Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 12, 2007

Work Order: 7110817

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142191	I35	soil	2007-11-03	08:00	2007-11-08
142192	I36	soil	2007-11-03	08:45	2007-11-08
142193	I39	soil	2007-11-03	09:30	2007-11-08
142194	I40	soil	2007-11-03	10:00	2007-11-08
142195	I43	soil	2007-11-03	10:20	2007-11-08
142196	I44	soil	2007-11-03	10:45	2007-11-08

	BTEX				MTBE	TPH DRO	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
142191 - I35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
142192 - I36	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
142193 - I39					<0.0100	<50.0	<1.00
142194 - I40	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
142195 - I43	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
142196 - I44	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 142191 - I35

Param	Flag	Result	Units	RL
Chloride		**274**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**2.38**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 142192 - I36

continued ...

sample 142192 continued . . .

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**421**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**1.25**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 142193 - I39

Param	Flag	Result	Units	RL
Chloride		**50.3**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**0.853**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 142194 - I40

Param	Flag	Result	Units	RL
Chloride		**234**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**1.47**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 142195 - I43

Param	Flag	Result	Units	RL
Chloride		**888**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**2.38**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500

continued . . .

sample 142195 continued . . .

Param	Flag	Result	Units	RL
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

Sample: 142196 - I44

Param	Flag	Result	Units	RL
Chloride		**70.0**	mg/Kg	5.00
TCLP Silver		<0.125	mg/L	0.125
TCLP Arsenic		<0.100	mg/L	0.100
TCLP Barium		**1.61**	mg/L	0.100
TCLP Cadmium		<0.0500	mg/L	0.0500
TCLP Chromium		<0.100	mg/L	0.100
TCLP Mercury		<0.000500	mg/L	0.000500
TCLP Lead		<0.100	mg/L	0.100
TCLP Selenium		<0.500	mg/L	0.500

TRACEANALYSIS, INC.
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Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 12, 2007

Work Order: 7110817

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142191	I35	soil	2007-11-03	08:00	2007-11-08
142192	I36	soil	2007-11-03	08:45	2007-11-08
142193	I39	soil	2007-11-03	09:30	2007-11-08
142194	I40	soil	2007-11-03	10:00	2007-11-08
142195	I43	soil	2007-11-03	10:20	2007-11-08
142196	I44	soil	2007-11-03	10:45	2007-11-08

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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142191 - I35

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42910	Date Analyzed:	2007-11-09	Analyzed By:	KB
Prep Batch:	37021	Sample Preparation:	2007-11-09	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	69.3 - 103
4-Bromofluorobenzene (4-BFB)		1.19	mg/Kg	1	1.00	119	68.8 - 120

Sample: 142191 - I35

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42879	Date Analyzed:	2007-11-08	Analyzed By:	ER
Prep Batch:	36998	Sample Preparation:	2007-11-08	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**274**	mg/Kg	10	5.00

Sample: 142191 - I35

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		**2.38**	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.000500	mg/L	1	0.000500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 142191 - I35

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		216	mg/Kg	1	150	144	62.5 - 164

Sample: 142191 - I35

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.489	mg/Kg	1	1.00	49	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.448	mg/Kg	1	1.00	45	31.8 - 159

Sample: 142192 - I36

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.778	mg/Kg	1	1.00	78	65.4 - 124
4-Bromofluorobenzene (4-BFB)		0.738	mg/Kg	1	1.00	74	73.9 - 138

Sample: 142192 - I36

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42879	Date Analyzed:	2007-11-08	Analyzed By:	ER
Prep Batch:	36998	Sample Preparation:	2007-11-08	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**421**		mg/Kg	10	5.00

Sample: 142192 - I36

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		**1.25**		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.000500		mg/L	1	0.000500
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 142192 - I36

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO			<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	260	mg/Kg	1	150	173	62.5 - 164

Sample: 142192 - I36

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

[1] High surrogate recovery. Sample non-detect, result bias high.

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.957	mg/Kg	1	1.00	96	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.852	mg/Kg	1	1.00	85	31.8 - 159

Sample: 142193 - I39

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.0100	mg/Kg	1	0.0100

Sample: 142193 - I39

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42879	Date Analyzed:	2007-11-08	Analyzed By:	ER
Prep Batch:	36998	Sample Preparation:	2007-11-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**50.3**	mg/Kg	10	5.00

Sample: 142193 - I39

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		**0.853**	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.000500	mg/L	1	0.000500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 142193 - I39

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		183	mg/Kg	1	150	122	62.5 - 164

Sample: 142193 - I39

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.922	mg/Kg	1	1.00	92	31.8 - 159

Sample: 142194 - I40

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.851	mg/Kg	1	1.00	85	65.4 - 124
4-Bromofluorobenzene (4-BFB)		0.836	mg/Kg	1	1.00	84	73.9 - 138

Sample: 142194 - I40

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42879	Date Analyzed:	2007-11-08	Analyzed By:	ER
Prep Batch:	36998	Sample Preparation:	2007-11-08	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**234**		mg/Kg	10	5.00

Sample: 142194 - I40

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		**1.47**		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.000500		mg/L	1	0.000500
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 142194 - I40

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		206	mg/Kg	1	150	137	62.5 - 164

Sample: 142194 - I40

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.961	mg/Kg	1	1.00	96	31.8 - 159

Sample: 142195 - I43

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.872	mg/Kg	1	1.00	87	65.4 - 124
4-Bromofluorobenzene (4-BFB)		0.831	mg/Kg	1	1.00	83	73.9 - 138

Sample: 142195 - I43

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42879	Date Analyzed:	2007-11-08	Analyzed By:	ER
Prep Batch:	36998	Sample Preparation:	2007-11-08	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**888**	mg/Kg	10	5.00

Sample: 142195 - I43

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

continued . . .

sample 142195 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
TCLP Silver		<0.125	mg/L	1	0.125
TCLP Arsenic		<0.100	mg/L	1	0.100
TCLP Barium		**2.38**	mg/L	1	0.100
TCLP Cadmium		<0.0500	mg/L	1	0.0500
TCLP Chromium		<0.100	mg/L	1	0.100
TCLP Mercury		<0.000500	mg/L	1	0.000500
TCLP Lead		<0.100	mg/L	1	0.100
TCLP Selenium		<0.500	mg/L	1	0.500

Sample: 142195 - I43

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Sample: 142195 - I43

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.959	mg/Kg	1	1.00	96	31.8 - 159

