Work Order: 7052210 Dublin Federal 23 No. 1 Page Number: 1 of 1

Summary Report

Tom Brandt

Marshall & Winston Inc.

 $P.O.\ Box\ 50880$

Midland, Tx, 79710

30-015-34879

Report Date: May 22, 2007

Work Order: 7052210

Project Name: Dublin Federal 23 No. 1

			Date	${f Time}$	Date
Sample	Description	Matrix	Taken	Taken	Received
124945	N Wall & Floor Comp	soil	2007-05-21	12:00	2007-05-22
124946	S Wall & Floor Comp	soil	2007-05-21	13:10	2007-05-22
124947	E Wall & Floor Comp	soil	2007-05-21	13:30	2007-05-22
124948	W Wall & Floor	soil	2007-05-21	14:00	2007-05-22

Sample: 124945 - N Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		1110	mg/Kg	5.00

Sample: 124946 - S Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		1200	mg/Kg	5.00

Sample: 124947 - E Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		769	$_{ m mg/Kg}$	5.00

Sample: 124948 - W Wall & Floor

Param	Flag	Result	Units	RL
Chloride		916	m mg/Kg	5.00



6701 Aberdeen Avenue, Suite 9 200 East Sunset Read, Suite E. 5002 Basin Street, Suite A1 6015 Herris Parkway, Suite 110 Ft. Worth, Texas 76132

Lubbock, Toxas 79424 El Paso. Texas 79922 Midland, Texas 79703

888 • 588 • 3443

806 • 794 • 1296 915 • 585 • 3443 432 • 689 • 6301

FAX 806 • 794 • 1298 FAX 915 • 585 • 4944 FAX 432 • 689 • 6313

817 • 201 • 5260

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Tom Brandt Marshall & Winston Inc. P.O. Box 50880 Midland, Tx, 79710

Report Date: May 22, 2007

Work Order:

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
124945	N Wall & Floor Comp	soil	2007-05-21	12:00	2007-05-22
124946	S Wall & Floor Comp	soil	2007-05-21	13:10	2007-05-22
124947	E Wall & Floor Comp	soil	2007-05-21	13:30	2007-05-22
124948	W Wall & Floor	soil	2007-05-21	14:00	2007-05-22

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.

Case Narrative

Samples for project Dublin Federal 23 No. 1 were received by TraceAnalysis, Inc. on 2007-05-22 and assigned to work order 7052210. Samples for work order 7052210 were received intact at a temperature of 22 C.

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

Test	Method
Chloride (Titra	tion) 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 7052210 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 22, 2007 Dublin Federal 23 No. 1

Work Order: 7052210 Dublin Federal 23 No. 1 Page Number: 3 of 4

Analytical Report

Sample: 124945 - N Wall & Floor Comp

Analysis: Chloride (Titration)

QC Batch: 37401 Prep Batch: 32426 Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-22 Sample Preparation: 2007-05-22

Prep Method: N/A Analyzed By: $_{
m JS}$ Prepared By:

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		1110	mg/Kg	20	5.00

Sample: 124946 - S Wall & Floor Comp

Chloride (Titration) Analysis: QC Batch: 37401 Prep Batch: 32426

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-22 2007-05-22 Sample Preparation:

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

RL

Parameter	Flag	Result	Units	Dilution	$_{\rm RL}$
Chloride		1200	mg/Kg	20	5.00

Sample: 124947 - E Wall & Floor Comp

Analysis: Chloride (Titration) QC Batch: 37401 32426

Analytical Method: SM 4500-Cl B Date Analyzed: 2007-05-22 Sample Preparation: 2007-05-22

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

RT.

Parameter	Flag	Result	Units	Dilution	RL
Chloride		769	mg/Kg	20	5.00

Sample: 124948 - W Wall & Floor

Analysis: QC Batch: 37401 Prep Batch: 32426

Prep Batch:

Chloride (Titration) Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-22 Sample Preparation: 2007-05-22

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

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		916	mg/Kg	20	5.00

Method Blank (1) QC Batch: 37401

QC Batch: 37401 Prep Batch: 32426 Date Analyzed: 2007-05-22 QC Preparation: 2007-05-22 Analyzed By: JS Prepared By: JS Report Date: May 22, 2007 Dublin Federal 23 No. 1

Work Order: 7052210 Dublin Federal 23 No. 1 Page Number: 4 of 4

		MDL		
Parameter	Flag	Result	${f Units}$	RL_{-}
Chloride		< 3.25	mg/Kg	5

Matrix Spike (MS-1) Spiked Sample: 124948

QC Batch: 37401 Date Analyzed:

2007-05-22

Analyzed By: JS

Prep Batch: 32426

QC Preparation: 2007-05-22

Prepared By: JS

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	1	1180	mg/Kg	20	2000	916	13	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	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	1340	mg/Kg	20	2000	916	21	84.6 - 117	13	20

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

Standard (ICV-1)

QC Batch: 37401

Date Analyzed: 2007-05-22

Analyzed By: JS

			ICVs True	$\begin{array}{c} \rm ICVs \\ \rm Found \end{array}$	$\begin{array}{c} \rm ICVs \\ \rm Percent \end{array}$	Percent Recovery	Date
Param	\mathbf{Flag}	\mathbf{Units}	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-05-22

Standard (CCV-1)

QC Batch: 37401

Date Analyzed: 2007-05-22

Analyzed By: JS

			CCVs	CCVs	CCVs	Percent	
			${f True}$	Found	Percent	Recovery	\mathbf{Date}
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2007-05-22

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.

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LAB Order ID #	7052211	

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TraceAnalysis, Inc.

en/ail: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 I (800) 378-1296

5002 Basin Street, Suite A1 Midland, Texas 79703 Tet (432) 689-6301 Fax (432) 689-6313 200 East Sunset Rd., Suite E El Paso. Texas 79922 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443

6015 Harris Pkwy., Suite 110 Ft. Worth, Texas 76132 Tel (817) 201-5260

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