4,6-Tribromophenol	330	8.351	8.369	(1.096)	708997	175.777	166.377
\$ 154 Terphenyl-d14	244	10.325	10.349	(0.916)	3356417	105.420	99.7822
\$ 29 1,2-Dichlorobenzene-d4	152	4.814	4.820	(1.033)	696483	84.8855	80.3459
\$ 22 2-Chlorophenol-d4	132	4.455	4.456	(0.956)	1613863	142.593	134.968
4 1,4-Dioxane	88	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
27 1,4-Dichlorobenzene	146				Compound Not Detected.		
28 Benzyl alcohol	108	4.778	4.779	(1.025)	1677	0.22971	0.217428 (aQ)
30 1,2-Dichlorobenzene	146				Compound Not Detected.		
32 2-Methylphenol	108				Compound Not Detected.		
34 2,2'-oxybis(1-chloropropane)	45				Compound Not Detected.		
138 3-Methylphenol	108				Compound Not Detected.		
36 4-Methylphenol	108				Compound Not Detected.		
139 3 & 4-Methylphenol	108				Compound Not Detected.		
37 N-nitrosodi-n-propylamine	70				Compound Not Detected.		
41 Hexachloroethane	117				Compound Not Detected.		
44 Nitrobenzene	77				Compound Not Detected.		
47 Isophorone	82				Compound Not Detected.		
49 2-Nitrophenol	139				Compound Not Detected.		
50 2,4-Dimethylphenol	107				Compound Not Detected.		
52 Bis(2-chloroethoxy)methane	93				Compound Not Detected.		
53 Benzoic acid	122				Compound Not Detected.		
54 2,4-Dichlorophenol	162				Compound Not Detected.		
57 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
59 Naphthalene	128				Compound Not Detected.		
60 4-Chloroaniline	127				Compound Not Detected.		
62 Hexachlorobutadiene	225				Compound Not Detected.		
68 4-Chloro-3-methylphenol	107				Compound Not Detected.		
71 2-Methylnaphthalene	142				Compound Not Detected.		
72 1-Methylnaphthalene	142				Compound Not Detected.		
74 Hexachlorocyclopentadiene	237				Compound Not Detected.		
78 2,4,6-Trichlorophenol	196				Compound Not Detected.		
80 2,4,5-Trichlorophenol	196				Compound Not Detected.		
86 2-Chloronaphthalene	162				Compound Not Detected.		
88 2-Nitroaniline	65				Compound Not Detected.		
91 Dimethyl phthalate	163				Compound Not Detected.		
93 2,6-Dinitrotoluene	165				Compound Not Detected.		
94 Acenaphthylene	152				Compound Not Detected.		
95 3-Nitroaniline	138				Compound Not Detected.		
97 Acenaphthene	153				Compound Not Detected.		
98 2,4-Dinitrophenol	184				Compound Not Detected.		
99 4-Nitrophenol	109				Compound Not Detected.		
101 2,4-Dinitrotoluene	165				Compound Not Detected.		
102 Dibenzofuran	168				Compound Not Detected.		
107 Diethyl phthalate	149				Compound Not Detected.		
109 4-Chlorophenyl phenyl ether	204				Compound Not Detected.		
110 Fluorene	166				Compound Not Detected.		
112 4-Nitroaniline	138				Compound Not Detected.		
113 4,6-Dinitro-2-methylphenol	198				Compound Not Detected.		
115 N-nitrosodiphenylamine	169				Compound Not Detected.		
116 Azobenzene	77				Compound Not Detected.		
234 1,2-DPH(as Azobenzene)	77				Compound Not Detected.		
124 4-Bromophenyl phenyl ether	248				Compound Not Detected.		
125 Hexachlorobenzene	284				Compound Not Detected.		
129 Pentachlorophenol	266				Compound Not Detected.		
136 Phenanthrene	178				Compound Not Detected.		
137 Anthracene	178				Compound Not Detected.		
140 Carbazole	167				Compound Not Detected.		
143 Di-n-butyl phthalate	149				Compound Not Detected.		
149 Fluoranthene	202				Compound Not Detected.		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
151 Benzidine	184				Compound Not Detected.		
152 Pyrene	202				Compound Not Detected.		
159 Butyl benzyl phthalate	149				Compound Not Detected.		
164 3 3'-Dichlorobenzidine	252				Compound Not Detected.		
165 Benzo(a)anthracene	228				Compound Not Detected.		
167 Chrysene	228				Compound Not Detected.		
162 Bis(2-ethylhexyl) phthalate	149				Compound Not Detected.		
168 Di-n-octyl phthalate	149				Compound Not Detected.		
171 Benzo(b)fluoranthene	252				Compound Not Detected.		
172 Benzo(k)fluoranthene	252				Compound Not Detected.		
178 Benzo(a)pyrene	252				Compound Not Detected.		
186 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
185 Dibenz(a,h)anthracene	278				Compound Not Detected.		
188 Benzo(g,h,i)perylene	276				Compound Not Detected.		
35 1H-Indene	116				Compound Not Detected.		
38 Acetophenone	105				Compound Not Detected.		
19 Methyl Styrene	118				Compound Not Detected.		
141 Alachlor	188				Compound Not Detected.		
127 Atrazine	200				Compound Not Detected.		
67 Caprolactam	55				Compound Not Detected.		
79 2,3-Dichlorobenzeneamine	161				Compound Not Detected.		
158 Famphur	218				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: Y8518.D