Sample: 142196 - I44

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.827	mg/Kg	1	1.00	83	65.4 - 124
4-Bromofluorobenzene (4-BFB)		0.770	mg/Kg	1	1.00	77	73.9 - 138

Sample: 142196 - I44

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	42901	Date Analyzed:	2007-11-09	Analyzed By:	ER
Prep Batch:	37015	Sample Preparation:	2007-11-09	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**70.0**		mg/Kg	10	5.00

Sample: 142196 - I44

Analysis:	TCLP Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	TCLP 1311
QC Batch:	42931	Date Analyzed:	2007-11-12	Analyzed By:	RR
Prep Batch:	37041	TCLP Extraction:	2007-11-09	Prepared By:	KV
		Sample Preparation:	2007-11-12	Prepared By:	KV
Analysis:	TCLP Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	TCLP 1311
QC Batch:	42960	Date Analyzed:	2007-11-12	Analyzed By:	TP
Prep Batch:	37051	TCLP Extraction:		Prepared By:	TP
		Sample Preparation:	2007-11-12	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
TCLP Silver		<0.125		mg/L	1	0.125
TCLP Arsenic		<0.100		mg/L	1	0.100
TCLP Barium		**1.61**		mg/L	1	0.100
TCLP Cadmium		<0.0500		mg/L	1	0.0500
TCLP Chromium		<0.100		mg/L	1	0.100
TCLP Mercury		<0.000500		mg/L	1	0.000500
TCLP Lead		<0.100		mg/L	1	0.100
TCLP Selenium		<0.500		mg/L	1	0.500

Sample: 142196 - I44

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42880	Date Analyzed:	2007-11-08	Analyzed By:	RM
Prep Batch:	36999	Sample Preparation:	2007-08-07	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	62.5 - 164

Sample: 142196 - I44

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.884	mg/Kg	1	1.00	88	31.8 - 159

Method Blank (1) QC Batch: 42873

QC Batch:	42873	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.00136	mg/Kg	0.01
Benzene		<0.00333	mg/Kg	0.01
Toluene		<0.00372	mg/Kg	0.01
Ethylbenzene		<0.00206	mg/Kg	0.01
Xylene		<0.00259	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.804	mg/Kg	1	1.00	80	74.3 - 112
4-Bromofluorobenzene (4-BFB)		0.483	mg/Kg	1	1.00	48	43.1 - 98.8

Method Blank (1) QC Batch: 42874

QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	1	1.00	97	96 - 115
4-Bromofluorobenzene (4-BFB)		0.556	mg/Kg	1	1.00	56	51.6 - 103

Method Blank (1) QC Batch: 42879

QC Batch: 42879 Date Analyzed: 2007-11-08 Analyzed By: ER
Prep Batch: 36998 QC Preparation: 2007-11-08 Prepared By: ER

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

Method Blank (1) QC Batch: 42880

QC Batch: 42880 Date Analyzed: 2007-11-08 Analyzed By: RM
Prep Batch: 36999 QC Preparation: 2007-11-08 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Method Blank (1) QC Batch: 42901

QC Batch: 42901 Date Analyzed: 2007-11-09 Analyzed By: ER
Prep Batch: 37015 QC Preparation: 2007-11-09 Prepared By: ER

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

Method Blank (1) QC Batch: 42910

QC Batch: 42910 Date Analyzed: 2007-11-09 Analyzed By: KB
Prep Batch: 37021 QC Preparation: 2007-11-09 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000860	mg/Kg	0.01
Toluene		<0.00210	mg/Kg	0.01
Ethylbenzene		<0.00988	mg/Kg	0.01
Xylene		<0.00163	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.908	mg/Kg	1	1.00	91	72.9 - 113
4-Bromofluorobenzene (4-BFB)		0.741	mg/Kg	1	1.00	74	62.6 - 112

Method Blank (1) QC Batch: 42931

QC Batch: 42931 | Date Analyzed: 2007-11-12 | Analyzed By: RR
Prep Batch: 37041 | QC Preparation: 2007-11-12 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
TCLP Silver		<0.00780	mg/L	0.125
TCLP Arsenic		<0.0590	mg/L	0.1
TCLP Barium		<0.00340	mg/L	0.1
TCLP Cadmium		<0.00270	mg/L	0.05
TCLP Chromium		<0.00660	mg/L	0.1
TCLP Lead		<0.0370	mg/L	0.1
TCLP Selenium		<0.100	mg/L	0.5

Method Blank (1) QC Batch: 42960

QC Batch: 42960 | Date Analyzed: 2007-11-12 | Analyzed By: TP
Prep Batch: 37051 | QC Preparation: 2007-11-12 | Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
TCLP Mercury		<0.0000610	mg/L	0.0005

Laboratory Control Spike (LCS-1)

QC Batch: 42873 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.942	mg/Kg	1	1.00	<0.00136	94	71.9 - 108
Benzene	0.908	mg/Kg	1	1.00	<0.00333	91	79.4 - 109
Toluene	0.891	mg/Kg	1	1.00	<0.00372	89	80.4 - 109
Ethylbenzene	0.816	mg/Kg	1	1.00	<0.00206	82	81.3 - 107
Xylene	2.50	mg/Kg	1	3.00	<0.00259	83	81.4 - 108

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
MTBE	0.942	mg/Kg	1	1.00	<0.00136	94	71.9 - 108	0	20
Benzene	0.906	mg/Kg	1	1.00	<0.00333	91	79.4 - 109	0	20
Toluene	0.890	mg/Kg	1	1.00	<0.00372	89	80.4 - 109	0	20

continued ...

