



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Tim Dobransky
Cordilleran Compliance - GJ, CO
826 21 1/2 Road

Grand Junction, CO 81505

Report Summary

Monday October 15, 2007

Report Number: L303260

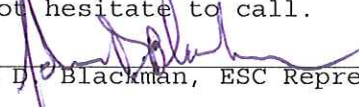
Samples Received: 07/24/07

Client Project: EGO7175

Description: Delta Flowline Release

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


John D. Blackman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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8 Samples Reported: 07/26/07 14:55 Revised: 10/15/07 10:46

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REPORT OF ANALYSIS

October 15, 2007

Tim Dobransky
Cordilleran Compliance - GJ, CO
826 21 1/2 Road
Grand Junction, CO 81505

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 CSS1 2 FT
Collected By : T P D
Collection Date : 07/23/07 12:10

ESC Sample # : L303260-01

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	3000	100	mg/kg	9056	07/25/07	10
pH	7.1		su	9045C	07/25/07	1
Specific Conductance	11000		umhos/cm	9050AMod	07/26/07	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	07/25/07	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	79.4		% Rec.	GRO	07/25/07	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	07/25/07	1
Surrogate Recovery (50-150) o-Terphenyl	58.0		% Rec.	3546/DRO	07/25/07	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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826 21 1/2 Road
Grand Junction, CO 81505

October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 CSS1 2 FT
Collected By : T P D
Collection Date : 07/23/07 12:10

ESC Sample # : L303260-02

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Sodium Adsorption Ratio	14.			Calc.	07/26/07	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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826 21 1/2 Road
Grand Junction, CO 81505

October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 BSS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:20

ESC Sample # : L303260-03

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	31.	10.	mg/kg	9056	07/24/07	1
pH	7.3		su	9045C	07/25/07	1
Specific Conductance	580		umhos/cm	9050AMod	07/26/07	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	07/25/07	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	75.1		% Rec.	GRO	07/25/07	5
TPH (GC/FID) High Fraction	73.	4.0	mg/kg	3546/DRO	07/25/07	1
Surrogate Recovery (50-150) o-Terphenyl	72.8		% Rec.	3546/DRO	07/25/07	1

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October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 BSS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:20

ESC Sample # : L303260-04

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Sodium Adsorption Ratio	0.61			Calc.	07/26/07	1

BDL - Below Detection Limit

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826 21 1/2 Road
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October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 POR SS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:30

ESC Sample # : L303260-05

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	120	10.	mg/kg	9056	07/24/07	1
pH	6.9		su	9045C	07/25/07	1
Specific Conductance	660		umhos/cm	9050AMod	07/26/07	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	07/25/07	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	81.2		% Rec.	GRO	07/25/07	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	07/25/07	1
Surrogate Recovery (50-150) o-Terphenyl	63.1		% Rec.	3546/DRO	07/25/07	1

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October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 POR SS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:30

ESC Sample # : L303260-06

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Sodium Adsorption Ratio	0.98			Calc.	07/26/07	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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826 21 1/2 Road
Grand Junction, CO 81505

October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 UGR SS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:35

ESC Sample # : L303260-07

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	66.	10.	mg/kg	9056	07/24/07	1
pH	7.0		su	9045C	07/25/07	1
Specific Conductance	560		umhos/cm	9050AMod	07/26/07	1
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	07/25/07	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene (FID)	80.2		% Rec.	GRO	07/25/07	5
TPH (GC/FID) High Fraction	9.1	4.0	mg/kg	3546/DRO	07/25/07	1
Surrogate Recovery (50-150) o-Terphenyl	56.9		% Rec.	3546/DRO	07/25/07	1

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Det. Limit - Practical Quantitation Limit (PQL)

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October 15, 2007

Date Received : July 24, 2007
Description : Delta Flowline Release
Sample ID : P11 UGR SS1 0-6 IN
Collected By : T P D
Collection Date : 07/23/07 12:35

ESC Sample # : L303260-08

Site ID :

Project # : EGO7175

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Sodium Adsorption Ratio	1.7			Calc.	07/26/07	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 07/26/07 14:55 Revised: 10/15/07 10:47

Summary of Remarks For Samples Printed
10/15/07 at 10:47:15

TSR Signing Reports: 151
R3 - Rush: Two Day

cb-1/05;Run ALKs on separate dash, 1 day TAT, R3 priority; Client sends unpreserved vials for
all projects; Run BTEXM on separate dash

Sample: L303260-01 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/26/07 00:00 RPT Date: 07/26/07 14:55
Relogged to L304351-01. Ms 7/31

