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Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: October 25, 2006

Work Order: 6090511



Project Location: Sec 16-16s 28E
Project Name: Crowflats 16st Com #1
Project Number: Crowflats 16st Com #1

30-015-21151

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
102016	Sample S-0001	soil	2006-08-30	09:00	2006-09-05
102017	Sample W-0002	soil	2006-08-30	09:05	2006-09-05
102018	Sample N-0003	soil	2006-08-30	09:10	2006-09-05
102019	Sample E-0004	soil	2006-08-30	09:15	2006-09-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 102016 - Sample S-0001

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	29668	Date Analyzed:	2006-09-01	Analyzed By:	SM
Prep Batch:	25871	Sample Preparation:	2009-09-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2.48	mg/Kg	1	2.00

Sample: 102017 - Sample W-0002

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	29668	Date Analyzed:	2006-09-01	Analyzed By:	SM
Prep Batch:	25871	Sample Preparation:	2009-09-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/Kg	1	2.00

Sample: 102018 - Sample N-0003

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	29668	Date Analyzed:	2006-09-01	Analyzed By:	SM
Prep Batch:	25871	Sample Preparation:	2009-09-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		24.0	mg/Kg	1	2.00

Sample: 102019 - Sample E-0004

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	29668	Date Analyzed:	2006-09-01	Analyzed By:	SM
Prep Batch:	25871	Sample Preparation:	2009-09-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4.56	mg/Kg	1	2.00

Method Blank (1) QC Batch: 29668

QC Batch:	29668	Date Analyzed:	2006-09-01	Analyzed By:	SM
Prep Batch:	25871	QC Preparation:	2006-09-01	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		< .5	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 29668
Prep Batch: 25871

Date Analyzed: 2006-09-01
QC Preparation: 2006-09-01

Analyzed By: SM
Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.6	mg/Kg	1	100	<0.500	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.1	mg/Kg	1	100	<0.500	98	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 102019

QC Batch: 29668
Prep Batch: 25871

Date Analyzed: 2006-09-01
QC Preparation: 2006-09-01

Analyzed By: SM
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	89.6	mg/Kg	1	100	<0.500	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	86.7	mg/Kg	1	100	<0.500	87	70 - 130	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 29668

Date Analyzed: 2006-09-01

Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2006-09-01

Standard (CCV-1)

QC Batch: 29668

Date Analyzed: 2006-09-01

Analyzed By: SM

Report Date: October 25, 2006
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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2006-09-01

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6090511

Company Name: Enovex Energy Phone #: 505-2006105
Address: (Street, City, Zip) Fax #:

ANALYSIS REQUEST (Circle or Specify Method No.)

Contact Person:

E-mail:

Invoice to: Doree Rogers

Doree.Rogers@ta.com

(If different from above)

Project #: N/A

Project Name:

Project Location (including state):

Crowflats 16st com #1

Sampler Signature:

Sec 16-16s 28E

9/11/06

LAB #
(LAB USE ONLY)

FIELD CODE

CONTAINERS

Volume / Amount

MATRIX

PRESERVATIVE

SAMPLING

WATER
SOIL
AIR
SLUDGE

HCl
HNO₃
H₂SO₄
NaOH
ICE
NONE

DATE
TIME

MTBE 8021B / 602 / 8260B / 624
BTEX 8021B / 602 / 8260B / 624
TPH 418.1 / TX1005 / TX1005 Ext(C35)
TPH 8015 GRO / DRO / TVHC
PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
TCLP Pesticides
RCI
GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C / 625
PCB's 8082 / 608
Pesticides 8081A / 608
BOD, TSS, pH
Moisture Content

Turn Around Time if different from standard

Hold

LAB #	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX	PRESERVATIVE	SAMPLING	DATE	TIME
02016	Sample 5-0001	1	4oz	X			8-300-9:00	
17	Sample 10-0002	1	4oz	X			8-310-9:05	
18	Sample 11-0003	1	4oz	X			8-340-9:10	
19	Sample E-0004	1	4oz	X			8-340-9:15	

CL 300.0

Relinquished by:

Date: 9/11/06 Time: 8:10

Received by:

Date: 9/11/06 Time: 8:10

Relinquished by:

Date: 9/11/06 Time: 8:10

Received by:

Date: 9/11/06 Time: 8:10

Relinquished by:

Date: 9/11/06 Time: 8:10

Received at Laboratory by:

Date: 9/11/06 Time: 8:10

LAB USE ONLY

Intact (Y/N)
Headspace (Y/N)
Temp (Y/N)
Log-In-Review (Y/N)

REMARKS:

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check if Special Reporting Limits Are Needed

Verbal 9-5

Donation of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

Summary Report

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Param	Flag	Result	Units	RL
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Sample: 102018 - Sample N-0003

Param	Flag	Result	Units	RL
Chloride		24.0	mg/Kg	2.00

Sample: 102019 - Sample E-0004

Param	Flag	Result	Units	RL
Chloride		4.56	mg/Kg	2.00