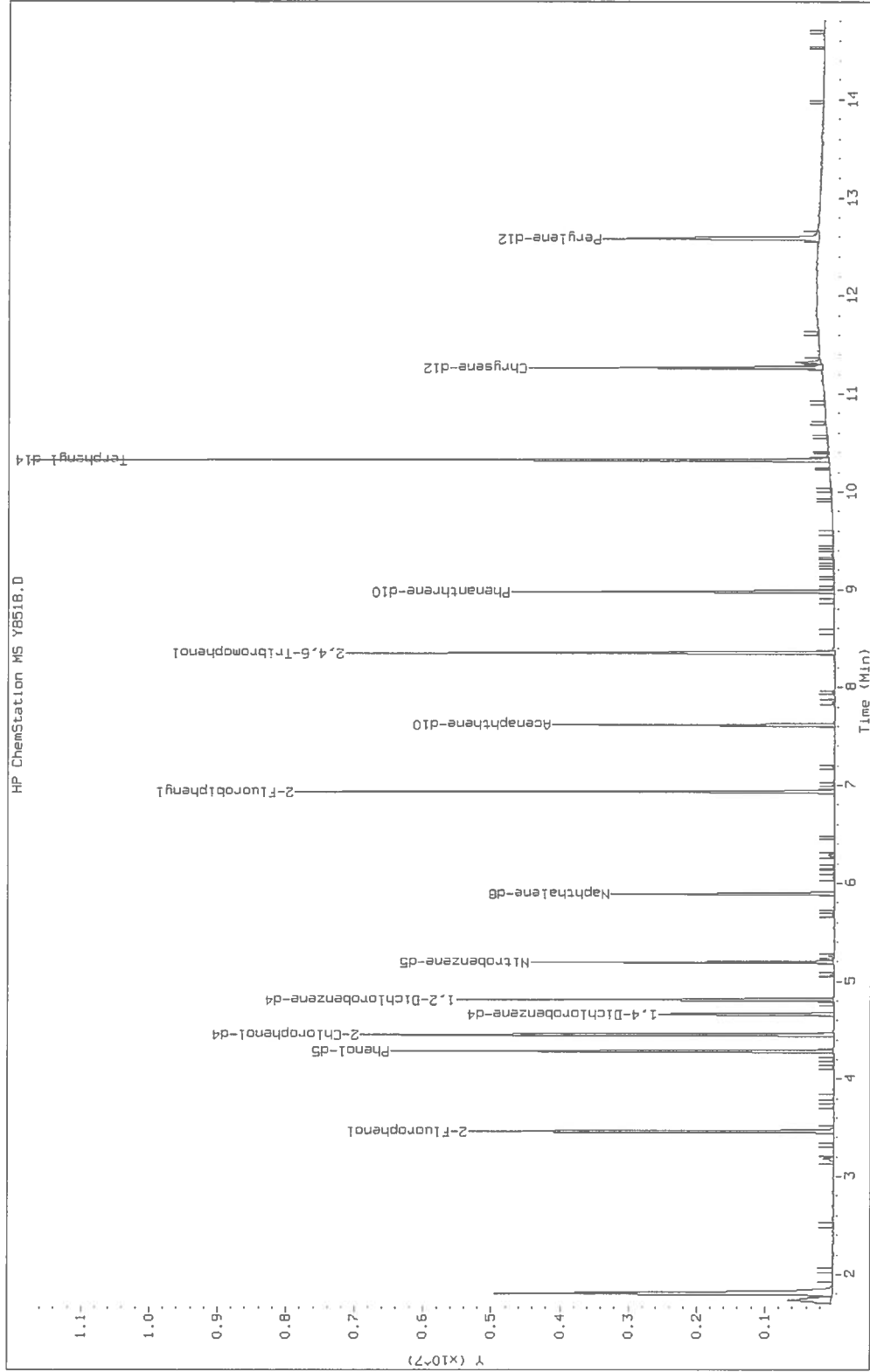
Date: 29-JUN-2012 14:54

Client ID: HUNT CISTERN

Sample Info: 280-30333-b-1-a

Instrument: Y.i

Operator: hoffmann



Method 8015B – GRO

Gasoline Range Organics (GC) by
Method 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1
SDG No.: _____
Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1
Matrix: Water Lab File ID: 209F2001.D
Analysis Method: 8015B Date Collected: 06/21/2012 11:15
Sample wt/vol: 5 (mL) Date Analyzed: 06/22/2012 23:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX 502.2 (105) ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 125437 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics (GRO)-C6-C10	ND		25	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	a,a,a-Trifluorotoluene	90		82-110

TestAmerica

Method 8015 GRO
 Data file : \\DenSvr03\Public\chem\GCV\GC_B.i\0622121.B\209F2001.D
 Lab Smp Id: 280-30333-K-1 Client Smp ID: HUNT CISTERN
 Inj Date : 22-JUN-2012 23:39
 Operator : AMB Inst ID: GC_B.i
 Smp Info : 280-30333-K-1
 Misc Info : 280-30333-K-1
 Comment : 8015 GRO
 Method : \\DenSvr03\Public\chem\GCV\GC_B.i\0622121.B\8015.m
 Meth Date : 22-Jun-2012 12:05 target Quant Type: ESTD
 Cal Date : 14-MAR-2012 13:49 Cal File: 206F0801.D
 Als bottle: 209
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: GRO.A.01.sub
 Target Version: 4.14
 Processing Host: DENPC382

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	Total Volume purged
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
\$ 1 Trifluorotoluene	7.866	7.850	0.016	268835	27.0887	27.0887
S 2 GRO - C6 to C10	4.413-13.837			26353	8.12639	8.12639(a)
4 1-Chloro-4-Fluorobenzene	11.273	11.260	0.013	258213	27.1820	27.1820
\$ 5 Chlorobenzene	11.486	11.473	0.013	318558	27.7345	27.7345