Sample: L303260-02 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/27/07 00:00 RPT Date: 07/26/07 14:55

Sample: L303260-03 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/26/07 00:00 RPT Date: 07/26/07 14:55
Relogged to L304351-02. Ms 7/31

Sample: L303260-04 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/27/07 00:00 RPT Date: 07/26/07 14:55

Sample: L303260-05 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/26/07 00:00 RPT Date: 07/26/07 14:55
Relogged to L304351-03. Ms 7/31

Sample: L303260-06 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/27/07 00:00 RPT Date: 07/26/07 14:55

Sample: L303260-07 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/26/07 00:00 RPT Date: 07/26/07 14:55

Sample: L303260-08 Account: CORCOMGCO Received: 07/24/07 09:00 Due Date: 07/27/07 00:00 RPT Date: 07/26/07 14:55



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Quality Assurance Report Level II

Grand Junction, CO 81505

L303260

October 15, 2007

Analyte	Result	Laboratory Blank Units	Date Analyzed	Batch
Chloride	< 10	mg/kg	07/24/07 12:04	WG310606
TPH (GC/FID) High Fraction	< 4	ppm	07/25/07 10:34	WG311494
Specific Conductance	0.510	umhos/cm	07/26/07 07:15	WG311602
pH	7.10	su	07/25/07 14:30	WG311616
TPH (GC/FID) Low Fraction	< .1	mg/kg	07/25/07 10:43	WG311668

Analyte	Units	Duplicate Result Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	27.3 27.0	1.10	20	L302893-01	WG310606
Chloride	mg/kg	3060 3000	1.98	20	L303260-01	WG310606
Specific Conductance	umhos	1270 1300	2.10	20	L302893-01	WG311602
pH	su	9.50 9.50	0.00	20	L303228-03	WG311616
pH	su	5.50 5.60	1.80	20	L303285-01	WG311616

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
Chloride	mg/kg	299 287.	96.0	73.9-126	WG310606
TPH (GC/FID) High Fraction	ppm	60 39.1	65.2	50-150	WG311494
Specific Conductance	umhos/cm	559 580.	104.	85-115	WG311602
pH	su	8.25 8.00	97.0	85-115	WG311616
TPH (GC/FID) Low Fraction	mg/kg	5.5 4.61	83.9	67-135	WG311668

Analyte	Units	Laboratory Control Sample Duplicate LCSD Res Ref Res RPD	Limit	%Rec	Batch
Chloride	mg/kg	295. 287. 2.75	20	99	WG310606
TPH (GC/FID) High Fraction	ppm	35.9 39.1 8.75	25	60	WG311494
Specific Conductance	umhos	580. 580. 0.00	20	104	WG311602
pH	su	8.00 8.00 0.00	20	97	WG311616
TPH (GC/FID) Low Fraction	mg/kg	4.39 4.61 5.01	20	80	WG311668

Analyte	Units	Matrix Spike MS Res Ref Res TV	% Rec	Limit	Ref Samp	Batch
Chloride	mg/kg	624. 110. 500	103.	80-120	L302450-01	WG310606
TPH (GC/FID) High Fraction	ppm	36.2 0.00 60	60.4	50-150	L303197-19	WG311494
TPH (GC/FID) Low Fraction	mg/kg	20.2 0.00 5.5	73.4	55-109	L302776-09	WG311668

Analyte	Units	Matrix Spike Duplicate MSD Res Ref Res RPD	Limit	%Rec	Ref Samp	Batch
Chloride	mg/kg	630. 624. 0.957	20	104.	L302450-01	WG310606



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Quality Assurance Report
Level II

L303260

October 15, 2007

Analyte	Matrix Spike Duplicate				Limit	%Rec	Ref Samp	Batch
	Units	MSD Res	Ref Res	RPD				
TPH (GC/FID) High Fraction	ppm	38.6	36.2	6.23	25	64.3	L303197-19	WG311494
TPH (GC/FID) Low Fraction	mg/kg	18.8	20.2	6.83	20	68.5	L302776-09	WG311668

Batch number /Run number / Sample number cross reference

WG311494: R327279: L303260-01 03 05 07
WG310606: R327281: L303260-01 03 05 07
WG311668: R327356: L303260-01 03 05 07
WG311616: R327361: L303260-01 03 05 07
WG311602: R327398: L303260-01 03 05 07
WG311477: R327452: L303260-02 04 06 08

* * Calculations are performed prior to rounding of reported values .



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Quality Assurance Report
Level II

Grand Junction, CO 81505

L303260

October 15, 2007

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

