Work Order: 7053130 Menburne Pipe Box 18 Fed #2

Page Number: 1 of 2 1310 N 660 E Sec 17T 205 R25E

Summary Report

Dorsey Rogers Cimarex 207 S Mesa

Carlsbad, NM, 88220

Report Date: June 1, 2007

Work Order: 7053130

Project Location: 1310 N 660 E Sec 17T 205 R25E Project Name: Menburne Pipe Box 18 Fed #2

Project Number: API #30-015-35268

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
126011	Sample #001 NE 1/4	soil	2007-05-29	15:28	2007-05-31
126012	Sample #002 NW 1/4	soil	2007-05-29	15:36	2007-05-31
126013	Sample #003 SE 1/4	soil	2007-05-29	15:43	2007-05-31
126014	Sample #004 SW 1/4	soil	2007-05-29	15:50	2007-05-31
126015	Sample #005 Background	soil	2007-05-29	15:58	2007-05-31

Sample: 126011 - Sample #001 NE 1/4

Param	Flag	Result	${f Units}$	RL
Chloride		672	mg/Kg	5.00

Sample: 126012 - Sample #002 NW 1/4

Param	Flag	Result	${f Units}$	RL
Chloride		605	m mg/Kg	5.00

Sample: 126013 - Sample #003 SE 1/4

Param	Flag	Result	Units	RL
Chloride		435	mg/Kg	5.00

Sample: 126014 - Sample #004 SW 1/4

Param	Flag	Result	Units	RL
Chloride		478	mg/Kg	5.00

Sample: 126015 - Sample #005 Background

TraceAnalysis, Inc. \bullet 6701 Aberdeen Ave., Suite 9 \bullet Lubbock, TX 79424-1515 \bullet (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.

Work Order: 7053130 Menburne Pipe Box 18 Fed #2 Page Number: 2 of 2 1310 N 660 E Sec 17T 205 R25E

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	5.00



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Analytical and Quality Control Report

Dorsey Rogers Cimarex 207 S Mesa Carlsbad, NM, 88220

Report Date: June 1, 2007

Work Order: 7053130

Project Location: 1310 N 660 E Sec 17T 205 R25E Project Name: Menburne Pipe Box 18 Fed #2

Project Number: API #30-015-35268

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

Date

Date

			Date	rime	Date
\mathbf{Sample}	Description	Matrix	Taken	Taken	Received
126011	Sample #001 NE 1/4	soil	2007-05-29	15:28	2007-05-31
126012	Sample $#002 \text{ NW } 1/4$	soil	2007-05-29	15:36	2007-05-31
126013	Sample #003 SE $1/4$	soil	2007-05-29	15:43	2007-05-31
126014	Sample #004 SW 1/4	soil	2007-05-29	15:50	2007-05-31
126015	Sample #005 Background	soil	2007-05-29	15:58	2007-05-31

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

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Menburne Pipe Box 18 Fed #2 were received by TraceAnalysis, Inc. on 2007-05-31 and assigned to work order 7053130. Samples for work order 7053130 were received intact at a temperature of 4 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7053130 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Work Order: 7053130 Menburne Pipe Box 18 Fed #2

Page Number: 3 of 5 1310 N 660 E Sec 17T 205 R25E

Analytical Report

Sample:	126011	-	Sample	#001	NE	1	/4
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Chloride (Titration) Analysis:

QC Batch: 37748Prep Batch: 32708 Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-06-01 Sample Preparation: 2007-06-01

Prep Method: N/A Analyzed By: JSPrepared By:

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		672	mg/Kg	100	5.00

Sample: 126012 - Sample #002 NW 1/4

Analysis: QC Batch:

Chloride (Titration)

Analytical Method: 37748 Date Analyzed: Sample Preparation: 2007-06-01

SM 4500-Cl B 2007-06-01

Prep Method: N/A Analyzed By: JS

Prepared By: JS

Prep Batch: 32708

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		605	mg/Kg	20	5.00

Sample: 126013 - Sample #003 SE 1/4

Analysis: QC Batch: Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-06-01

Prep Method: N/A Analyzed By: JS

37748 Prep Batch: 32708

Sample Preparation: 2007-06-01

Prepared By: JS

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		435	m mg/Kg	20	5.00

Sample: 126014 - Sample #004 SW 1/4

Analysis: QC Batch: Chloride (Titration)

37748 Prep Batch: 32708 Analytical Method: SM 4500-Cl B 2007-06-01 Date Analyzed:

Prep Method: N/A Analyzed By: JS

Sample Preparation: 2007-06-01

Prepared By:

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		478	mg/Kg	20	5.00

Sample: 126015 - Sample #005 Background

Analysis: Chloride (Titration) QC Batch: 37748 Prep Batch: 32708

SM 4500-Cl B Analytical Method: Date Analyzed: 2007-06-01 Sample Preparation: 2007-06-01

Prep Method: N/A Analyzed By: JSPrepared By:

Work Order: 7053130 Menburne Pipe Box 18 Fed #2

 $\begin{array}{c} {\rm Page\ Number:\ 4\ of\ 5} \\ 1310\ N\ 660\ E\ Sec\ 17T\ 205\ R25E \end{array}$

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		<20.0	mg/Kg	4	5.00

Method Blank (1) QC Batch: 37748

QC Batch: 37748 Prep Batch: 32708

Date Analyzed: 2007-06-01 QC Preparation: 2007-06-01 Analyzed By: JS Prepared By: JS

Laboratory Control Spike (LCS-1)

QC Batch: 37748 Prep Batch: 32708 Date Analyzed: 2007-06-01 QC Preparation: 2007-06-01 Analyzed By: JS Prepared By: JS

	LCS			Spike	Matrix		Rec.
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit
Chloride	100	mg/Kg	1	100	< 3.25	100	90 - 110

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

	LCSD			Spike	Matrix		${ m Rec.}$		RPD
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	99.4	mg/Kg	1	100	< 3.25	99	90 - 110	1	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: 126015

QC Batch: 37748 Prep Batch: 32708

Date Analyzed: 2007-06-01 QC Preparation: 2007-06-01 Analyzed By: JS Prepared By: JS

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	\mathbf{Limit}
Chloride	1	213	mg/Kg	4	400	13.4	50	84.6 - 117

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

		MSD			\mathbf{Spike}	Matrix		Rec.		RPD
Param		Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	209	mg/Kg	4	400	13.4	49	84.6 - 117	2	20

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

¹Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Work Order: 7053130 Menburne Pipe Box 18 Fed #2 Page Number: 5 of 5 1310 N 660 E Sec 17T 205 R25E

Standard (ICV-1)

QC Batch: 37748

Date Analyzed: 2007-06-01

Analyzed By: JS

			$rac{ ext{ICVs}}{ ext{True}}$	$\begin{array}{c} \rm ICVs \\ \rm Found \end{array}$	$egin{array}{l} ext{ICVs} \ ext{Percent} \end{array}$	Percent Recovery	Date
Param	\mathbf{Flag}	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2007-06-01

Standard (CCV-1)

QC Batch: 37748

Date Analyzed: 2007-06-01

Analyzed By: JS

			CCVs	CCVs	CCVs	Percent	
			True	\mathbf{Found}	Percent	Recovery	Date
Param	\mathbf{Flag}	Units	Conc.	Conc.	Recovery	Limits	${f Analyzed}$
Chloride		mg/Kg	100	100	100	85 - 115	2007-06-01

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LAB Order ID# 7683130

Page 1 of 1

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