QC Flag Legend

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

Data File: 209F2001.D

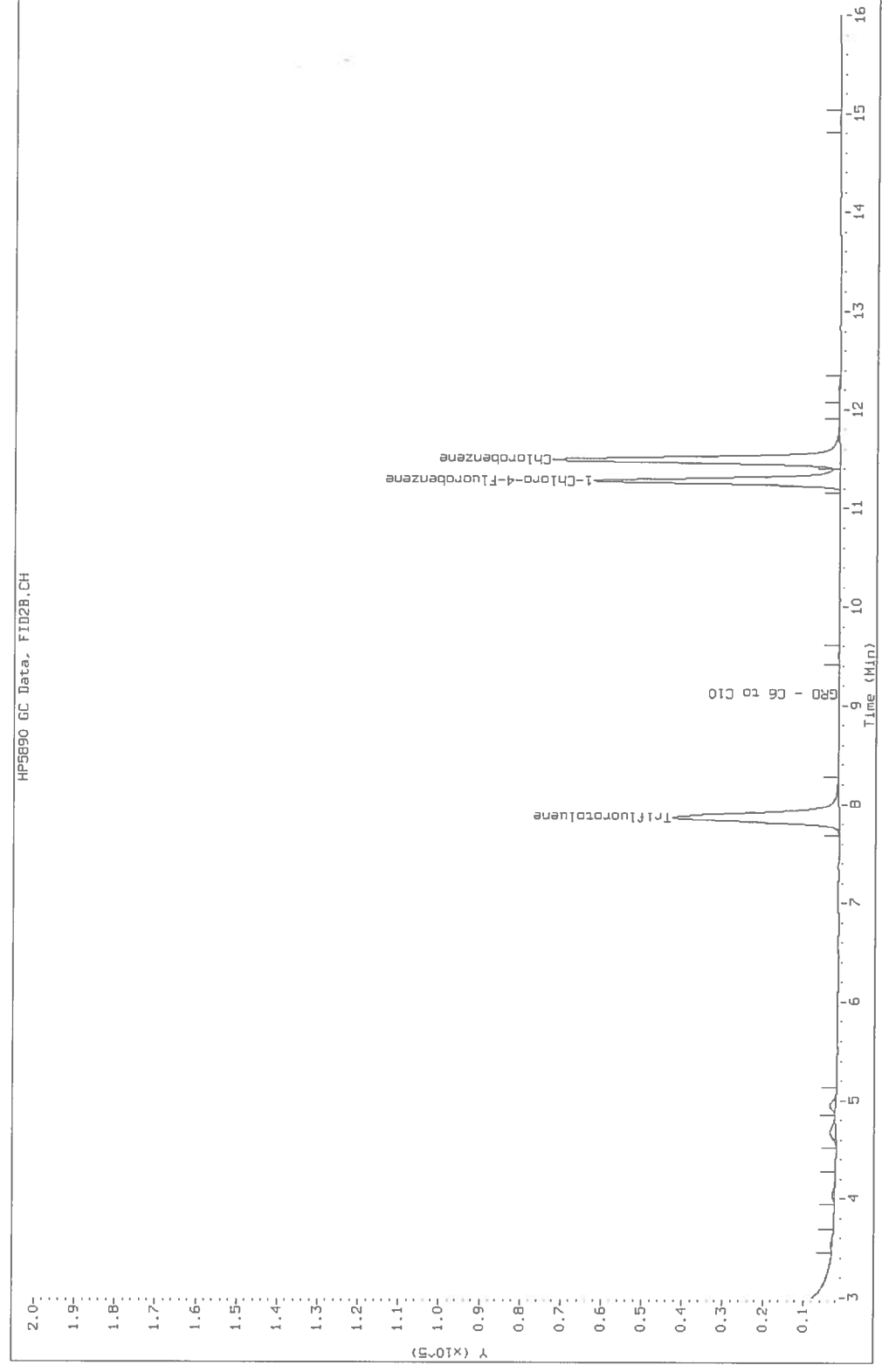
Date: 22-JUN-2012 23:39

Client ID: HUNT CISTERN

Sample Info: 280-30333-K-1

Instrument: GC_B.i

Operator: AMB



Method RSK-175

Dissolved Gases (GC) by Method
RSK_175

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 280-30333-1
SDG No.: _____
Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1
Matrix: Water Lab File ID: rsk070212_008.d
Analysis Method: RSK-175 Date Collected: 06/21/2012 11:15
Sample wt/vol: 1 (mL) Date Analyzed: 07/02/2012 16:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 83033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	ND		2.0	0.30
74-82-8	Methane	11		1.0	0.36
74-98-6	Propane	ND		2.0	0.75

TestAmerica Houston

Data file : \\housvr4\chem\FID14.i\070212.b\rsk070212_008.d
Lab Smp Id: 280-30333-P-1 Client Smp ID: HUNT CISTERN
Inj Date : 02-JUL-2012 16:13
Operator : lamj Inst ID: FID14.i
Smp Info : 280-30333-P-1
Misc Info : 280-30333-P-1
Comment :
Method : \\housvr4\chem\FID14.i\070212.b\RSK175.m
Meth Date : 14-Jun-2012 17:10 Quant Type: ESTD
Cal Date : 28-MAR-2012 15:34 Cal File: rsk032812_006.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: HOUSVR3

Concentration Formula: Amt * DF * Vt/Va * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10.000	Final Volume
Va	10.000	Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds					CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (mg/L)
1 Methane	0.900	0.914	-0.014	76946	10.6105	10.61 (M)
2 Ethane	1.133	1.097	0.036	1695	0.23783	0.238 (aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: rsk070212_008.d