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	0.815	mg/Kg	1	1.00	<0.00206	82	81.3 - 107	0	20
Xylene	2.50	mg/Kg	1	3.00	<0.00259	83	81.4 - 108	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.851	0.857	mg/Kg	1	1.00	85	86	75.8 - 111
4-Bromofluorobenzene (4-BFB)	0.751	0.747	mg/Kg	1	1.00	75	75	69.8 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.58	mg/Kg	1	10.0	<0.459	86	78.7 - 108

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
GRO	9.12	mg/Kg	1	10.0	<0.459	91	78.7 - 108	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.919	0.904	mg/Kg	1	1.00	92	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.779	0.765	mg/Kg	1	1.00	78	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42879 | Date Analyzed: 2007-11-08 | Analyzed By: ER
Prep Batch: 36998 | QC Preparation: 2007-11-08 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	102	mg/Kg	1	100	<3.25	102	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	100	mg/Kg	1	100	<3.25	100	96.1 - 103	2	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: 42880 | Date Analyzed: 2007-11-08 | Analyzed By: RM
Prep Batch: 36999 | QC Preparation: 2007-11-08 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	264	mg/Kg	1	250	<10.7	106	64.1 - 124

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
DRO	290	mg/Kg	1	250	<10.7	116	64.1 - 124	9	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	214	216	mg/Kg	1	150	143	144	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 42901 | Date Analyzed: 2007-11-09 | Analyzed By: ER
Prep Batch: 37015 | QC Preparation: 2007-11-09 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<3.25	100	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	100	mg/Kg	1	100	<3.25	100	96.1 - 103	0	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: 42910 | Date Analyzed: 2007-11-09 | Analyzed By: KB
Prep Batch: 37021 | QC Preparation: 2007-11-09 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.940	mg/Kg	1	1.00	<0.000860	94	79.9 - 113
Toluene	0.963	mg/Kg	1	1.00	<0.00211	96	80.2 - 113
Ethylbenzene	0.967	mg/Kg	1	1.00	<0.000988	97	80 - 113
Xylene	2.94	mg/Kg	1	3.00	<0.00163	98	79 - 111

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

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control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.931	mg/Kg	1	1.00	<0.000860	93	79.9 - 113	1	20
Toluene	0.949	mg/Kg	1	1.00	<0.00211	95	80.2 - 113	1	20
Ethylbenzene	0.960	mg/Kg	1	1.00	<0.000988	96	80 - 113	1	20
Xylene	2.92	mg/Kg	1	3.00	<0.00163	97	79 - 111	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.02	1.01	mg/Kg	1	1.00	102	101	81.3 - 116
4-Bromofluorobenzene (4-BFB)	1.10	1.09	mg/Kg	1	1.00	110	109	85.8 - 119

Laboratory Control Spike (LCS-1)

QC Batch: 42931 | Date Analyzed: 2007-11-12 | Analyzed By: RR
Prep Batch: 37041 | QC Preparation: 2007-11-12 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.19	mg/L	1	1.25	<0.00780	95	82.5 - 112
TCLP Arsenic	4.68	mg/L	1	5.00	<0.0590	94	81.2 - 113
TCLP Barium	9.30	mg/L	1	10.0	<0.00340	93	80.1 - 113
TCLP Cadmium	2.37	mg/L	1	2.50	<0.00270	95	82 - 111
TCLP Chromium	0.955	mg/L	1	1.00	<0.00660	96	89.5 - 112
TCLP Lead	4.82	mg/L	1	5.00	<0.0370	96	84.9 - 107
TCLP Selenium	4.44	mg/L	1	5.00	<0.100	89	80.2 - 98.7

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
TCLP Silver	1.20	mg/L	1	1.25	<0.00780	96	82.5 - 112	1	20
TCLP Arsenic	4.86	mg/L	1	5.00	<0.0590	97	81.2 - 113	4	20
TCLP Barium	9.67	mg/L	1	10.0	<0.00340	97	80.1 - 113	4	20
TCLP Cadmium	2.41	mg/L	1	2.50	<0.00270	96	82 - 111	2	20
TCLP Chromium	0.975	mg/L	1	1.00	<0.00660	98	89.5 - 112	2	20
TCLP Lead	4.84	mg/L	1	5.00	<0.0370	97	84.9 - 107	0	20
TCLP Selenium	4.52	mg/L	1	5.00	<0.100	90	80.2 - 98.7	2	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: 42960 | Date Analyzed: 2007-11-12 | Analyzed By: TP
Prep Batch: 37051 | QC Preparation: 2007-11-12 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.00532	mg/L	1	0.00500	<0.0000610	106	91.9 - 123

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
TCLP Mercury	0.00529	mg/L	1	0.00500	<0.0000610	106	91.9 - 123	1	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: 142191

QC Batch: 42873 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.650	mg/Kg	1	1.00	<0.00136	65	34.2 - 95.4
Benzene	0.698	mg/Kg	1	1.00	<0.00333	70	43.2 - 116
Toluene	0.737	mg/Kg	1	1.00	<0.00372	74	46.3 - 121
Ethylbenzene	0.758	mg/Kg	1	1.00	<0.00206	76	54.2 - 127
Xylene	2.30	mg/Kg	1	3.00	<0.00259	77	49.9 - 131

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
MTBE	0.695	mg/Kg	1	1.00	<0.00136	70	34.2 - 95.4	7	20
Benzene	0.739	mg/Kg	1	1.00	<0.00333	74	43.2 - 116	6	20
Toluene	0.776	mg/Kg	1	1.00	<0.00372	78	46.3 - 121	5	20
Ethylbenzene	0.799	mg/Kg	1	1.00	<0.00206	80	54.2 - 127	5	20
Xylene	2.43	mg/Kg	1	3.00	<0.00259	81	49.9 - 131	6	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.722	0.748	mg/Kg	1	1	72	75	68 - 127
4-Bromofluorobenzene (4-BFB)	0.747	0.791	mg/Kg	1	1	75	79	68.6 - 144

Matrix Spike (MS-1) Spiked Sample: 142194

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	12.7	mg/Kg	1	10.0	<0.459	127	51.3 - 130

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

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matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.90	mg/Kg	1	10.0	<0.459	79	51.3 - 130	47	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.615	0.690	mg/Kg	1	1	62	69	56.1 - 124
4-Bromofluorobenzene (4-BFB)	0.772	0.851	mg/Kg	1	1	77	85	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 141361

QC Batch: 42879 | Date Analyzed: 2007-11-08 | Analyzed By: ER
Prep Batch: 36998 | QC Preparation: 2007-11-08 | Prepared By: ER

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[2]	5370	mg/Kg	10	500	5016.92	71	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	[3]	5220	mg/Kg	10	500	5016.92	41	80 - 120	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: 142192

QC Batch: 42880 | Date Analyzed: 2007-11-08 | Analyzed By: RM
Prep Batch: 36999 | QC Preparation: 2007-11-08 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	196	mg/Kg	1	250	<10.7	78	47.5 - 127

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
DRO	199	mg/Kg	1	250	<10.7	80	47.5 - 127	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	193	191	mg/Kg	1	150	129	127	62.5 - 164

[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 142196

QC Batch: 42901 | Date Analyzed: 2007-11-09 | Analyzed By: ER
Prep Batch: 37015 | QC Preparation: 2007-11-09 | Prepared By: ER

