



Organic Carbon Case Narrative

Colorado Oil & Gas Conservation Commission

Complaint 200323492

Work Order Number: 1110046

1. This report consists of 1 water sample.
2. The sample was received cool and intact by ALS on 10/05/11.
3. The sample had been correctly preserved for the requested analysis.
4. The sample was prepared for analysis based on Methods for the Chemical Analysis of Waters and Wastes (MCAWW), May 1994 procedures.
5. The sample was analyzed following MCAWW procedures for the following method:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
TOC (Total Organic Carbon)	415.1	670 Rev 14

6. All standards and solutions were used within their recommended shelf life.
7. The sample was prepared and analyzed within the established hold time for TOC analysis.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.
 - n A preparation (method) blank, laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) were prepared and analyzed with the samples in this preparation batch. There were not more than 20 samples in this preparation batch.
 - n The method blank associated with this batch was below the reporting limit for the requested analyte. This indicates that no contaminants were introduced to the samples during preparation and analysis.



- The LCS and LCSD were within the acceptance limits for TOC analysis.
- All continuing calibration verifications (CCV) associated with this batch were within the acceptance criteria for the requested analyte. This indicates a valid calibration and stable instrument conditions.

9. Matrix specific quality control procedures.

Per method requirements, matrix QC was performed for this analysis. Since a sample from this Order Number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

10. Sample dilutions were not required for the requested analysis.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Megan Johnson
Megan Johnson
Organics Primary Data Reviewer

10/26/11
Date

[Signature]
Organics Final Data Reviewer

10/26/11
Date



Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Concentration qualifier -- If the analyte was analyzed for but not detected a "U" is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - N - Spiked sample recovery not within control limits.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - B - The method blank for the analysis contained the analyte of interest above the reporting limit.



Chain of Custody

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1110046

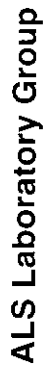
Client Name: Colorado Oil & Gas Conservation Commission

Client Project Name: Complaint 200323492

Client Project Number:

Client PO Number: PHA 12-10

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
705323 Dahl	1110046-1		WATER	04-Oct-11	12:31
705323 Dahl	1110046-2		WATER	04-Oct-11	12:31



77 800; 445-15 - 54 - 9701490-151 : x 5/6 490-1522

WORKORDER

Form 202r8

[illegible]

metals or anions, please detail analytes below.

[illegible]

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>[Signature]</i>	<i>[Signature]</i>	<i>4/11/11</i>	<i>16:45</i>
RECEIVED BY	<i>[Signature]</i>	<i>Lauren Schmitz</i>	<i>10/5/11</i>	<i>1020</i>
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: COGEC

Workorder No: 1110046
Initials: LAS Date: 10/5/11

Project Manager: ARKW

Initials: LAS Date: 10/25/11

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	NO
2. Are custody seals on shipping containers intact?	NONE	YES	NO
3. Are Custody seals on sample containers intact?	NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		YES	NO
5. Are the COC and bottle labels complete and legible ?		YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	YES	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	YES	NO
10. Is there sufficient sample for the requested analyses?		YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		YES	NO
12. Are all samples within holding times for the requested analyses?		YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)		YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: _____ < green pea _____ > green pea	N/A	YES	NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	N/A	YES	NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	N/A	YES	NO
17. Were the samples shipped on ice ?		YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: #2 #4	RAD ONLY	YES
Cooler #:	1		
Temperature (°C):	5.2		
No. of custody seals on cooler:	1		
External µR/hr reading:	13		
Background µR/hr reading:	12		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES NO / NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: (Signature) 10/7/11

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

Form 201r22.xls (6/1/09)

1110046

PETER GINTAUTAS 719-846-3091 COLORADO OIL & GAS CONSERVATIO 213 CORUNDUM RD TRINIDAD CO 81082		40 LBS	2 OF 2
SHIP TO: AMY WOLF 970-490-1511 ALS LABORATORY GROUP 225 COMMERCE DRIVE FORT COLLINS CO 80524-2762		DWT: 25,13	0201
	CO 805 0-01		
UPS NEXT DAY AIR		1	
TRACKING #: 1Z 014 8WR 01 9337 6560			
			
BILLING: P/P			
Reference#1: EPA frac Study			
US 13.6.08		WNTZ90 18.0A 07/2011	
			

FOLD HERE



Sample Results

Organic Carbon

Method EPA415.1

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: MO111010-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 10-Oct-11

Date Analyzed: 10-Oct-11

Prep Method: NONE

Prep Batch: MO111010-1

QCBatchID: MO111010-1-1

Run ID: mo111010-1a

Cleanup: NONE

Basis: N/A

File Name: 10101210

Sample Aliquot: 40 ml

Final Volume: 40 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-35-5	TOTAL ORGANIC CARBON	1	1	1	U	

Data Package ID: mo1110046-1

Organic Carbon

Method EPA415.1

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID:	705323 Dahl
Lab ID:	1110046-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 04-Oct-11

