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Analytical and Quality Control Report

Tom Brandt

Marshall & Winston Inc.

P.O. Box 50880 Midland, Tx, 79710 30-015-34879

Report Date: May 29, 2007

Work Order: 7052518

Project Name:

Dublin Federal 23 No. 1 Project Number: Dublin Federal 23 No. 1

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

			Date	rime	Date
Sample	Description	Matrix	Taken	Taken	Received
$\overline{125522}$	S Wall & Floor Comp	soil	2007-05-24	09:00	2007-05-25
125523	E Wall & Floor Comp	soil	2007-05-24	09:20	2007-05-25
125524	W Wall & Floor Comp	soil	2007-05-24	09:40	2007-05-25
125539	Background	soil	2007-05-24	00:00	2007-05-25

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 Dublin Federal 23 No. 1 were received by TraceAnalysis, Inc. on 2007-05-25 and assigned to work order 7052518. Samples for work order 7052518 were received intact at a temperature of 22 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 7052518 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.

Report Date: May 29, 2007 Dublin Federal 23 No. 1

Work Order: 7052518 Dublin Federal 23 No. 1 Page Number: 3 of 5

Analytical Report

Sample: 125522 - S Wall & Floor Comp

Analysis:

Chloride (Titration)

QC Batch: 37530 Prep Batch: 32537

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-25 Sample Preparation:

2007-05-25

Prep Method: N/A JS Analyzed By: Prepared By: JS

RL

5.00

RLUnits Dilution Parameter Flag Result Chloride 1070 mg/Kg

Sample: 125523 - E Wall & Floor Comp

Analysis: QC Batch:

Prep Batch:

Chloride (Titration)

37530 32537

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-25 Sample Preparation: 2007-05-25

Prep Method: N/A

Analyzed By: JS Prepared By: JS

RL

Flag Dilution RLParameter Result Units 4000 200 5.00 Chloride mg/Kg

Sample: 125524 - W Wall & Floor Comp

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

37530 32537 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-05-25 2007-05-25

Prep Method: N/A

Analyzed By: JS Prepared By: JS

RL

Parameter Flag Result Units Dilution RL $\overline{5.00}$ Chloride 5000 mg/Kg 200

Sample: 125539 - Background

37530

32537

Analysis: QC Batch:

Prep Batch:

Chloride (Titration)

Analytical Method: Date Analyzed: Sample Preparation: SM 4500-Cl B 2007-05-25

2007-05-25

Prep Method: N/A

Analyzed By: JS Prepared By: JS

RLDilution Parameter Flag Result Units RLChloride 93.8 5.00 mg/Kg

Method Blank (1)

QC Batch: 37530

QC Batch: 37530 Prep Batch: 32537 Date Analyzed: 2007-05-25 2007-05-25 QC Preparation:

Analyzed By: JS Prepared By:

Report Date: May 29, 2007 Dublin Federal 23 No. 1

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		MDL		
Parameter	Flag	\mathbf{Result}	${f Units}$	RL
Chloride		< 3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch:

37530 Prep Batch: 32537

Date Analyzed:

2007-05-25

QC Preparation: 2007-05-25

Analyzed By: JS

Prepared By: JS

	LCS			Spike	Matrix		Rec.
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit
Chloride	98.3	mg/Kg	1	100	< 3.25	98	90 - 110

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	\mathbf{Limit}
Chloride	101	mg/Kg	1	100	< 3.25	101	90 - 110	3	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: 125539

QC Batch:

37530

Date Analyzed:

2007-05-25

Analyzed By: JS

Prep Batch: 32537

QC Preparation: 2007-05-25

Prepared By: JS

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	1	298	mg/Kg	4	400	93.8	51	84.6 - 117

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

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	277	mg/Kg	4	400	93.8	46	84.6 - 117	7	20

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

Standard (ICV-1)

QC Batch: 37530

Date Analyzed: 2007-05-25

Analyzed By: JS

			$rac{ ext{ICVs}}{ ext{True}}$	$\begin{array}{c} \rm ICVs \\ \rm Found \end{array}$	$\begin{array}{c} \text{ICVs} \\ \text{Percent} \end{array}$	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-05-25

Standard (CCV-1)

QC Batch: 37530

Date Analyzed: 2007-05-25

Analyzed By: JS

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.

Report Date: May 29, 2007 Dublin Federal 23 No. 1

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			COM	COL	CCM	ъ.	
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	\mathbf{Units}	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-05-25

7120507 AB Order ID #

Contact Person

Project #:

6015 Harris Pkwy., Suite 110 Ft. Worth, Texas 76132 Tel (817) 201-5260 Turn Around Time if different from standard Circle or Specify Method No. Dry Weight Basis Required ANALYSIS REQUEST Moisture Content 200 East Sunset Rd., Suite E El Paso, Toxas 79922 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 HQ ,22T ,008 Pesticides 8081A / 608 PCB's 8082 / 608 mac **CC/MS Semi: Vol. 8270C / 625** REMARKS 85608 / 624 CCW2 AST BCI CIMMINIE TCLP Pesticides TCLP Semi Voiatiles TCLP Volatiles 5002 Basin Street, Suite A1 Midland, Taxas 79703 Tel (432) 689-6301 Fax (432) 689-6313 TCLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 ONLY Intact (V) N PAH 8270C / 625 TPH 8015 GRO / DRO / TVHC TPH 418.1 / TX1005 / TX1005 Ext(C35) 80218 / 602 / 82608 / 624 X3T8 \$0218 \ 602 \ 82608 \ 81208 24 6930 27 090 5/24 0940 brandto mar win am 5/24 11200 6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 16 (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1298 SAMPLING **TIME** 分子 553-4797 **BTAG** メメ PRESERVATIVE NONE ICE METHOD Sampler Signature: HOBN Date: *05²H Project Name: CONH Phone # HCI E-mail: **2**FNDCE MATRIX ЯIА TraceAnalysis, Inc. TIOS \prec **MATER** email: lab@traceanalysis.com Received by Received by pro vid Volume √ Amount Venetry Am # CONTAINERS 1 Midland 2550 Swall Herr Comp 125339 Brekground Composite 5-1mp/c 1.1 attentille at FIELD CODE 135533 E Wall & Your 3 Project Location (including state) Street, City, Zip) N * Krand+ (If different from above) when I

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05/25/07 (0:50AM Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C. 4

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