Field Sampling Data

April 20, 2006

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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Report Date: May 4, 2006

Work Order: 6042610

Project Number: 403436-4

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
88665	WST-06-020	soil	2006-04-20	08:20	2006-04-26
88666	WST-06-021	soil	2006-04-20	08:50	2006-04-26
88668	WST-06-023	soil	2006-04-20	10:30	2006-04-26
88669	WST-06-024	soil	2006-04-20	11:20	2006-04-26
88670	WST-06-025	soil	2006-04-20	11:20	2006-04-26
88671	WST-06-026	soil	2006-04-20	13:20	2006-04-26
88672	WST-06-027	soil	2006-04-20	13:45	2006-04-26

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 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 88665 - WST-06-020

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		23.8	mg/Kg	1	1.00

Sample: 88665 - WST-06-020

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		3.72	mg/Kg	1	1.00

Sample: 88665 - WST-06-020

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		3.51	mg/Kg	1	1.00

Sample: 88665 - WST-06-020

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88666 - WST-06-021

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		296	mg/Kg	1	1.00

Sample: 88666 - WST-06-021

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		6.49	mg/Kg	1	1.00

Sample: 88666 - WST-06-021

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		7.09	mg/Kg	1	1.00

Sample: 88666 - WST-06-021

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88668 - WST-06-023

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		191	mg/Kg	1	1.00

Sample: 88668 - WST-06-023

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		11.8	mg/Kg	1	1.00

Sample: 88668 - WST-06-023

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		6.26	mg/Kg	1	1.00

Sample: 88668 - WST-06-023

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88669 - WST-06-024

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		150	mg/Kg	1	1.00

Sample: 88669 - WST-06-024

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		2.56	mg/Kg	1	1.00

Sample: 88669 - WST-06-024

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		<1.00	mg/Kg	1	1.00

Sample: 88669 - WST-06-024

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88670 - WST-06-025

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**160**	mg/Kg	1	1.00

Sample: 88670 - WST-06-025

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**2.23**	mg/Kg	1	1.00

Sample: 88670 - WST-06-025

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		<1.00	mg/Kg	1	1.00

Sample: 88670 - WST-06-025

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88671 - WST-06-026

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		194	mg/Kg	1	1.00

Sample: 88671 - WST-06-026

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		3.15	mg/Kg	1	1.00

Sample: 88671 - WST-06-026

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		<1.00	mg/Kg	1	1.00

Sample: 88671 - WST-06-026

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Sample: 88672 - WST-06-027

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**116**	mg/Kg	1	1.00

Sample: 88672 - WST-06-027

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**4.89**	mg/Kg	1	1.00

Sample: 88672 - WST-06-027

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**4.13**	mg/Kg	1	1.00

Sample: 88672 - WST-06-027

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	26133	Date Analyzed:	2006-04-27	Analyzed By:	RR
Prep Batch:	22938	Sample Preparation:	2006-04-26	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<1.00	mg/Kg	1	1.00

Method Blank (1) QC Batch: 26133

Parameter	Flag	MDL Result	Units	RL
Total Barium	[1]	<0.601	mg/Kg	1

[1]Not entered

Method Blank (1) QC Batch: 26133

Parameter	Flag	MDL Result	Units	RL
Total Chromium	[2]	<0.125	mg/Kg	1

Method Blank (1) QC Batch: 26133

Parameter	Flag	MDL Result	Units	RL
Total Lead	[3]	<0.650	mg/Kg	1

Laboratory Control Spike (LCS-1) QC Batch: 26133

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Barium	81.5	90.1	mg/Kg	1	100	<0.601	82	10	75 - 125	20

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

Laboratory Control Spike (LCS-1) QC Batch: 26133

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Chromium	8.69	9.58	mg/Kg	1	10.0	<0.125	87	10	75 - 125	20

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

Laboratory Control Spike (LCS-1) QC Batch: 26133

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Lead	40.1	44.0	mg/Kg	1	50.0	<0.650	80	9	75 - 125	20

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

Laboratory Control Spike (LCS-1) QC Batch: 26133

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Thallium	40.1	44.2	mg/Kg	1	50.0	<0.512	80	10	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 26133 Spiked Sample: 88665

[2]Not entered
[3]Not entered

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Barium	118	107	mg/Kg	1	100	23.8	94	10	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 26133 Spiked Sample: 88665

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Chromium	14.6	12.8	mg/Kg	1	10.0	3.72	109	13	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 26133 Spiked Sample: 88665

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Lead	49.9	43.5	mg/Kg	1	50.0	3.51	93	14	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 26133 Spiked Sample: 88665

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Thallium	45.1	41.4	mg/Kg	1	50.0	<0.512	90	9	75 - 125	20

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

Standard (ICV-1) QC Batch: 26133

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/Kg	1.00	1.01	101	90 - 110	2006-04-27

Standard (ICV-1) QC Batch: 26133

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	0.997	100	90 - 110	2006-04-27

Standard (ICV-1) QC Batch: 26133

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	0.999	100	90 - 110	2006-04-27

Standard (ICV-1) QC Batch: 26133

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/Kg	1.00	1.00	100	90 - 110	2006-04-27

Standard (CCV-1) QC Batch: 26133

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/Kg	1.00	0.987	99	90 - 110	2006-04-27

Standard (CCV-1) QC Batch: 26133

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2006-04-27

Standard (CCV-1) QC Batch: 26133

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2006-04-27

Standard (CCV-1) QC Batch: 26133

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/Kg	1.00	0.962	96	90 - 110	2006-04-27

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.998	100	90 - 110	2006-04-27

Standard (CCV-1)

QC Batch: 26134 Date Analyzed: 2006-04-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.968	97	90 - 110	2006-04-27

Standard (ICV-1)

QC Batch: 26160 Date Analyzed: 2006-04-28 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00547	109	80 - 120	2006-04-28

Standard (CCV-1)

QC Batch: 26160 Date Analyzed: 2006-04-28 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Mercury		mg/L	0.00500	0.00498	100	80 - 120	2006-04-28