Date Extracted: 10-Oct-11

Date Analyzed: 10-Oct-11

Prep Method: NONE

Prep Batch: MO111010-1

QCBatchID: MO111010-1-1

Run ID: mo111010-1a

Cleanup: NONE

Basis: As Received

File Name: 10101210

Sample Aliquot: 40 ml

Final Volume: 40 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-35-5	TOTAL ORGANIC CARBON	1	1	1	U	

Data Package ID: mo1110046-1



QC and Summary Report Forms

Organic Carbon

Method EPA415.1

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: MO111010-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 10/10/2011

Date Analyzed: 10/10/2011

Prep Method: NONE

Prep Batch: MO111010-1

QCBatchID: MO111010-1-1

Run ID: mo111010-1a

Cleanup: NONE

Basis: N/A

File Name: 10101210

Sample Aliquot: 40 ml

Final Volume: 40 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
10-35-5	TOTAL ORGANIC CARBON	15	16.5	1		110	85 - 115%

Lab ID: MO111010-1LCSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 10/10/2011

Date Analyzed: 10/10/2011

Prep Method: NONE

Prep Batch: MO111010-1

QCBatchID: MO111010-1-1

Run ID: mo111010-1a

Cleanup: NONE

Basis: N/A

File Name: 10101210

Sample Aliquot: 40 ml

Final Volume: 40 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
10-35-5	TOTAL ORGANIC CARBON	15	16.4	1		109	20	0

Data Package ID: mo1110046-1

Prep Batch ID: MO111010-1

Start Date: 10/10/11

End Date: 10/10/11

Concentration Method: NONE

Batch Created By: sdw

Start Time: 12:16

End Time: 21:57

Extract Method: NONE

Date Created: 10/10/11

Prep Analyst: Steven D. White

Initial Volume Units: ml

Time Created: 11:49

Comments:

Final Volume Units: ml

Validated By: sdw

DOC / TOC samples by EPA 415.1 (1 replicate)

Date Validated: 10/11/11

Time Validated: 9:21

QC Batch ID: MO111010-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
MO111010-1	RVS	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
MO111010-1	MB	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
MO111010-1	LCS	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
MO111010-1	LCSD	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
1110022-2	MS	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-2	MSD	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110017-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
1110017-4	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
1110017-5	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110017
1110022-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-10	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-11	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-12	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-2	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-3	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-4	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-5	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-6	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-7	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-8	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110022-9	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110022
1110027-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110027
1110041-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110041
1110046-1	SMP	705323 Dahl	WATER	10/4/2011	40	40	NONE	1	1110046
1110062-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110062
1110079-1	SMP	XXXXXX	WATER	XXXXXX	40	40	NONE	1	1110079

TOTAL ORGANIC CARBON

Method EPA415.1

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Run ID: mo111010-1a

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	1/4/2010	11:25	15	14.9	1	N/A	99	85 - 115
CCV1	Continuing Calibration	10/10/2011	13:04	10	10.3	1	N/A	102	85 - 115
CCV2	Continuing Calibration	10/10/2011	14:10	10	10.2	1	N/A	102	85 - 115
CCV3	Continuing Calibration	10/10/2011	15:45	10	10.3	1	N/A	103	85 - 115

Data Package ID: *mo1110046-1*

Date Printed: Wednesday, October 26, 2011

ALS Environmental -- FC

LIMS Version: 6.538

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TOTAL ORGANIC CARBON

Method EPA415.1

Calibration Blanks

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Run ID: mo111010-1a

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	10/10/2011	13:12	1	1	U
CCB2	Continuing Calibration	10/10/2011	14:18	1	1	U
CCB3	Continuing Calibration	10/10/2011	15:54	1	1	U

Data Package ID: *mo1110046-1*

Date Printed: Wednesday, October 26, 2011

ALS Environmental -- FC

LIMS Version: 6.538

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Supporting Raw Data

DOC / TOC - Analysis Run Log

Calibration Date: 01/04/2010
 Calibration Curve Filename: 01040859
 File containing ICV for curve: 01040859
 TOC-Talk Method Used: TOC Range 0.1 - 20 ppm C

Instrument: Phoenix 8000 # 01011007
 SOP 670 Rev # 12
 Analysis Date: 01/04/2010
 Analyst: SDW