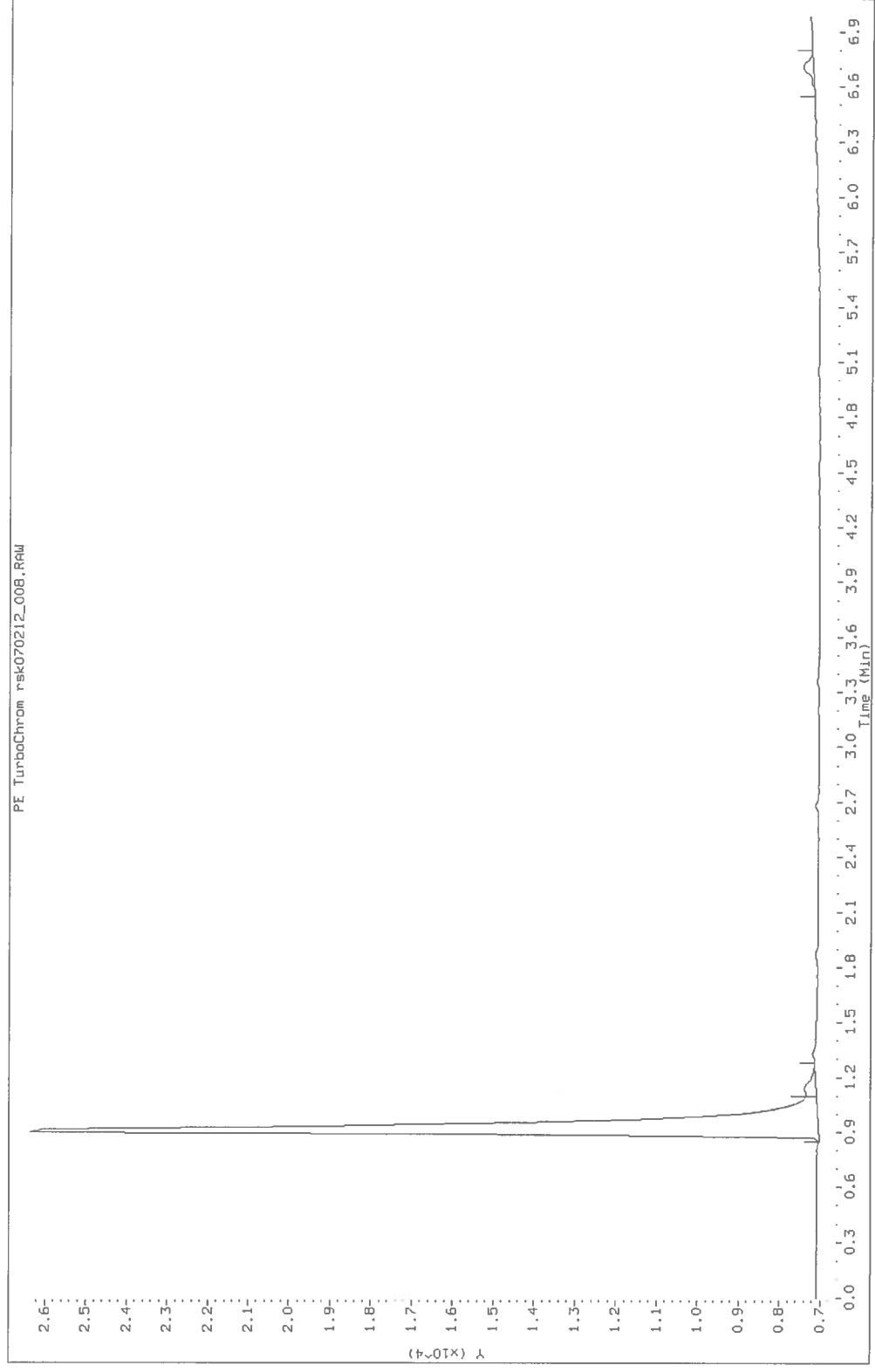
Date: 02-JUL-2012 16:13

Client ID: HUNT CISTERN

Sample Info: 280-30333-P-1

Instrument: FID14.i

Operator: lamj



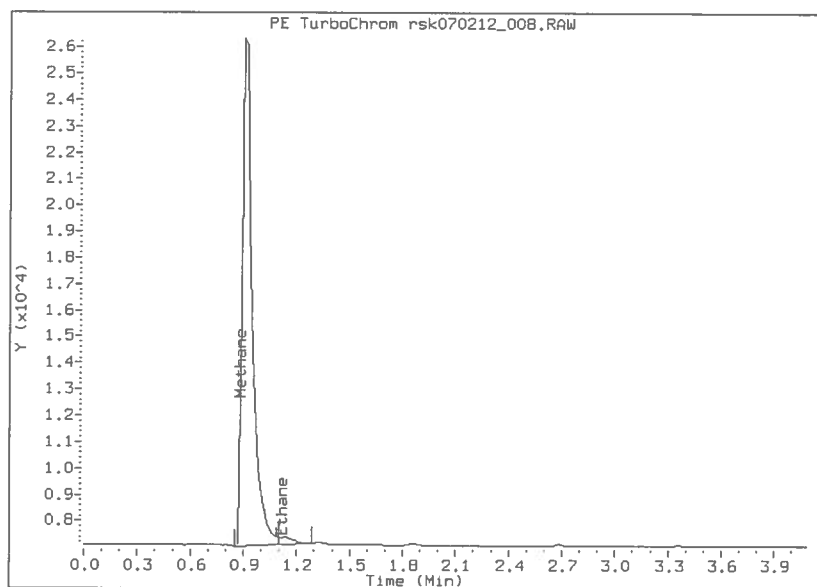
Manual Integration Report

Data File: rsk070212_008.d
Inj. Date and Time: 02-JUL-2012 16:13
Instrument ID: FID14.i
Client ID: HUNT CISTERN
Compound: 2 Ethane
CAS #: 74-84-0
Report Date: 07/03/2012

