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## Analytical and Quality Control Report

Tony Tucker  
Range Operating New Mexico Inc.  
P.O. Box 300  
Loving, NM, 88256

Report Date: March 30, 2007

Work Order: 7033019

30-015-33930



Project Name: Resample Teledyne 12 Fed Com #1  
Project Number: Resample after removal of more soil

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
120394	N Wall & Floor Comp.	soil	2007-03-29	14:05	2007-03-30
120395	S Wall & Floor Comp.	soil	2007-03-29	14:20	2007-03-30
120396	E Wall & Floor Comp.	soil	2007-03-29	15:00	2007-03-30
120397	W Wall & Floor Comp.	soil	2007-03-29	15:10	2007-03-30

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 4 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.

## Analytical Report

### Sample: 120394 - N Wall & Floor Comp.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1130	mg/Kg	20	5.00

### Sample: 120395 - S Wall & Floor Comp.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1300	mg/Kg	20	5.00

### Sample: 120396 - E Wall & Floor Comp.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1690	mg/Kg	20	5.00

### Sample: 120397 - W Wall & Floor Comp.

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	Sample Preparation:	2007-03-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2010	mg/Kg	100	5.00

### Method Blank (1)      QC Batch: 36064

QC Batch:	36064	Date Analyzed:	2007-03-30	Analyzed By:	JS
Prep Batch:	31290	QC Preparation:	2007-03-30	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

#### Laboratory Control Spike (LCS-1)

QC Batch: 36064  
Prep Batch: 31290

Date Analyzed: 2007-03-30  
QC Preparation: 2007-03-30

Analyzed By: JS  
Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.2	mg/Kg	1	100	<3.25	99	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<3.25	100	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: 120390

QC Batch: 36064  
Prep Batch: 31290

Date Analyzed: 2007-03-30  
QC Preparation: 2007-03-30

Analyzed By: JS  
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	<sup>1</sup> 6710	mg/Kg	200	20000	6710	0	84.6 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	<sup>2</sup> 6510	mg/Kg	200	20000	6710	-1	84.6 - 117	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: 36064

Date Analyzed: 2007-03-30

Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2007-03-30

#### Standard (CCV-1)

QC Batch: 36064

Date Analyzed: 2007-03-30

Analyzed By: JS

<sup>1</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>2</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: March 30, 2007  
Resample after removal of more soil

Work Order: 7033019  
Resample Teledyne 12 Fed Com #1

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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	2007-03-30

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Company Name: Pangloss Operating New Mexico, Inc. Phone #: 505-706-9109  
Address: (Street, City, Zip) POB 300, Loving, NM Fax #:  
Contact Person: Tony Tucker E-mail: tucker@panglossnm.com  
Invoice to: (If different from above)  
Project #: Weldyne 12 Fed. #1 re-sample after removal of more soil Project Name: COG  
Project Location (including state): Sampler Signature:

ANALYSIS REQUEST  
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	ICE	NONE	DATE	TIME		
120394	N Wall: Moor Comp.	1			X								X	3/29/07	1405		X
395	S " " "	1			X								X		1420		
396	E " " "	1			X								X		1500		
397	W " " "	1			X								X		1510		

MTBE 8021B / 602 / 8260B / 624  
BTX 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

Soil Chlorides on all  
Email results to:  
tucker@panglossnm.com  
mike.bratcher@state.nm.us  
cmwink@mac.com

Relinquished by: [Signature] Date: 3/29/07 Time: 1650  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received at Laboratory by: [Signature] Date: 3-30-07 Time: 14:00

## LAB USE ONLY

Intact Y/N  
Headspace Y/N  
Temp RT  
Log-in-Review Am

## REMARKS:

24 Hr.

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

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

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