ppb C	ppm C	DNR	Position	Sample ID	Comment	Data Filename	Reps.	Initial Sample Volume (mL)	Final Vol. of Diluted Sample (mL)	Vol of 1000 ug/mL TOC Std Spiked* (mL)	NOTES:
415.7	0.4157		1	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	Timestamp: 01/04/2010 @ 0905
40.4	0.0404		2	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
31.9	0.0319		3	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
			4	Blank TC Range 2	TOC - EPA 415.1	01040859	5	40	40	NA	
32.8	0.0328		5	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
44.9	0.0449		6	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
			6	0.000001 PPM	TOC - EPA 415.1	01040859	1	0	40	NA	Raw Data: 132289
			7	0.1 PPM	TOC - EPA 415.1	01040859	1	0.2	40	NA	Raw Data: 196249
			8	0.5 PPM	TOC - EPA 415.1	01040859	1	1	40	NA	Raw Data: 593465
			9	1.0 PPM	TOC - EPA 415.1	01040859	1	2	40	NA	Raw Data: 1117871
			10	5.0 PPM	TOC - EPA 415.1	01040859	1	10	40	NA	Raw Data: 5287249
			11	10 PPM	TOC - EPA 415.1	01040859	1	20	40	NA	Raw Data: 10744051
			12	20 PPM	TOC - EPA 415.1	01040859	1	40	40	NA	Raw Data: 21440816
74.9	0.0749		13	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
93.2	0.0932		14	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	
14881.2	14.8812		16	ICV	TOC - EPA 415.1	01040859	1	0.6	40	NA	Raw Data: 15981466
105.9	0.1059		17	BLANK	TOC - EPA 415.1	01040859	1	40	40	NA	Timestamp: 01/04/2010 @ 1133

EPT = Endpoint Timeout

Standard ID	Description	Method ID	Std. Vol. Used	Final Vol.	Exp. Date	Std. Conc.
ST091231-1	Calib. Std.	TOC Range 0.1 - 20 ppm C	NA	NA	5/11/10	20.0
ST091231-2	ICV	TOC Range 0.1 - 20 ppm C	0.6	40	9/8/10	1000.0
ST090901-5	CCV	TOC Range 0.1 - 20 ppm C	40	40	5/11/10	10.0
ST090901-9	LCS	TOC Range 0.1 - 20 ppm C	40	40	5/11/10	15.0
ST090511-6	*spike Std. for MS/MSD	TOC Range 0.1 - 20 ppm C	0.4	40	5/11/10	1000.0
RG090901-4	12% Sodium Persulfate Reagent					
RG090901-3	Diluted Phosphoric Acid Reagent					

Double deionized water (DI) used for all dilutions and all run QC

Cal. Curve ID: 010410LOW
 Created: 01/04/2010 11:35
 Calibration Factor (m): 2.669e+05
 Y Intercept (b): 62503
 r-squared: 0.99995

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message Time	Date &
0.000001 PPM	132289	0.000	0.261		01/04/2010 10:01
0.1 PPM	196249	0.400	0.501		01/04/2010 10:09
0.5 PPM	593465	2.000	1.989		01/04/2010 10:17
1.0 PPM	1117871	4.000	3.954		01/04/2010 10:26
5.0 PPM	5287248	20.000	19.576		01/04/2010 10:36
10 PPM	10744051	40.000	40.020		01/04/2010 10:47
20 PPM	21440816	80.000	80.098	Endpoint Time	01/04/2010 10:58

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
=====					
BLANK	0.4157		TOC		
BLANK	0.0404		TOC		
BLANK	0.0319		TOC		
BLANK.....	94597...	3673..	3.88...TC	..	
BLANK	0.0328		TOC		
BLANK	0.0449		TOC		
0.000001 PPM.....	132289...	..	...TOC	..	
0.1 PPM	196249		TOC		
0.5 PPM	593465		TOC		
1.0 PPM.....	1117871...	..	...TOC	..	
5.0 PPM	5287248		TOC		
10 PPM	10744051		TOC		
20 PPM.....	21440816...	..	...TOC	..	
BLANK	0.0749		TOC		
BLANK	0.0932		TOC		
ICV.....	14.8812...	..	...TOC	..	
BLANK	0.1059		TOC		

Method ID	Sample Type	Vial	Timestamp	Message
=====				
TOC Range 0.1 - 20 p	Sample	1	01/04/2010 09:05	
TOC Range 0.1 - 20 p	Sample	2	01/04/2010 09:13	
TOC Range 0.1 - 20 p	Sample	3	01/04/2010 09:21	
Blank TC Range 2	Blank TC Range 2..	4..	01/04/2010 09:38	..
TOC Range 0.1 - 20 p	Sample	5	01/04/2010 09:45	
TOC Range 0.1 - 20 p	Sample	6	01/04/2010 09:53	
TOC Range 0.1 - 20 p...	TOC Standard	..	6..01/04/2010 10:01	..
TOC Range 0.1 - 20 p	TOC Standard	7	01/04/2010 10:09	
TOC Range 0.1 - 20 p	TOC Standard	8	01/04/2010 10:17	
TOC Range 0.1 - 20 p...	TOC Standard	..	9..01/04/2010 10:26	..
TOC Range 0.1 - 20 p	TOC Standard	10	01/04/2010 10:36	
TOC Range 0.1 - 20 p	TOC Standard	11	01/04/2010 10:47	
TOC Range 0.1 - 20 p...	TOC Standard	..	12..01/04/2010 10:58	..Endpoint Timeout
TOC Range 0.1 - 20 p	Sample	13	01/04/2010 11:06	
TOC Range 0.1 - 20 p	Sample	14	01/04/2010 11:14	
TOC Range 0.1 - 20 p...	Sample	..	16..01/04/2010 11:25	..
TOC Range 0.1 - 20 p	Sample	17	01/04/2010 11:33	