Processing Integration Results

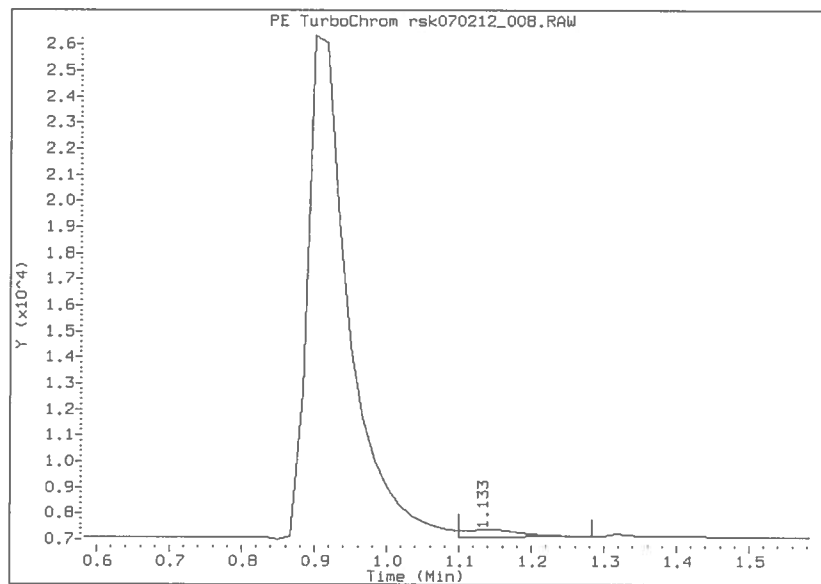
Not Detected

Expected RT: 1.10



Manual Integration Results

RT: 1.13
Response: 1695
Amount: 0.24
Conc: 0.24



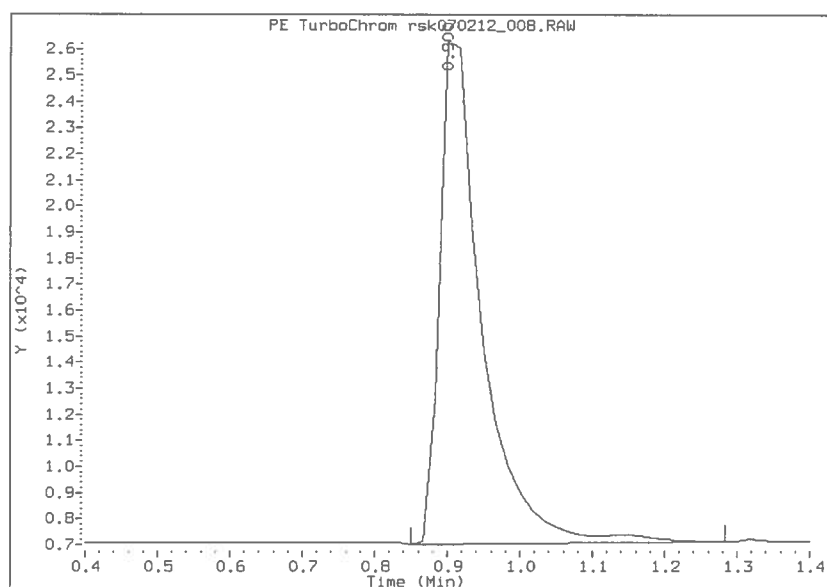
Manually Integrated By: lamj
Modification Date:
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: rsk070212_008.d
Inj. Date and Time: 02-JUL-2012 16:13
Instrument ID: FID14.i
Client ID: HUNT CISTERN
Compound: 1 Methane
CAS #: 74-82-8
Report Date: 07/03/2012

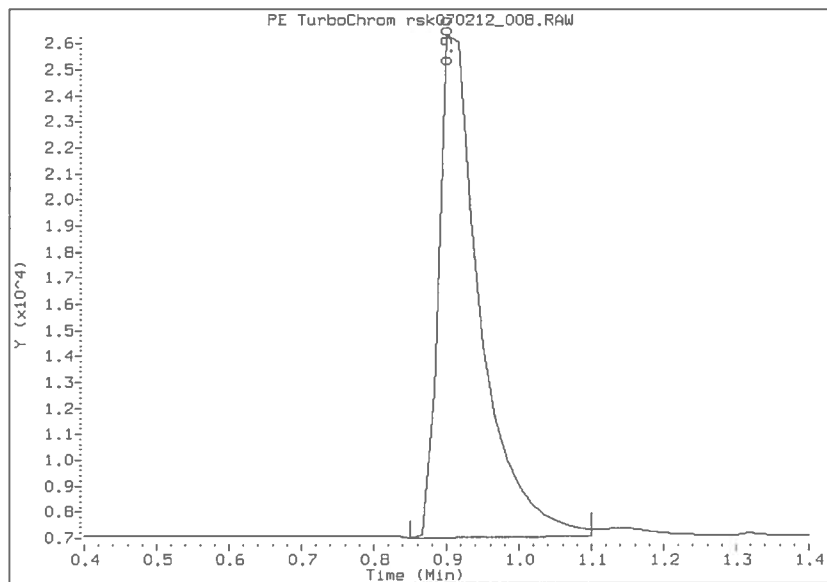
Processing Integration Results

RT: 0.90
Response: 78386
Amount: 10.84
Conc: 10.84



Manual Integration Results

RT: 0.90
Response: 76946
Amount: 10.61
Conc: 10.61



Manually Integrated By: lamj
Modification Date: 03-Jul-2012 15:57
Manual Integration Reason: Peak Integrated Incorrectly

Method 8015B – DRO

Diesel Range Organics (DRO) (GC) by
Method 8015B

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30333-1
SDG No.: _____
Client Sample ID: HUNT CISTERN Lab Sample ID: 280-30333-1
Matrix: Water Lab File ID: 014F1401.D
Analysis Method: 8015B Date Collected: 06/21/2012 11:15
Extraction Method: 3510C Date Extracted: 06/22/2012 16:58
Sample wt/vol: 1061.44 (mL) Date Analyzed: 06/27/2012 18:40
Con. Extract Vol.: 1000 (uL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: RTX-1 (30.32) ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 125910 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00255	C10-C36	0.066	J	0.47	0.053

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		50-115
630-02-4	n-Octacosane	90		26-152

Data File: \\DenSvr03\Public\chem\GCS\GC_U2.i\0627121.B\014F1401.D
Report Date: 28-Jun-2012 08:35

TestAmerica

SW846 8015 mod.
Data file : \\DenSvr03\Public\chem\GCS\GC_U2.i\0627121.B\014F1401.D
Lab Smp Id: 280-30333-C-1-A Client Smp ID: HUNT CISTERN
Inj Date : 27-JUN-2012 18:40
Operator : MB Inst ID: GC_U2.i
Smp Info : 280-1483716,33-1
Misc Info : 280-30333-C-1-A
Comment : DEN-GC-0002
Method : \\DenSvr03\Public\chem\GCS\GC_U2.i\0627121.B\DR01.m
Meth Date : 28-Jun-2012 08:29 target Quant Type: ESTD
Cal Date : 26-APR-2012 17:36 Cal File: 010F1001.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: C10-C36sub.sub
Target Version: 4.14
Processing Host: DENPC064

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

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final Extract Volume (uL)
Vs	1061.440	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds					CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
\$ 1 o-Terphenyl	8.174	8.180	-0.006	32965	14.1720	13.35(M)
S 9 C10-C36	3.390-13.340			106405	69.5928	65.56(M)
S 8 C10-C28	3.390-11.360			48559	31.7815	29.94 (M)
\$ 11 n-Octacosane	11.344	11.349	-0.005	30772	18.0445	17.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 014F1401.D