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[4]	1090	mg/Kg	10	500	70.058	204	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	[5]	1080	mg/Kg	10	500	70.058	202	80 - 120	1	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: 142446

QC Batch: 42910 | Date Analyzed: 2007-11-09 | Analyzed By: KB
Prep Batch: 37021 | QC Preparation: 2007-11-09 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.698	mg/Kg	1	1.00	<0.000860	70	35 - 116
Toluene	0.766	mg/Kg	1	1.00	<0.000211	77	36.4 - 122
Ethylbenzene	0.824	mg/Kg	1	1.00	<0.000988	82	41.2 - 124
Xylene	2.54	mg/Kg	1	3.00	<0.00163	85	40.6 - 123

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
Benzene	0.724	mg/Kg	1	1.00	<0.000860	72	35 - 116	4	20
Toluene	0.791	mg/Kg	1	1.00	<0.000211	79	36.4 - 122	3	20
Ethylbenzene	0.854	mg/Kg	1	1.00	<0.000988	85	41.2 - 124	4	20
Xylene	2.63	mg/Kg	1	3.00	<0.00163	88	40.6 - 123	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.07	1.07	mg/Kg	1	1	107	107	72.3 - 137
4-Bromofluorobenzene (4-BFB)	1.23	1.29	mg/Kg	1	1	123	129	67.8 - 146

Matrix Spike (MS-1) Spiked Sample: 142191

QC Batch: 42931 | Date Analyzed: 2007-11-12 | Analyzed By: RR
Prep Batch: 37041 | QC Preparation: 2007-11-12 | Prepared By: KV

[4]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Silver	1.30	mg/L	1	1.25	<0.00780	104	86.6 - 106
TCLP Arsenic	5.20	mg/L	1	5.00	<0.0590	104	85.6 - 111
TCLP Barium	12.6	mg/L	1	10.0	2.38	102	82.3 - 109
TCLP Cadmium	2.57	mg/L	1	2.50	<0.00270	103	80.1 - 108
TCLP Chromium	1.04	mg/L	1	1.00	<0.00660	104	85.1 - 113
TCLP Lead	4.98	mg/L	1	5.00	<0.0370	100	80.9 - 105
TCLP Selenium	4.83	mg/L	1	5.00	<0.100	97	77 - 102

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
TCLP Silver	1.17	mg/L	1	1.25	<0.00780	94	86.6 - 106	10	20
TCLP Arsenic	4.61	mg/L	1	5.00	<0.0590	92	85.6 - 111	12	20
TCLP Barium	11.2	mg/L	1	10.0	2.38	88	82.3 - 109	12	20
TCLP Cadmium	2.30	mg/L	1	2.50	<0.00270	92	80.1 - 108	11	20
TCLP Chromium	0.907	mg/L	1	1.00	<0.00660	91	85.1 - 113	14	20
TCLP Lead	4.57	mg/L	1	5.00	<0.0370	91	80.9 - 105	9	20
TCLP Selenium	4.10	mg/L	1	5.00	<0.100	82	77 - 102	16	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: 142191

QC Batch: 42960 | Date Analyzed: 2007-11-12 | Analyzed By: TP
Prep Batch: 37051 | QC Preparation: 2007-11-12 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
TCLP Mercury	0.00511	mg/L	1	0.00500	<0.0000610	102	89.7 - 124

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
TCLP Mercury	0.00512	mg/L	1	0.00500	<0.0000610	102	89.7 - 124	0	20

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

Standard (ICV-1)

QC Batch: 42873 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.0951	95	85 - 115	2007-11-08
Benzene		mg/Kg	0.100	0.0914	91	85 - 115	2007-11-08
Toluene		mg/Kg	0.100	0.0898	90	85 - 115	2007-11-08
Ethylbenzene	[6]	mg/Kg	0.100	0.0823	82	85 - 115	2007-11-08

continued ...

[6]Ethylbenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 86 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene	[7]	mg/Kg	0.300	0.252	84	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42873 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.0900	90	85 - 115	2007-11-08
Benzene		mg/Kg	0.100	0.0894	89	85 - 115	2007-11-08
Toluene		mg/Kg	0.100	0.0890	89	85 - 115	2007-11-08
Ethylbenzene	[8]	mg/Kg	0.100	0.0831	83	85 - 115	2007-11-08
Xylene		mg/Kg	0.300	0.255	85	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42874 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.852	85	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42874 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.895	90	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42879 Date Analyzed: 2007-11-08 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-11-08

[7]Xylene outside of control limits on CCV(ICV). CCV(ICV) component average is 86 which is within acceptable range. This is acceptable by Method 8000.

[8]Ethylbenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 85 which is within acceptable range. This is acceptable by Method 8000.

Standard (CCV-1)

QC Batch: 42879 Date Analyzed: 2007-11-08 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42880 Date Analyzed: 2007-11-08 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	260	104	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42880 Date Analyzed: 2007-11-08 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	286	114	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42901 Date Analyzed: 2007-11-09 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42901 Date Analyzed: 2007-11-09 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.0	99	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 42910 Date Analyzed: 2007-11-09 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0958	96	85 - 115	2007-11-09
Toluene		mg/Kg	0.100	0.0978	98	85 - 115	2007-11-09
Ethylbenzene		mg/Kg	0.100	0.0988	99	85 - 115	2007-11-09
Xylene		mg/Kg	0.300	0.301	100	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42910 Date Analyzed: 2007-11-09 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0924	92	85 - 115	2007-11-09
Toluene		mg/Kg	0.100	0.0948	95	85 - 115	2007-11-09
Ethylbenzene		mg/Kg	0.100	0.0961	96	85 - 115	2007-11-09
Xylene		mg/Kg	0.300	0.293	98	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 42931 Date Analyzed: 2007-11-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.127	102	90 - 110	2007-11-12
TCLP Arsenic		mg/L	1.00	0.994	99	90 - 110	2007-11-12
TCLP Barium		mg/L	1.00	1.02	102	90 - 110	2007-11-12
TCLP Cadmium		mg/L	1.00	1.01	101	90 - 110	2007-11-12
TCLP Chromium		mg/L	1.00	1.00	100	90 - 110	2007-11-12
TCLP Lead		mg/L	1.00	1.03	103	90 - 110	2007-11-12
TCLP Selenium		mg/L	1.00	1.02	102	90 - 110	2007-11-12

Standard (CCV-1)