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 09:05
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.4157	1.6629	485944	-2.146	-1.647	108

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 09:13
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0404	0.1616	125634	-2.423	-1.925	83

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 09:21
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0319	0.1276	117478	-2.481	-1.981	80

=====

Sample ID: BLANK Mode: TC
Method: Blank TC Range 2 Filename: 01040859
Cal. Curve: default Timestamp: 01/04/2010 09:38
Operator ID: sdw Sample Type: Blank TC Range 2

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1		91187	-2.318	-1.820	81	
2		99181	-2.338	-1.839	86	
3		97612	-2.310	-1.813	85	
4		91190	-2.215	-1.716	82	
5		93815	-2.169	-1.669	83	

=====
<<<Statistics>>> Mean: 94597 Std Dev: 3673 RSD: 3.88
=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 09:45
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1	0.0328	0.1314	125730	-2.328	-1.829	83

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 09:53
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1	0.0449	0.1797	137342	-2.259	-1.761	82

=====

Sample ID: 0.000001 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:01
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1		132289	-2.171	-1.672	81	

=====

Sample ID: 0.1 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:09
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1		196249	-2.073	-1.576	87	

=====

Sample ID: 0.5 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:17
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1		593465	-2.045	-1.546	111	

Sample ID: 1.0 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:26
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1		1117871	-1.945	-1.446	132	

Sample ID: 5.0 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:36
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1		5287248	-1.921	-1.421	190	

Sample ID: 10 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:47
Operator ID: sdw Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1		10744051	-1.893	-1.393	243	

Sample ID: 20 PPM Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 10:58

Operator ID: sdw

Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1		21440816	-1.790	-1.038		251

Last Message: Endpoint Timeout

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 11:06
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.0749	0.2996	174172	-1.879	-1.380	84

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 11:14
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.0932	0.3727	193687	-1.873	-1.374	87

Sample ID: ICV Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 11:25
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginn ing	Ending	Integration
			Baseline	Baseline	Time	
1	14.8812	59.5247	15981466	-1.888	-1.388	242

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 01040859
Cal. Curve: 010410LOW Timestamp: 01/04/2010 11:33
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1	0.1059	0.4235	207248	-2.030	-1.531	90
=====						

DOC / TOC - Analysis Run Log

Calibration Date: 01/04/2010
 Calibration Curve Filename: 01 040859
 File containing ICV for curve: 01040859
 TOC-Talk Method Used: TOC Range 0.1 - 20 ppm C

Instrument: Phoenix 8000 # 01011007
 SOP 670 Rev # 13
 Analysis Date: 10/10/2011
 Analyst: Steven D. White

ppb C	ppm C	DNR	Position	Sample ID	Comment	Data Filename	Reps.	Initial Sample Volume (mL)	Final Vol. of Diluted Sample (mL)	Vol of 1000 ug/mL TOC Std Spiked* (mL)	NOTES:
1814.2	1.8142		1	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	Timestamp: 10/10/2011 @ 1216
209.1	0.2091		2	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
			3	Blank TC Range 2	DOC / TOC - EPA 415.1	10101210	5	40	40	NA	EPT
15.1	0.0151		4	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10251.4	10.2514		5	CCV1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
12.4	0.0124		6	CCB1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
-38.7	-0.0387		7	MO111010-1MB	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
930.1	0.9301		8	MO111010-1RVS	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
16468.7	16.4687		9	MO111010-1LCS	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	EPT
16437.3	16.4373		10	MO111010-1LCSD	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	EPT
-9.8	-0.0098		11	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10242.8	10.2428		12	CCV2	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	EPT
-19.4	-0.0194		13	CCB2	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
4118.6	4.1186		14	1110017-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	EPT
1221.2	1.2212		15	1110017-4	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
1280.5	1.2805		16	1110017-5	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
1035.4	1.0354		17	1110041-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
821.1	0.8211		18	1110046-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
1632.8	1.6328		19	1110082-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
1666.0	1.6660		20	1110079-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
62.7	0.0627		21	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10263.7	10.2637		22	CCV3	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
49.9	0.0499		23	CCB3	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
66.6	-0.0666	X	24	1110022-1 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-33.9	-0.0339	X	25	1110022-2 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-59.3	-0.0593	X	26	1110022-3 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-57.1	-0.0571	X	27	1110022-4 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-75.8	-0.0758	X	28	1110022-5 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-64.9	-0.0649	X	29	1110022-6 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-47.9	-0.0479	X	30	1110022-7 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
16.0	0.0160		31	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10273.0	10.2730		32	CCV4	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
69.7	0.0697		33	CCB4	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
-38.9	-0.0389	X	34	1110022-8 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-80.3	-0.0803	X	35	1110022-9 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-93.3	-0.0933	X	36	1110022-10 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-65.6	-0.0656	X	37	1110022-11 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
-40.1	-0.0401	X	38	1110022-12 40X	DOC / TOC - EPA 415.1	10101210	1	1	40	NA	Result< RL - see 1X analysis
10954.9	10.9549		39	1110027-1 200X	DOC / TOC - EPA 415.1	10101210	1	0.4	40	NA	EPT
707.1	0.7071		40	1110022-1	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
115.3	0.1153		41	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10326.1	10.3261		42	CCV5	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
109.0	0.1090		43	CCB5	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
554.8	0.5548		44	1110022-2	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10542.0	10.5420		45	1110022-2MS	DOC / TOC - EPA 415.1	10101210	1	40	40	0.4 to 40	EPT
10622.8	10.6228		46	1110022-2MSD	DOC / TOC - EPA 415.1	10101210	1	40	40	0.4 to 40	
124.5	0.1245		47	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
544.9	0.5449		48	1110022-3	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
489.7	0.4897		49	1110022-4	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
550.1	0.5501		50	1110022-5	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
170.8	0.1708		51	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10491.9	10.4919		52	CCV6	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
179.8	0.1798		53	CCB6	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
511.2	0.5112		54	1110022-6	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
513.1	0.5131		55	1110022-7	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
583.7	0.5837		56	1110022-8	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
657.0	0.6570		57	1110022-9	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
802.8	0.8028		58	1110022-10	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
607.6	0.6076		59	1110022-11	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
730.5	0.7305		60	1110022-12	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
93.9	0.0939		61	BLANK	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
10386.6	10.3866		62	CCV7	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	
158.1	0.1581		63	CCB7	DOC / TOC - EPA 415.1	10101210	1	40	40	NA	Timestamp: 10/10/2011 @ 2157

