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Analytical and Quality Control Report

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Report Date: May 29, 2007

Work Order: 7052518



30-015-34879

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.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
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.

Analytical Report

Sample: 125522 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37530	Date Analyzed:	2007-05-25	Analyzed By:	JS
Prep Batch:	32537	Sample Preparation:	2007-05-25	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1070	mg/Kg	10	5.00

Sample: 125523 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37530	Date Analyzed:	2007-05-25	Analyzed By:	JS
Prep Batch:	32537	Sample Preparation:	2007-05-25	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4000	mg/Kg	200	5.00

Sample: 125524 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37530	Date Analyzed:	2007-05-25	Analyzed By:	JS
Prep Batch:	32537	Sample Preparation:	2007-05-25	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5000	mg/Kg	200	5.00

Sample: 125539 - Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37530	Date Analyzed:	2007-05-25	Analyzed By:	JS
Prep Batch:	32537	Sample Preparation:	2007-05-25	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		93.8	mg/Kg	4	5.00

Method Blank (1) QC Batch: 37530

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

Parameter	Flag	MDL Result	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

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD 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
Prep Batch: 32537

Date Analyzed: 2007-05-25
QC Preparation: 2007-05-25

Analyzed By: JS
Prepared By: JS

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	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

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date 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.

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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	100	100	85 - 115	2007-05-25