QC Batch: 42931 Date Analyzed: 2007-11-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TCLP Silver		mg/L	0.125	0.123	98	90 - 110	2007-11-12
TCLP Arsenic		mg/L	1.00	0.994	99	90 - 110	2007-11-12
TCLP Barium		mg/L	1.00	0.977	98	90 - 110	2007-11-12
TCLP Cadmium		mg/L	1.00	1.00	100	90 - 110	2007-11-12
TCLP Chromium		mg/L	1.00	0.979	98	90 - 110	2007-11-12
TCLP Lead		mg/L	1.00	0.980	98	90 - 110	2007-11-12
TCLP Selenium		mg/L	1.00	1.01	101	90 - 110	2007-11-12

Standard (ICV-1)

QC Batch: 42960 | Date Analyzed: 2007-11-12 | 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	0.00488	98	90 - 110	2007-11-12

Standard (CCV-1)

QC Batch: 42960 | Date Analyzed: 2007-11-12 | 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	0.00508	102	80 - 120	2007-11-12

Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110824

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142241	B34	soil	2007-10-11	11:30	2007-11-08
142242	B37	soil	2007-10-11	12:00	2007-11-08
142243	B38	soil	2007-10-11	12:30	2007-11-08
142244	B41	soil	2007-10-11	13:00	2007-11-08
142245	B42	soil	2007-10-11	13:30	2007-11-08
142246	B45	soil	2007-10-12	15:00	2007-11-08
142247	B46	soil	2007-10-12	15:30	2007-11-08
142248	Background	soil	2007-10-12	16:00	2007-11-08

Sample - Field Code		TPH DRO DRO (mg/Kg)		TPH GRO GRO (mg/Kg)
142241 - B34		<50.0		<1.00
142242 - B37		<50.0		<1.00
142243 - B38		<50.0		<1.00
142244 - B41		<50.0		<1.00
142245 - B42		<50.0		<1.00
142246 - B45		<50.0		<1.00
142247 - B46		<50.0		<1.00
142248 - Background		<50.0		**1.38**

Sample: 142241 - B34

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

Sample: 142242 - B37

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

Sample: 142243 - B38

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

Sample: 142244 - B41

Param	Flag	Result	Units	RL
Chloride		**976**	mg/Kg	5.00

Sample: 142245 - B42

Param	Flag	Result	Units	RL
Chloride		**923**	mg/Kg	5.00

Sample: 142246 - B45

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

Sample: 142247 - B46

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

Sample: 142248 - Background

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

TRACEANALYSIS, INC.
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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110824

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142241	B34	soil	2007-10-11	11:30	2007-11-08
142242	B37	soil	2007-10-11	12:00	2007-11-08
142243	B38	soil	2007-10-11	12:30	2007-11-08
142244	B41	soil	2007-10-11	13:00	2007-11-08
142245	B42	soil	2007-10-11	13:30	2007-11-08
142246	B45	soil	2007-10-12	15:00	2007-11-08
142247	B46	soil	2007-10-12	15:30	2007-11-08
142248	Background	soil	2007-10-12	16:00	2007-11-08

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142241 - B34

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142241 - B34

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[1]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		163	mg/Kg	1	150	109	62.5 - 164

Sample: 142241 - B34

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[2]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142242 - B37

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142242 - B37

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[3]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142242 - B37

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[4]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142243 - B38

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142243 - B38

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[5]	<50.0	mg/Kg	1	50.0

[3] Sample received out of hold time
[4] Sample ran out of hold time per client's request. •
[5] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		143	mg/Kg	1	150	95	62.5 - 164

Sample: 142243 - B38

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	31.8 - 159

Sample: 142244 - B41

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**976**	mg/Kg	10	5.00

Sample: 142244 - B41

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		175	mg/Kg	1	150	117	62.5 - 164

Sample: 142244 - B41

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[8]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	31.8 - 159

Sample: 142245 - B42

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**923**	mg/Kg	10	5.00

Sample: 142245 - B42

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[9]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	150	90	62.5 - 164

Sample: 142245 - B42

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[10]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	31.8 - 159

[8] Sample ran out of hold time per client's request. •
[9] Sample received out of hold time
[10] Sample ran out of hold time per client's request. •

Sample: 142246 - B45

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142246 - B45

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[11]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Sample: 142246 - B45

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[12]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	1	1.00	111	31.8 - 159

Sample: 142247 - B46

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142247 - B46

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142247 - B46

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142248 - Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142248 - Background

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		193	mg/Kg	1	150	129	62.5 - 164

Sample: 142248 - Background

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.38**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	31.8 - 159

Method Blank (1) QC Batch: 42874

QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	1	1.00	97	96 - 115
4-Bromofluorobenzene (4-BFB)		0.556	mg/Kg	1	1.00	56	51.6 - 103

Method Blank (1) QC Batch: 42877

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[16]	0.921	mg/Kg	1	1.00	92	96 - 115
4-Bromofluorobenzene (4-BFB)		0.580	mg/Kg	1	1.00	58	51.6 - 103

[16] Spike recovery outside control limits but within method limits. •

Method Blank (1) QC Batch: 42923

QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	QC Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		213	mg/Kg	1	150	142	62.5 - 164

Method Blank (1) QC Batch: 43038

QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	QC Preparation:	2007-11-09	Prepared By:	MM

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

Laboratory Control Spike (LCS-1)

QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.58	mg/Kg	1	10.0	<0.459	86	78.7 - 108

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
GRO	9.12	mg/Kg	1	10.0	<0.459	91	78.7 - 108	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.919	0.904	mg/Kg	1	1.00	92	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.779	0.765	mg/Kg	1	1.00	78	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.86	mg/Kg	1	10.0	<0.459	79	78.7 - 108

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
GRO	8.68	mg/Kg	1	10.0	<0.459	87	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.895	0.900	mg/Kg	1	1.00	90	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.762	0.758	mg/Kg	1	1.00	76	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	254	mg/Kg	1	250	<10.7	102	64.1 - 124

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
DRO	255	mg/Kg	1	250	<10.7	102	64.1 - 124	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	196	199	mg/Kg	1	150	131	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37136 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	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	97.9	mg/Kg	1	100	<3.25	98	96.1 - 103	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: 142194

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	12.7	mg/Kg	1	10.0	<0.459	127	51.3 - 130

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
GRO	7.90	mg/Kg	1	10.0	<0.459	79	51.3 - 130	47	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.615	0.690	mg/Kg	1	1	62	69	56.1 - 124
4-Bromofluorobenzene (4-BFB)	0.772	0.851	mg/Kg	1	1	77	85	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142228