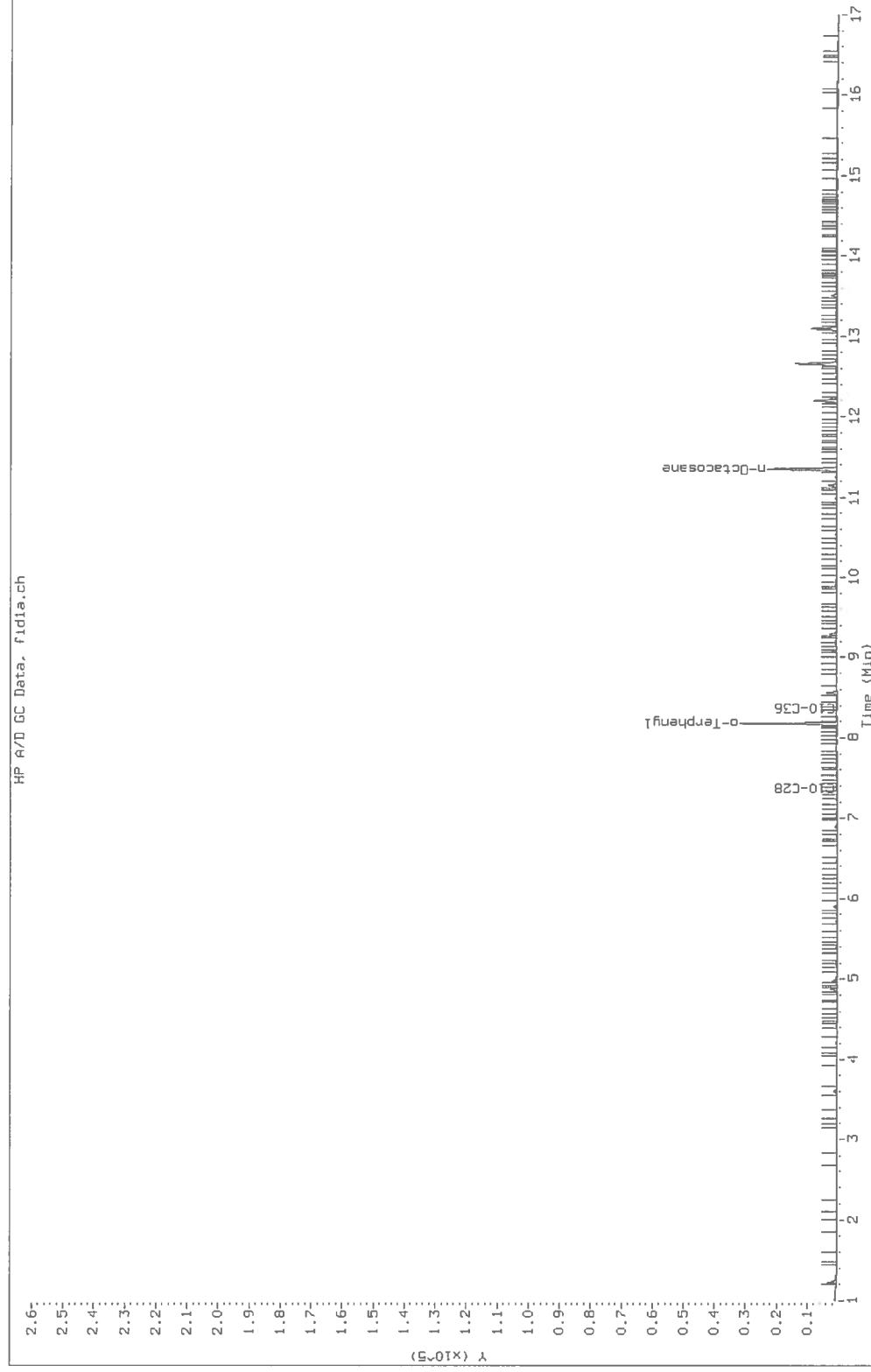
Date: 27-JUN-2012 18:40

Client ID: HUNT CISTERN

Sample Info: 280-1483716,33-1

Instrument: GC_U2.i

Operator: MB

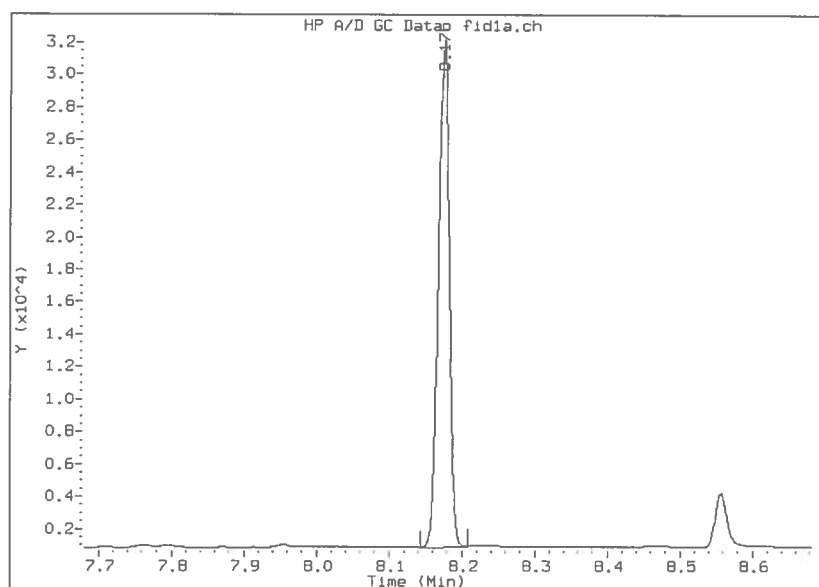


Manual Integration Report

Data File: 014F1401.D
Inj. Date and Time: 27-JUN-2012 18:40
Instrument ID: GC_U2.i
Client ID: HUNT CISTERN
Compound: 1 o-Terphenyl
CAS #: 84-15-1
Report Date: 06/28/2012