A* = 1000X SERIAL DILUTION
 1.0mL to 40mLs FV = 40X
 1.6mLs to 40mLs FV = 25X

B* = 1600X SERIAL DILUTION
 1.0mL to 40mLs FV = 40X
 1.0mL to 40mLs FV = 40X

Standard ID	Description	Method ID	Std. V ol. Used	Final Vol.	Exp. Date	Std. Conc.
ST091231-1	Calib. S t.d.	TOC Range 0.1 - 20 ppm C	NA	NA	5/11/10	20.0
ST091231-2	ICV	TOC Range 0.1 - 20 ppm C	0.6	40.0	9/8/10	1000.0
ST110811-1	RVS	TOC Range 0.1 - 20 ppm C	4.0	40.0	6/3/12	10.0
ST110811-1	CCV	TOC Range 0.1 - 20 ppm C	40.0	40.0	6/3/12	10.0
ST110823-5	LCS	TOC Range 0.1 - 20 ppm C	40.0	40.0	6/3/12	15.0
ST110803-2	*spike Std. for MS/MSD		0.4	40.0	6/3/12	1000.0
RG110920-1	12% Sodium Persulfate Reagent				9/20/12	
RG101110-2	Diluted Phosphoric Acid Reagent				11/10/11	

Double deionized water (DI) used for all dilutions and all run QC

Multiple Analysis Report Print Date/Time: 2011/10/11 9:32:46

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
=====					
BLANK	1.8142			TOC	
BLANK	0.2091			TOC	
Blank TC Range 2	281326	76455	27.18	TC	
BLANK.....	0.0151...	..	...	TOC	..
CCV	10.2514			TOC	
CCB	0.0124			TOC	
MO111010-1MB.....	-0.0387...	..	...	TOC	..
MO111010-1RVS	0.9301			TOC	
MO111010-1LCS	16.4687			TOC	
MO111010-1LCSD.....	16.4373...	..	...	TOC	..
BLANK	-0.0098			TOC	
CCV	10.2428			TOC	
CCB.....	-0.0194...	..	...	TOC	..
1110017-1	4.1186			TOC	
1110017-4	1.2212			TOC	
1110017-5.....	1.2805...	..	...	TOC	..
1110041-1	1.0354			TOC	
1110046-1	0.8211			TOC	
1110062-1.....	1.6328...	..	...	TOC	..
1110079-1	1.6660			TOC	
BLANK	0.0627			TOC	
CCV.....	10.2637...	..	...	TOC	..
CCB	0.0499			TOC	
1110022-1 40X	-0.0666			TOC	
1110022-2 40X.....	-0.0339...	..	...	TOC	..
1110022-3 40X	-0.0593			TOC	
1110022-4 40X	-0.0571			TOC	
1110022-5 40X.....	-0.0758...	..	...	TOC	..
1110022-6 40X	-0.0649			TOC	
1110022-7 40X	-0.0479			TOC	
BLANK.....	0.0160...	..	...	TOC	..
CCV	10.2730			TOC	
CCB	0.0697			TOC	
1110022-8 40X.....	-0.0389...	..	...	TOC	..
1110022-9 40X	-0.0803			TOC	
1110022-10 40X	-0.0933			TOC	
1110022-11 40X.....	-0.0656...	..	...	TOC	..
1110022-12 40X	-0.0401			TOC	
1110027-1 200X	10.9545			TOC	
1110022-1.....	0.7071...	..	...	TOC	..
BLANK	0.1153			TOC	
CCV	10.3261			TOC	
CCB.....	0.1090...	..	...	TOC	..
1110022-2	0.5548			TOC	