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.459	101	51.3 - 130

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
GRO	16.2	mg/Kg	1	12.5	<0.459	130	51.3 - 130	46	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	1.22	mg/Kg	1	1	94	122	56.1 - 124
4-Bromofluorobenzene (4-BFB)	1.04	1.43	mg/Kg	1	1	104	143	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142240

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [17]	211	mg/Kg	1	250	<10.7	84	47.5 - 127

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

[17] Sample received out of hold time

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[18]	201	mg/Kg	1	250	<10.7	80	47.5 - 127	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	175	170	mg/Kg	1	150	117	113	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142250

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37136 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	474	mg/Kg	10	500	49.642	85	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	514	mg/Kg	10	500	49.642	93	80 - 120	8	20

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

Standard (ICV-1)

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.852	85	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.895	90	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB

[18] Sample received out of hold time

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.882	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	253	101	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	102	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43038 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM

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	2007-11-10

LAB Order ID # 7110824 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Company Name: Pb Weed Control - Transport
Phone #:
Address: (Street, City, Zip) 913 S. Mesa Carlsbad, NM 88220
Fax #:
Contact Person: Scott Brunson
E-mail: Shelly Tucker
Invoice to: (If different from above)
Project #:
Project Name: Violet St - Center St
Project Location (including state): City of Carlsbad, N.M.
Sampler Signature: Shelly Tucker

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
142241	B31	1			X							X		10/11/07	1130
242	B27	1			X							X		10/11/07	1200
243	B28	1			X							X		10/11/07	1230
244	B41	1			X							X		10/11/07	1300
245	B42	1			X							X		10/11/07	1330
246	B45	1			X							X		10/12/07	1300
247	B44	1			X							X		10/12/07	1530
248	Background	1			X							X		10/12/07	1200

ANALYSIS REQUEST columns: MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624; TPH 418.1 / TX1005 / TX1005 Ext(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; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Turn Around Time if different from standard; Hold

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Shelly Tucker	VES	102007	1700	Bus		102007	1700	

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in Review

REMARKS:

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

Carrier # Bus GLI 3014356568

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

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TRACEANALYSIS, INC.
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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110824

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142241	B34	soil	2007-10-11	11:30	2007-11-08
142242	B37	soil	2007-10-11	12:00	2007-11-08
142243	B38	soil	2007-10-11	12:30	2007-11-08
142244	B41	soil	2007-10-11	13:00	2007-11-08
142245	B42	soil	2007-10-11	13:30	2007-11-08
142246	B45	soil	2007-10-12	15:00	2007-11-08
142247	B46	soil	2007-10-12	15:30	2007-11-08
142248	Background	soil	2007-10-12	16:00	2007-11-08

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142241 - B34

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142241 - B34

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[1]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		163	mg/Kg	1	150	109	62.5 - 164

Sample: 142241 - B34

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[2]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142242 - B37

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142242 - B37

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[3]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142242 - B37

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[4]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142243 - B38

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142243 - B38

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[5]	<50.0	mg/Kg	1	50.0

[3] Sample received out of hold time
[4] Sample ran out of hold time per client's request. •
[5] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		143	mg/Kg	1	150	95	62.5 - 164

Sample: 142243 - B38

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	31.8 - 159

Sample: 142244 - B41

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**976**	mg/Kg	10	5.00

Sample: 142244 - B41

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		175	mg/Kg	1	150	117	62.5 - 164

Sample: 142244 - B41

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[8]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	31.8 - 159

Sample: 142245 - B42

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**923**	mg/Kg	10	5.00

Sample: 142245 - B42

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[9]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	150	90	62.5 - 164

Sample: 142245 - B42

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[10]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	31.8 - 159

[8] Sample ran out of hold time per client's request. •
[9] Sample received out of hold time
[10] Sample ran out of hold time per client's request. •

Sample: 142246 - B45

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142246 - B45

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[11]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Sample: 142246 - B45

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[12]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	1	1.00	111	31.8 - 159

Sample: 142247 - B46

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142247 - B46

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142247 - B46

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142248 - Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142248 - Background

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		193	mg/Kg	1	150	129	62.5 - 164

Sample: 142248 - Background

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.38**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	31.8 - 159

Method Blank (1) QC Batch: 42874

QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	1	1.00	97	96 - 115
4-Bromofluorobenzene (4-BFB)		0.556	mg/Kg	1	1.00	56	51.6 - 103

Method Blank (1) QC Batch: 42877

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[16]	0.921	mg/Kg	1	1.00	92	96 - 115
4-Bromofluorobenzene (4-BFB)		0.580	mg/Kg	1	1.00	58	51.6 - 103

[16] Spike recovery outside control limits but within method limits. •

Method Blank (1) QC Batch: 42923

QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	QC Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		213	mg/Kg	1	150	142	62.5 - 164

Method Blank (1) QC Batch: 43038

QC Batch:	43038	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37136	QC Preparation:	2007-11-09	Prepared By:	MM

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

Laboratory Control Spike (LCS-1)

QC Batch:	42874	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36993	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.58	mg/Kg	1	10.0	<0.459	86	78.7 - 108

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
GRO	9.12	mg/Kg	1	10.0	<0.459	91	78.7 - 108	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.919	0.904	mg/Kg	1	1.00	92	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.779	0.765	mg/Kg	1	1.00	78	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.86	mg/Kg	1	10.0	<0.459	79	78.7 - 108

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
GRO	8.68	mg/Kg	1	10.0	<0.459	87	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.895	0.900	mg/Kg	1	1.00	90	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.762	0.758	mg/Kg	1	1.00	76	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	254	mg/Kg	1	250	<10.7	102	64.1 - 124

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
DRO	255	mg/Kg	1	250	<10.7	102	64.1 - 124	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	196	199	mg/Kg	1	150	131	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37136 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	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	97.9	mg/Kg	1	100	<3.25	98	96.1 - 103	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: 142194

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36993 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	12.7	mg/Kg	1	10.0	<0.459	127	51.3 - 130

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
GRO	7.90	mg/Kg	1	10.0	<0.459	79	51.3 - 130	47	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.615	0.690	mg/Kg	1	1	62	69	56.1 - 124
4-Bromofluorobenzene (4-BFB)	0.772	0.851	mg/Kg	1	1	77	85	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142228

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.459	101	51.3 - 130

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
GRO	16.2	mg/Kg	1	12.5	<0.459	130	51.3 - 130	46	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	1.22	mg/Kg	1	1	94	122	56.1 - 124
4-Bromofluorobenzene (4-BFB)	1.04	1.43	mg/Kg	1	1	104	143	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142240

