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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 16, 2007

Work Order: 7031513



30-015-33928

Project Number: Teledyne 12 Fed Com. #2

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
118904	N Wall & Floor Comp	soil	2007-03-13	16:00	2007-03-15
118905	S Wall & Floor Comp	soil	2007-03-13	16:20	2007-03-15
118906	W Wall & Floor Comp	soil	2007-03-13	16:30	2007-03-15
118907	E Wall & Floor Comp	soil	2007-03-13	16:40	2007-03-15

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: 118904 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35620	Date Analyzed:	2007-03-15	Analyzed By:	JS
Prep Batch:	30882	Sample Preparation:	2007-03-15	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4240	mg/Kg	200	5.00

Sample: 118905 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35620	Date Analyzed:	2007-03-15	Analyzed By:	JS
Prep Batch:	30882	Sample Preparation:	2007-03-15	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1150	mg/Kg	50	5.00

Sample: 118906 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35620	Date Analyzed:	2007-03-15	Analyzed By:	JS
Prep Batch:	30882	Sample Preparation:	2007-03-15	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4710	mg/Kg	200	5.00

Sample: 118907 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35620	Date Analyzed:	2007-03-15	Analyzed By:	JS
Prep Batch:	30882	Sample Preparation:	2007-03-15	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10000	mg/Kg	200	5.00

Method Blank (1) QC Batch: 35620

QC Batch:	35620	Date Analyzed:	2007-03-15	Analyzed By:	JS
Prep Batch:	30882	QC Preparation:	2007-03-15	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 35620 Date Analyzed: 2007-03-15 Analyzed By: JS
Prep Batch: 30882 QC Preparation: 2007-03-15 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	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.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.3	mg/Kg	1	100	<3.25	98	90 - 110	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: 118884

QC Batch: 35620 Date Analyzed: 2007-03-15 Analyzed By: JS
Prep Batch: 30882 QC Preparation: 2007-03-15 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 7940	mg/Kg	200	20000	11723	-17	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	² 7910	mg/Kg	200	20000	11723	-19	84.6 - 117	0	20

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

Standard (ICV-1)

QC Batch: 35620 Date Analyzed: 2007-03-15 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2007-03-15

Standard (CCV-1)

QC Batch: 35620 Date Analyzed: 2007-03-15 Analyzed By: JS

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

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-03-15

TraceAnalysis, Inc.

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Contact Person: <i>Tony Tucker</i>	E-mail: <i>tucker@valmet.com</i>
Invoice to: (If different from above)	
Project #: <i>Teledyne 12 Fed. Com. #2</i>	Project Name:
Project Location (including state):	Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Relinquished by:		Date:	Time:	Received by:		Date:	Time:
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Relinquished by: Shirley D. Miller Date: 3/13/07 Time: 1750

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
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Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
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Quena Riple, 3/5/07 10.05

LAB USE ONLY

Intact Y/N

Headspace Y / N

Temp. 12-

Log-in-Review

REMARKS:

24 hr

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

Carrier # REGAL 303B7050

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

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