1110022-2MS	10.5420	TOC
1110022-2MSD.....	10.6228...	.. ...TOC ..
BLANK	0.1245	TOC
1110022-3	0.5449	TOC
1110022-4.....	0.4897...	.. ...TOC ..
1110022-5	0.5501	TOC
BLANK	0.1708	TOC
CCV.....	10.4919...	.. ...TOC ..
CCB	0.1798	TOC
1110022-6	0.5112	TOC
1110022-7.....	0.5131...	.. ...TOC ..
1110022-8	0.5837	TOC
1110022-9	0.6570	TOC
1110022-10.....	0.8028...	.. ...TOC ..
1110022-11	0.6076	TOC
1110022-12	0.7305	TOC
BLANK.....	0.0939...	.. ...TOC ..
CCV	10.3866	TOC
CCB	0.1581	TOC

Method ID	Sample Type	Vial	Timestamp	Message
=====				
TOC Range 0.1 - 20 p	Sample	1	10/10/2011 12:16	
TOC Range 0.1 - 20 p	Sample	2	10/10/2011 12:24	
Blank TC Range 2	Blank TC Range 2	3	10/10/2011 12:47	Endpoint Timeout
TOC Range 0.1 - 20 p...	Sample	.. 4..	10/10/2011 12:54	..
TOC Range 0.1 - 20 p	Sample	5	10/10/2011 13:04	
TOC Range 0.1 - 20 p	Sample	6	10/10/2011 13:12	
TOC Range 0.1 - 20 p...	Sample	.. 7..	10/10/2011 13:21	..
TOC Range 0.1 - 20 p	Sample	8	10/10/2011 13:29	
TOC Range 0.1 - 20 p	Sample	9	10/10/2011 13:40	Endpoint Timeout
TOC Range 0.1 - 20 p...	Sample	.. 10..	10/10/2011 13:51	..Endpoint Timeout
TOC Range 0.1 - 20 p	Sample	11	10/10/2011 13:59	
TOC Range 0.1 - 20 p	Sample	12	10/10/2011 14:10	Endpoint Timeout
TOC Range 0.1 - 20 p...	Sample	.. 13..	10/10/2011 14:18	..
TOC Range 0.1 - 20 p	Sample	14	10/10/2011 14:29	Endpoint Timeout
TOC Range 0.1 - 20 p	Sample	15	10/10/2011 14:38	
TOC Range 0.1 - 20 p...	Sample	.. 16..	10/10/2011 14:49	..
TOC Range 0.1 - 20 p	Sample	17	10/10/2011 14:59	
TOC Range 0.1 - 20 p	Sample	18	10/10/2011 15:08	
TOC Range 0.1 - 20 p...	Sample	.. 19..	10/10/2011 15:17	..
TOC Range 0.1 - 20 p	Sample	20	10/10/2011 15:27	
TOC Range 0.1 - 20 p	Sample	21	10/10/2011 15:35	
TOC Range 0.1 - 20 p...	Sample	.. 22..	10/10/2011 15:45	..
TOC Range 0.1 - 20 p	Sample	23	10/10/2011 15:54	
TOC Range 0.1 - 20 p	Sample	24	10/10/2011 16:02	
TOC Range 0.1 - 20 p...	Sample	.. 25..	10/10/2011 16:10	..
TOC Range 0.1 - 20 p	Sample	26	10/10/2011 16:18	
TOC Range 0.1 - 20 p	Sample	27	10/10/2011 16:26	
TOC Range 0.1 - 20 p...	Sample	.. 28..	10/10/2011 16:34	..
TOC Range 0.1 - 20 p	Sample	29	10/10/2011 16:42	
TOC Range 0.1 - 20 p	Sample	30	10/10/2011 16:51	
TOC Range 0.1 - 20 p...	Sample	.. 31..	10/10/2011 16:59	..
TOC Range 0.1 - 20 p	Sample	32	10/10/2011 17:09	
TOC Range 0.1 - 20 p	Sample	33	10/10/2011 17:18	
TOC Range 0.1 - 20 p...	Sample	.. 34..	10/10/2011 17:26	..
TOC Range 0.1 - 20 p	Sample	35	10/10/2011 17:34	
TOC Range 0.1 - 20 p	Sample	36	10/10/2011 17:42	
TOC Range 0.1 - 20 p...	Sample	.. 37..	10/10/2011 17:50	..
TOC Range 0.1 - 20 p	Sample	38	10/10/2011 17:58	
TOC Range 0.1 - 20 p	Sample	39	10/10/2011 18:09	Endpoint Timeout
TOC Range 0.1 - 20 p...	Sample	.. 40..	10/10/2011 18:19	..
TOC Range 0.1 - 20 p	Sample	41	10/10/2011 18:27	
TOC Range 0.1 - 20 p	Sample	42	10/10/2011 18:38	
TOC Range 0.1 - 20 p...	Sample	.. 43..	10/10/2011 18:46	..
TOC Range 0.1 - 20 p	Sample	44	10/10/2011 18:56	