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [17]	211	mg/Kg	1	250	<10.7	84	47.5 - 127

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

[17] Sample received out of hold time

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[18]	201	mg/Kg	1	250	<10.7	80	47.5 - 127	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	175	170	mg/Kg	1	150	117	113	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142250

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37136 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	474	mg/Kg	10	500	49.642	85	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	514	mg/Kg	10	500	49.642	93	80 - 120	8	20

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

Standard (ICV-1)

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.852	85	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42874 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.895	90	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB

[18] Sample received out of hold time

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.882	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	253	101	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	102	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43038 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43038 | Date Analyzed: 2007-11-10 | Analyzed By: MM

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	2007-11-10

LAB Order ID # 7110824 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: Pb Weed Control - Transport
Phone #:
Address: (Street, City, Zip) 913 S. Mesa Carlsbad, NM 88220
Fax #:
Contact Person: Scott Brunson
E-mail: Shelly Tucker
Invoice to: (If different from above)
Project #:
Project Name: Violet St - Center St
Project Location (including state): City of Carlsbad, N.M.
Sampler Signature: Shelly Tucker

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
142241	B31	1			X							X		10/11/07	1130
242	B27	1			X							X		10/11/07	1200
243	B28	1			X							X		10/11/07	1230
244	B41	1			X							X		10/11/07	1300
245	B42	1			X							X		10/11/07	1330
246	B45	1			X							X		10/12/07	1300
247	B44	1			X							X		10/12/07	1530
248	Background	1			X							X		10/12/07	1200

ANALYSIS REQUEST columns: MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624; TPH 418.1 / TX1005 / TX1005 Ext(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; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Turn Around Time if different from standard; Hold

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Shelly Tucker	VES	102007	1700	Bus		102007	1700	

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in Review

REMARKS:

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

Carrier # Bus GLI 3014356568

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

ORIGINAL COPY

TRACEANALYSIS, INC.
6701 Aberdeen Avenue, Suite 9 | Lubbock, Texas 79424 | 800•378•1296 | 806•794•1296 | FAX 806•794•1298
2501 East Sunset Road, Suite E | El Paso, Texas 79922 | 888•588•3443 | 915•585•3443 | FAX 915•585•4944
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8345 Hanis Parkway, Suite 110 | Ft. Worth, Texas 76132 | 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110823

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142230	B23	soil	2007-10-10	17:00	2007-11-08
142231	B24	soil	2007-10-10	17:30	2007-11-08
142232	B25	soil	2007-10-10	10:00	2007-11-08
142233	B26	soil	2007-10-10	10:30	2007-11-08
142234	B27	soil	2007-10-10	11:00	2007-11-08
142235	B28	soil	2007-10-10	11:30	2007-11-08
142236	B29	soil	2007-10-10	12:00	2007-11-08
142237	B30	soil	2007-10-10	12:30	2007-11-08
142238	B31	soil	2007-10-10	13:00	2007-11-08
142239	B32	soil	2007-10-10	13:30	2007-11-08
142240	B33	soil	2007-10-10	11:00	2007-11-08

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.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142230 - B23

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142230 - B23

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[1]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		171	mg/Kg	1	150	114	62.5 - 164

Sample: 142230 - B23

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[2]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.903	mg/Kg	1	1.00	90	31.8 - 159

Sample: 142231 - B24

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142231 - B24

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[3]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		203	mg/Kg	1	150	135	62.5 - 164

Sample: 142231 - B24

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[4]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.973	mg/Kg	1	1.00	97	31.8 - 159

Sample: 142232 - B25

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142232 - B25

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[5]	<50.0		mg/Kg	1	50.0

[3] Sample received out of hold time
[4] Sample ran out of hold time per client's request. •
[5] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Sample: 142232 - B25

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.17	mg/Kg	1	1.00	117	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	31.8 - 159

Sample: 142233 - B26

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142233 - B26

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142233 - B26

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[8]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.938	mg/Kg	1	1.00	94	31.8 - 159

Sample: 142234 - B27

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142234 - B27

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[9]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142234 - B27

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[10]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	31.8 - 159

[8]Sample ran out of hold time per client's request. •
[9]Sample received out of hold time
[10]Sample ran out of hold time per client's request. •

Sample: 142235 - B28

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142235 - B28

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[11]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		215	mg/Kg	1	150	143	62.5 - 164

Sample: 142235 - B28

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[12]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.960	mg/Kg	1	1.00	96	31.8 - 159

Sample: 142236 - B29

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142236 - B29

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 142236 - B29

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.997	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142237 - B30

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142237 - B30

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		198	mg/Kg	1	150	132	62.5 - 164

Sample: 142237 - B30

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[16]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.995	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142238 - B31

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142238 - B31

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[17]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 142238 - B31

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[16] Sample ran out of hold time per client's request. •
[17] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[18]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142239 - B32

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142239 - B32

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[19]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Sample: 142239 - B32

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[20]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	31.8 - 159

[18] Sample ran out of hold time per client's request. •
[19] Sample received out of hold time
[20] Sample ran out of hold time per client's request. •

Sample: 142240 - B33

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142240 - B33

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[21]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		139	mg/Kg	1	150	93	62.5 - 164

Sample: 142240 - B33

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[22]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Method Blank (1) QC Batch: 42877

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

[21] Sample received out of hold time
[22] Sample ran out of hold time per client's request. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[23]	0.921	mg/Kg	1	1.00	92	96 - 115
4-Bromofluorobenzene (4-BFB)		0.580	mg/Kg	1	1.00	58	51.6 - 103

Method Blank (1) QC Batch: 42922

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM
Prep Batch: 37034 QC Preparation: 2007-11-09 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	62.5 - 164

Method Blank (1) QC Batch: 42923

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM
Prep Batch: 37035 QC Preparation: 2007-11-09 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		213	mg/Kg	1	150	142	62.5 - 164

Method Blank (1) QC Batch: 43036

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37134 QC Preparation: 2007-11-09 Prepared By: MM

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

Method Blank (1) QC Batch: 43037

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37135 QC Preparation: 2007-11-09 Prepared By: MM

[23] Spike recovery outside control limits but within method limits. •

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

Laboratory Control Spike (LCS-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.86	mg/Kg	1	10.0	<0.459	79	78.7 - 108

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
GRO	8.68	mg/Kg	1	10.0	<0.459	87	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.895	0.900	mg/Kg	1	1.00	90	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.762	0.758	mg/Kg	1	1.00	76	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	278	mg/Kg	1	250	<10.7	111	64.1 - 124