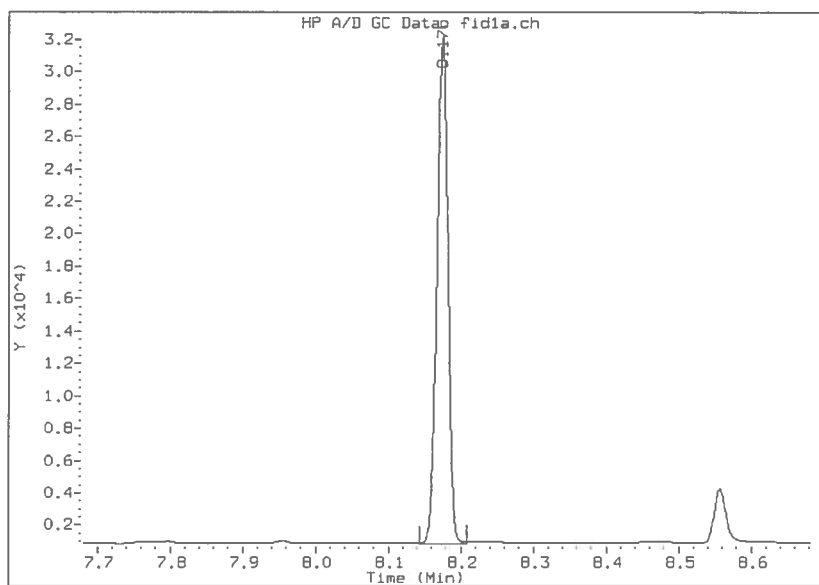
Processing Integration Results

RT: 8.17
Response: 32765
Amount: 14.09
Conc: 13.27



Manual Integration Results

RT: 8.17
Response: 32965
Amount: 14.17
Conc: 13.35



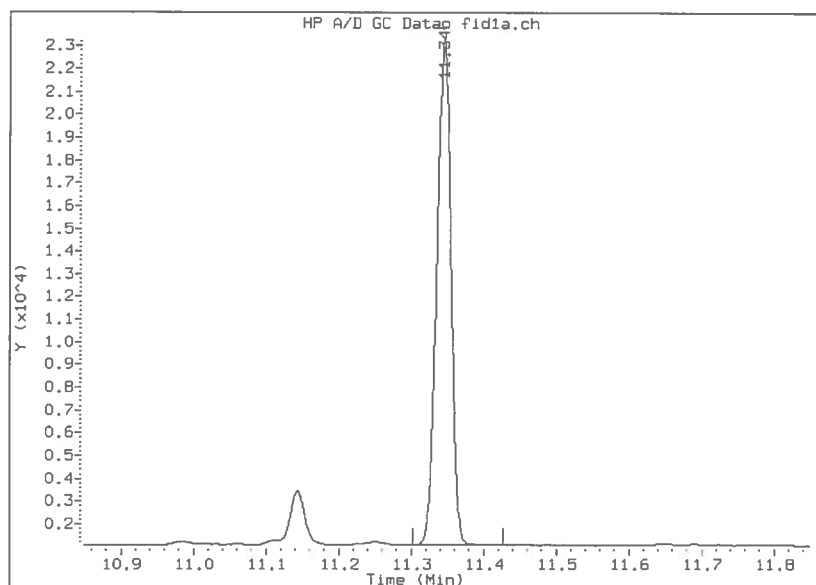
Manually Integrated By: pavlakoa
Modification Date: 28-Jun-2012 08:34
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 014F1401.D
Inj. Date and Time: 27-JUN-2012 18:40
Instrument ID: GC U2.i
Client ID: HUNT CISTERN
Compound: 11 n-Octacosane
CAS #: 630-02-4
Report Date: 06/28/2012

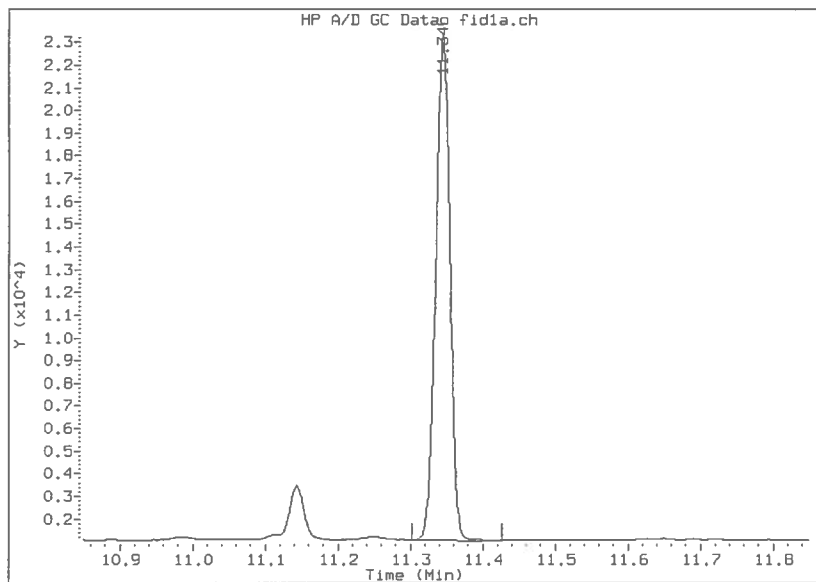
Processing Integration Results

RT: 11.34
Response: 30619
Amount: 17.95
Conc: 16.92



Manual Integration Results

RT: 11.34
Response: 30772
Amount: 18.04
Conc: 17.00



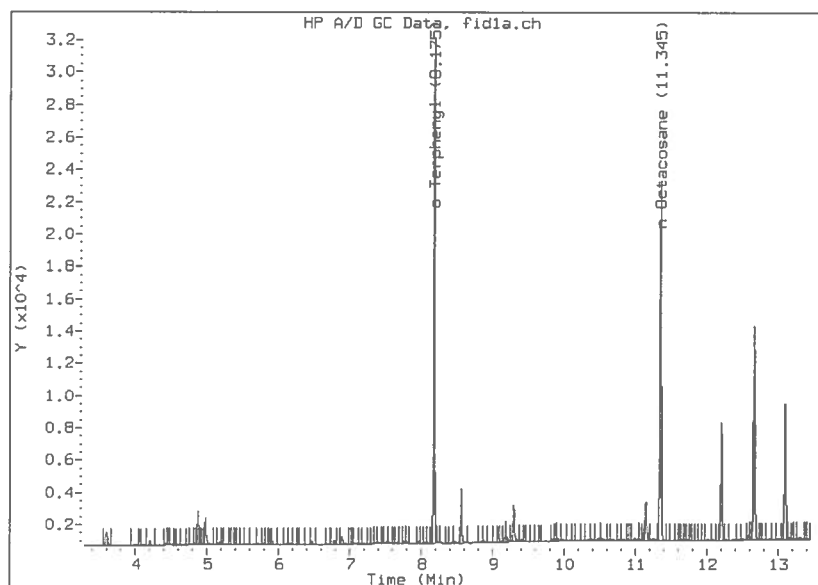
Manually Integrated By: pavlakoa
Modification Date: 28-Jun-2012 08:35
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 014F1401.D
Inj. Date and Time: 27-JUN-2012 18:40
Instrument ID: GC_U2.i
Client ID: HUNT CISTERN
Compound: 9 C10-C36
CAS #: STL00255
Report Date: 06/28/2012