TOC Range 0.1 - 20 p	Sample	45	10/10/2011 19:07	Endpoint Timeout
TOC Range 0.1 - 20 p...	Sample	.. 46..	10/10/2011 19:17	..
TOC Range 0.1 - 20 p	Sample	47	10/10/2011 19:26	
TOC Range 0.1 - 20 p	Sample	48	10/10/2011 19:35	
TOC Range 0.1 - 20 p...	Sample	.. 49..	10/10/2011 19:45	..
TOC Range 0.1 - 20 p	Sample	50	10/10/2011 19:54	
TOC Range 0.1 - 20 p	Sample	51	10/10/2011 20:03	
TOC Range 0.1 - 20 p...	Sample	.. 52..	10/10/2011 20:13	..
TOC Range 0.1 - 20 p	Sample	53	10/10/2011 20:22	
TOC Range 0.1 - 20 p	Sample	54	10/10/2011 20:31	
TOC Range 0.1 - 20 p...	Sample	.. 55..	10/10/2011 20:41	..
TOC Range 0.1 - 20 p	Sample	56	10/10/2011 20:50	
TOC Range 0.1 - 20 p	Sample	57	10/10/2011 21:00	
TOC Range 0.1 - 20 p...	Sample	.. 58..	10/10/2011 21:10	..
TOC Range 0.1 - 20 p	Sample	59	10/10/2011 21:20	
TOC Range 0.1 - 20 p	Sample	60	10/10/2011 21:29	
TOC Range 0.1 - 20 p...	Sample	.. 61..	10/10/2011 21:38	..
TOC Range 0.1 - 20 p	Sample	62	10/10/2011 21:48	
TOC Range 0.1 - 20 p	Sample	63	10/10/2011 21:57	

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 12:16
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1	1.8142	7.2569	2017432	4.873	5.353	90

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 12:24
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1	0.2091	0.8365	303817	-1.012	-0.519	78

=====

Sample ID: Blank TC Range 2 Mode: TC
Method: Blank TC Range 2 Filename: 10101210
Cal. Curve: default Timestamp: 10/10/2011 12:47
Operator ID: sdw Sample Type: Blank TC Range 2

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
			Baseline	Baseline	Time	
1		197151	-1.703	-1.204	83	
2		334501	-2.402	-1.409	251	
3		279198	-1.590	-1.090	130	
4		378249	-2.035	-0.875	251	
5		217532	-1.674	-1.179	85	

=====

Last Message:Endpoint Timeout

<<<Statistics>>> Mean: 281326 Std Dev: 76455 RSD:27.18

=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 12:54
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0151	0.0606	307826	-4.021	-3.522	93

Sample ID: CCV Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:04
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.2514	41.0056	11236142	-4.234	-3.735	211

Sample ID: CCB Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:12
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0124	0.0494	304848	-4.281	-3.781	92

Sample ID: MO111010-1MB Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:21
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0387	-0.1548	250348	-4.364	-3.866	90

Sample ID: MO111010-1RVS Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:29
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.9301	3.7203	1284624	-4.414	-3.915	114

Sample ID: MO111010-1LCS Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:40
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	16.4687	65.8748	17873794	-4.368	-3.856	251

Last Message:E ndpoint Timeout
=====

Sample ID: MO111010-1LCSD Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:51
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	16.4373	65.7494	17840308	-4.418	-3.845	251

Last Message:E ndpoint Timeout
=====

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 13:59
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0098	-0.0391	281216	-4.384	-3.885	90

Sample ID: CCV Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:10
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.2428	40.9711	11226934	-4.507	-3.987	251

Last Message:E ndpoint Timeout

Sample ID: CCB Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:18
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0194	-0.0776	270951	-4.417	-3.918	91

Sample ID: 1110017-1 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:29
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	4.1186	16.4744	4688717	-4.395	-1.747	251

Last Message:E ndpoint Timeout

Sample ID: 1110017-4 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:38
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	1.2212	4.8847	1595400	-4.186	-3.687	149

Sample
ID: 1110017-5 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:49
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	1.2805	5.1218	1658692	-4.210	-3.710	227

=====

Sample ID: 1110041-1 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 14:59
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	1.0354	4.1414	1397019	-4.209	-3.709	208

=====

Sample ID: 1110046-1 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:08
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.8211	3.2843	1168246	-4.187	-3.689	125

=====

Sample ID: 1110062-1 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:17
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	1.6328	6.5313	2034883	-4.222	-3.723	183

=====

Sample ID: 1110079-1 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:27
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	1.6660	6.6639	2070267	-4.224	-3.725	154

=====

Sample ID: BLANK Mode: TOC

Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:35
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0627	0.2508	358611	-4.288	-3.789	103

=====

Sample ID: CCV Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:45
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.2637	41.0547	11249240	-4.344	-3.846	207

=====

Sample ID: CCB Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 15:54
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0499	0.1996	344923	-4.288	-3.789	99

=====

Sample ID: 1110022-1 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:02
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0666	-0.2666	220515	-4.322	-3.824	88

