

Summary Report

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

Report Date: December 12, 2007

Work Order: 7121021



Project Name: Dublin Fed 23 #2

30-015-35737

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
144962	N Wall & Floor Comp	soil	2007-12-04	07:30	2007-12-10
144963	S Wall & Floor Comp	soil	2007-12-04	07:45	2007-12-10
144964	E Wall & Floor Comp	soil	2007-12-04	08:20	2007-12-10
144965	W Wall & Floor Comp	soil	2007-12-04	08:40	2007-12-10

Sample: 144962 - N Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		60.0	mg/Kg	5.00

Sample: 144963 - S Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	5.00

Sample: 144964 - E Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		114	mg/Kg	5.00

Sample: 144965 - W Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		664	mg/Kg	5.00



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Analytical and Quality Control Report

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

Report Date: December 12, 2007

Work Order: 7121021



Project Name: Dublin Fed 23 #2
Project Number: Dublin Fed 23 #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
144962	N Wall & Floor Comp	soil	2007-12-04	07:30	2007-12-10
144963	S Wall & Floor Comp	soil	2007-12-04	07:45	2007-12-10
144964	E Wall & Floor Comp	soil	2007-12-04	08:20	2007-12-10
144965	W Wall & Floor Comp	soil	2007-12-04	08:40	2007-12-10

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: 144962 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43771	Date Analyzed:	2007-12-11	Analyzed By:	MM
Prep Batch:	37734	Sample Preparation:	2007-12-11	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		60.0	mg/Kg	10	5.00

Sample: 144963 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43771	Date Analyzed:	2007-12-11	Analyzed By:	MM
Prep Batch:	37734	Sample Preparation:	2007-12-11	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	10	5.00

Sample: 144964 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43771	Date Analyzed:	2007-12-11	Analyzed By:	MM
Prep Batch:	37734	Sample Preparation:	2007-12-11	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		114	mg/Kg	10	5.00

Sample: 144965 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43771	Date Analyzed:	2007-12-11	Analyzed By:	MM
Prep Batch:	37734	Sample Preparation:	2007-12-11	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		664	mg/Kg	10	5.00

Method Blank (1) QC Batch: 43771

QC Batch:	43771	Date Analyzed:	2007-12-11	Analyzed By:	MM
Prep Batch:	37734	QC Preparation:	2007-12-11	Prepared By:	MM

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

Laboratory Control Spike (LCS-1)

QC Batch: 43771 Date Analyzed: 2007-12-11 Analyzed By: MM
Prep Batch: 37734 QC Preparation: 2007-12-11 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.3	mg/Kg	1	100	<3.25	99	96.1 - 103

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	99.4	mg/Kg	1	100	<3.25	99	96.1 - 103	0	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: 144969

QC Batch: 43771 Date Analyzed: 2007-12-11 Analyzed By: MM
Prep Batch: 37734 QC Preparation: 2007-12-11 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 683	mg/Kg	10	100	409.594	273	80 - 120

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	² 660	mg/Kg	10	100	409.594	250	80 - 120	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: 43771 Date Analyzed: 2007-12-11 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2007-12-11

Standard (CCV-1)

QC Batch: 43771 Date Analyzed: 2007-12-11 Analyzed By: MM

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	2007-12-11

TraceAnalysis, Inc.

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Company Name: Marshall Winston, Inc. Phone #: 432-683-7363
Address: (Street, City, Zip) Midland, TX 79701 Fax #:
Contact Person: Tom Brandt E-mail: tbrandt@mar-wins.com
Invoice to:
(If different from above)
Project #: Dublin Fed 23 #2 Project Name: CAU
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 ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
144962	N Wall-floor comp.	1		X									X	12/4/07	0730		
963	S " " "	1		X									X	12/4/07	0745		
964	E " " "	1		X									X	12/4/07	0820		
965	L " " "	1		X									X	12/4/07	0840		
FIRST Insitu pit - all composite																	
Dublin 7																	

MTBE 8021B / 602 / 8260B / 624

BTX 8021B / 602 / 8260B / 624

TPH 418 1 / TX1005 / TX1005 EX(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

PCBs 8082 / 608

Pesticides 8081A / 608

BOD, TSS, pH

Moisture Content

Turn Around Time if different from standard

Hold

Relinquished by: Paul Foulk Date: 12/4/07 Time: Received by: Date: Time:
Relinquished by: Date: Time: Received by: Date: Time:
Relinquished by: Date: Time: Received at Laboratory by: Brenda Webb Date: 12/19/07 Time: 11:05

LAB USE ONLY

Intact Y / NHeadspace Y / NTemp 22Log-in-Review WA

REMARKS:

Push

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

Carrier # Bus - GLI 169 2356370

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

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