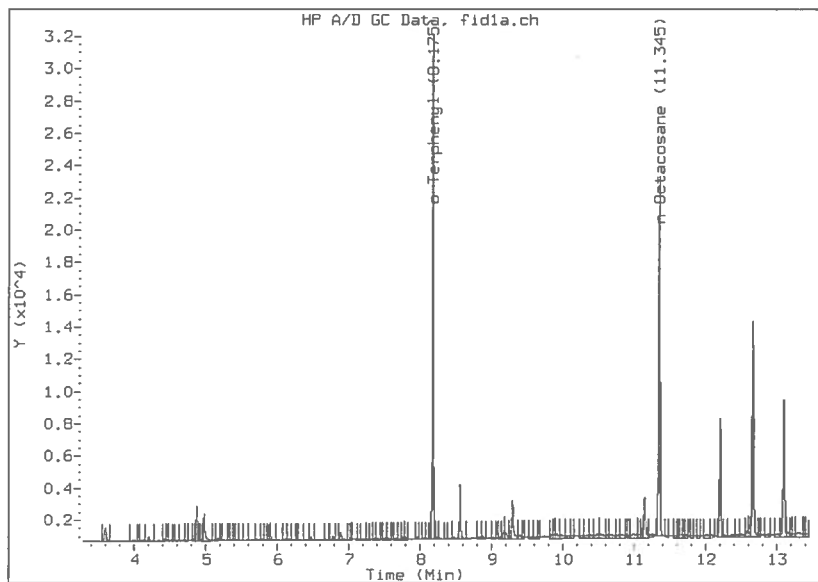
Processing Integration Results

RT: 8.37
Response: 74047
Amount: 48.43
Conc: 45.63



Manual Integration Results

RT: 8.37
Response: 106405
Amount: 69.59
Conc: 65.56



Manually Integrated By: pavlakoa
Modification Date: 28-Jun-2012 08:35
Manual Integration Reason: Baseline Event

Subcontract Data

Shipping and Receiving Documents

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client	Co6CC	Project/Manager	Linda Spill O'Rourke	Date	June 21 12	Chain of Custody Number	161154
Address	707 Wapiti	Telephone Number (Area Code)/Fax Number	(970) 625-2497	Lab Number		Page	1 of 1

Contract/Purchase Order/Quote No.	
Project Name and Location (State)	Hunt Residence Siltco
Carrier/Waybill Number	

[illegible]

See Attached
List of Parameter
Test Methods and
Analytes - Email
June 18, 2012

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	
		<input checked="" type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months
Turn Around Time Required					

1. Relinquished By	OCN	Date	6/22/12	Time	15:40
2. Relinquished By		Date		Time	

1. Relinquished By		3. Received By	
Date	Time	Date	Time
Comments			

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

From: Spry ORourke, Linda [<mailto:Linda.SpryORourke@state.co.us>]
Sent: Monday, June 18, 2012 1:49 PM
To: Egry, Joseph J.
Cc: Fischer, Alex
Subject: RE: Bottle Order

Joe,

I mis-spoke in the email below; we need to receive the bottles in Rifle on Wednesday 6/20/2012.

Linda Spry O'Rourke
Environmental Protection Specialist, Northwest Region
Colorado Oil & Gas Conservation Commission
707 Wapiti Court
Suite 204
Rifle, CO 81650

(970) 625-2497 Office
(970) 625-5682 Fax
(970) 309-3356 Cellular
linda.spryorourke@state.co.us

From: Spry ORourke, Linda
Sent: Monday, June 18, 2012 1:41 PM
To: 'Egry, Joseph J.'
Cc: Fischer, Alex
Subject: Bottle Order

Hi.

Please ship sample containers for the following tests to the Rifle COGCC office and let me know when they can be shipped and arrive. If possible, I'd like to receive these by the end of this week. We anticipate collecting 3 samples late this week or early next. There may be a delay before the other 3 samples are collected. Thanks.

Test	Test Method	Number Water Samples
SPECIFIC CONDUCTIVITY	EPA120.1	6
PH	EPA150.1	6
TOTAL DISSOLVED SOLIDS	EPA160.1	6
Dissolved METALS - ICP	EPA200.7	6
Dissolved Metals	EPA200.8	6
Mercury	E245.1	6
Inorganic anions (Br,Cl,Fl,NO2 asN,NO3asN,SO4)	EPA300.0	6
Alkalinity (bicarb as CaCO3, total alk as CaCO3, carbonate as CaCO3)	EPA310.1	6
dissolved gases (methane, ethane, propane)	RSK175	6
GASOLINE RANGE ORGANICS	SW8015	6
DIESEL RANGE ORGANICS	SW8015	6
Semi-VOCs/PAH	SW8270	6

VOCs	SW8260	6
SODIUM ADSORPTION RATIO	Lab calculated	6
Total Organic Carbon	Method 413.1	6

Linda Spry O'Rourke
Environmental Protection Specialist, Northwest Region
Colorado Oil & Gas Conservation Commission
707 Wapiti Court
Suite 204
Rifle, CO 81650

(970) 625-2497 Office
(970) 625-5682 Fax
(970) 309-3356 Cellular
linda.spryorourke@state.co.us

No virus found in this incoming message.

Checked by AVG - www.avg.com

Version: 9.0.930 / Virus Database: 2433.1.1/5079 - Release Date: 06/19/12 00:49:00

Login Sample Receipt Checklist

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Login Number: 30333

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

Question	Answer	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	
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.	False	No time on COC, logged in per container labels.
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-30333-1

Login Number: 30333

List Number: 1

Creator: Trenery, Michael J

List Source: TestAmerica Houston

List Creation: 06/23/12 10:26 AM

Question	Answer	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	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	