=====

Sample ID: 1110022-2 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:10
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0339	-0.1357	255444	-4.297	-3.799	90

Sample ID: 1110022-3 40X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:18
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0593	-0.2370	228399	-4.248	-3.749	86

Sample ID: 1110022-4 40X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:26
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0571	-0.2286	230652	-4.309	-3.810	88

Sample ID: 1110022-5 40X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:34
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0758	-0.3031	210751	-4.296	-3.797	86

Sample ID: 1110022-6 40X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:42
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0649	-0.2598	222328	-4.299	-3.802	87

Sample ID: 1110022-7 40X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:51
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0479	-0.1917	240490	-4.317	-3.819	94

Sample ID: BLANK Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 16:59
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0160	0.0641	308757	-4.348	-3.851	99

Sample ID: CCV Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:09
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.2730	41.0920	11259195	-4.334	-3.836	207

Sample ID: CCB Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:18
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0697	0.2787	366033	-4.475	-3.975	107

Sample ID: 1110022-8 40X Mode: TOC

Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:26
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0389	-0.1557	250092	-4.499	-3.999	87

=====

Sample ID: 1110022-9 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:34
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0803	-0.3212	205923	-4.511	-4.013	89

=====

Sample ID: 1110022-10 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:42
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0933	-0.3733	192022	-4.576	-4.077	86

=====

Sample ID: 1110022-11 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:50
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0656	-0.2625	221591	-4.624	-4.126	85

=====

Sample ID: 1110022-12 40X Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 17:58
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	-0.0401	-0.1603	248881	-4.681	-4.182	88

Sample ID: 1110027-1 200X Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:09
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.9545	43.8181	11986813	-4.772	-2.421	251

Last Message:E ndpoint Timeout

Sample ID: 1110022-1 Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:19
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.7071	2.8283	1046540	-4.403	-3.903	177

Sample ID: BLANK Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:27
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1153	0.4613	414788	-4.661	-4.162	110

Sample ID: CCV Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:38
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
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1 10.3261 41.3044 11315906 -4.784 -4.285 225

Sample ID: CCB Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:46
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1090	0.4359	408005	-4.667	-4.169	104

Sample ID: 1110022-2 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 18:56
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5548	2.2193	883990	-4.865	-4.366	170

Sample ID: 1110022-2MS Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 19:07
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.5420	42.1680	11546395	-4.807	-4.289	251

Last Message:Endpoint Timeout

Sample ID: 1110022-2MSD Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 19:17
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.6228	42.4911	11632615	-4.816	-4.317	231

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 19:26
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1245	0.4980	424569	-4.876	-4.377	106

Sample ID: 1110022-3 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 19:35
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5449	2.1798	873447	-4.764	-4.265	165

Sample ID: 1110022-4 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW T
Timestamp: 10/10/2011 19:45
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.4897	1.9588	814455	-4.920	-4.422	171

Sample ID: 1110022-5 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 19:54
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5501	2.2004	878961	-4.904	-4.404	175

Sample ID: BLANK Mode: TOC

Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:03
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1708	0.6830	473954	-4.823	-4.323	107

=====

Sample ID: CCV Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:13
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.4919	41.9676	11492913	-4.941	-4.441	224

=====

Sample ID: CCB Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:22
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1798	0.7191	483594	-4.888	-4.390	108

=====

Sample ID: 1110022-6 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:31
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5112	2.0448	837425	-4.815	-4.315	172

=====

Sample ID: 1110022-7 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:41
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5131	2.0524	839445	-4.886	-4.387	173

Sample ID: 1110022-8 Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 20:50
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.5837	2.3346	914772	-4.917	-4.418	182

Sample ID: 1110022-9 Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:00
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.6570	2.6279	993046	-4.909	-4.411	186

Sample ID: 1110022-10 Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:10
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.8028	3.2113	1148751	-4.926	-4.426	188

Sample ID: 1110022-11 Mode: TOC
 Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
 Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:20
 Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.6076	2.4305	940374	-4.835	-4.336	180

Sample ID: 1110022-12 Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:29
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.7305	2.9221	1071587	-4.854	-4.354	183

Sample ID: BLANK Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:38
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.0939	0.3757	391935	-4.808	-4.309	102

Sample ID: CCV Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:48
Operator ID: sdw Sample Type: Sample

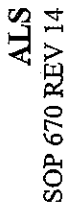
Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	10.3866	41.5462	11380431	-4.905	-4.406	221

Sample ID: CCB Mode: TOC
Method: TOC Range 0.1 - 20 ppm C Filename: 10101210
Cal. Curve: 010410LOW Timestamp: 10/10/2011 21:57
Operator ID: sdw Sample Type: Sample

Rep #	ppm C	ug C	Raw Data Baseline	Beginning Baseline	Ending Time	Integration
1	0.1581	0.6323	460425	-4.959	-4.459	117



Miscellaneous



Appendix 1

ALS Laboratory Group

[illegible]

Filter Blanks = Milli Q Double Deionized Water.

Reviewed by/date	gms	10	10	11
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405114

CONFIDENTIAL

Instrument SN 01-011007

Form 647r1.xls