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
DRO	266	mg/Kg	1	250	<10.7	106	64.1 - 124	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	188	195	mg/Kg	1	150	125	130	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	254	mg/Kg	1	250	<10.7	102	64.1 - 124

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
DRO	255	mg/Kg	1	250	<10.7	102	64.1 - 124	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	196	199	mg/Kg	1	150	131	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43036 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37134 | QC Preparation: 2007-11-09 | 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	102	mg/Kg	1	100	<3.25	102	96.1 - 103	3	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: 43037 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37135 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	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	100	mg/Kg	1	100	<3.25	100	96.1 - 103	1	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: 142228

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.459	101	51.3 - 130

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
GRO	16.2	mg/Kg	1	12.5	<0.459	130	51.3 - 130	46	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	1.22	mg/Kg	1	1	94	122	56.1 - 124
4-Bromofluorobenzene (4-BFB)	1.04	1.43	mg/Kg	1	1	104	143	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142224

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [24]	164	mg/Kg	1	250	<10.7	66	47.5 - 127

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
DRO [25]	222	mg/Kg	1	250	<10.7	89	47.5 - 127	30	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	129	139	mg/Kg	1	150	86	93	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142240

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [26]	211	mg/Kg	1	250	<10.7	84	47.5 - 127

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

continued ...

[24] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time
[25] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time
[26] Sample received out of hold time

matrix spikes continued ...

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [27]	201	mg/Kg	1	250	<10.7	80	47.5 - 127	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	175	170	mg/Kg	1	150	117	113	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142230

QC Batch: 43036 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37134 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	480	mg/Kg	10	500	<32.5	92	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	507	mg/Kg	10	500	<32.5	97	80 - 120	6	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: 142240

QC Batch: 43037 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37135 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	506	mg/Kg	10	500	<32.5	95	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	476	mg/Kg	10	500	<32.5	89	80 - 120	6	20

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

Standard (ICV-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB

[27] Sample received out of hold time

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.882	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	259	104	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	253	101	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	102	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2007-11-10

Standard (CCV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-11-10

Standard (ICV-1)

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.9	100	85 - 115	2007-11-10

Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110823

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142230	B23	soil	2007-10-10	17:00	2007-11-08
142231	B24	soil	2007-10-10	17:30	2007-11-08
142232	B25	soil	2007-10-10	10:00	2007-11-08
142233	B26	soil	2007-10-10	10:30	2007-11-08
142234	B27	soil	2007-10-10	11:00	2007-11-08
142235	B28	soil	2007-10-10	11:30	2007-11-08
142236	B29	soil	2007-10-10	12:00	2007-11-08
142237	B30	soil	2007-10-10	12:30	2007-11-08
142238	B31	soil	2007-10-10	13:00	2007-11-08
142239	B32	soil	2007-10-10	13:30	2007-11-08
142240	B33	soil	2007-10-10	11:00	2007-11-08

Sample - Field Code		TPH DRO DRO (mg/Kg)		TPH GRO GRO (mg/Kg)
142230 - B23		<50.0		<1.00
142231 - B24		<50.0		<1.00
142232 - B25		<50.0		<1.00
142233 - B26		<50.0		<1.00
142234 - B27		<50.0		<1.00
142235 - B28		<50.0		<1.00
142236 - B29		<50.0		<1.00
142237 - B30		<50.0		<1.00
142238 - B31		<50.0		<1.00
142239 - B32		<50.0		<1.00
142240 - B33		<50.0		<1.00

Sample: 142230 - B23

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

Sample: 142231 - B24

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

Sample: 142232 - B25

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

Sample: 142233 - B26

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

Sample: 142234 - B27

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

Sample: 142235 - B28

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

Sample: 142236 - B29

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

Sample: 142237 - B30

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

Sample: 142238 - B31

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

Sample: 142239 - B32

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

Sample: 142240 - B33

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

Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110822

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142219	B12	soil	2007-10-08	18:30	2007-11-08
142220	B13	soil	2007-10-09	12:00	2007-11-08
142221	B14	soil	2007-10-09	12:30	2007-11-08
142222	B15	soil	2007-10-09	13:00	2007-11-08
142223	B16	soil	2007-10-09	13:30	2007-11-08
142224	B17	soil	2007-10-09	14:00	2007-11-08
142225	B18	soil	2007-10-09	14:30	2007-11-08
142226	B19	soil	2007-10-09	15:00	2007-11-08
142227	B20	soil	2007-10-09	15:30	2007-11-08
142228	B21	soil	2007-10-09	16:00	2007-11-08
142229	B22	soil	2007-10-09	16:30	2007-11-08

Sample - Field Code		TPH DRO DRO (mg/Kg)		TPH GRO GRO (mg/Kg)
142219 - B12		<50.0		<1.00
142220 - B13		<50.0		<1.00
142221 - B14		<50.0		<1.00
142222 - B15		<50.0		<1.00
142223 - B16		<50.0		<1.00
142224 - B17		<50.0		<1.00
142225 - B18		<50.0		<1.00
142226 - B19		<50.0		<1.00
142227 - B20		<50.0		<1.00
142228 - B21		<50.0		<1.00
142229 - B22		<50.0		<1.00

Sample: 142219 - B12

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

Sample: 142220 - B13

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

Sample: 142221 - B14

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

Sample: 142222 - B15

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

Sample: 142223 - B16

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

Sample: 142224 - B17

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

Sample: 142225 - B18

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

Sample: 142226 - B19

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

Sample: 142227 - B20

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

Sample: 142228 - B21

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

Sample: 142229 - B22

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

TRACEANALYSIS, INC.
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Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110823

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142230	B23	soil	2007-10-10	17:00	2007-11-08
142231	B24	soil	2007-10-10	17:30	2007-11-08
142232	B25	soil	2007-10-10	10:00	2007-11-08
142233	B26	soil	2007-10-10	10:30	2007-11-08
142234	B27	soil	2007-10-10	11:00	2007-11-08
142235	B28	soil	2007-10-10	11:30	2007-11-08
142236	B29	soil	2007-10-10	12:00	2007-11-08
142237	B30	soil	2007-10-10	12:30	2007-11-08
142238	B31	soil	2007-10-10	13:00	2007-11-08
142239	B32	soil	2007-10-10	13:30	2007-11-08
142240	B33	soil	2007-10-10	11:00	2007-11-08

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.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142230 - B23

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142230 - B23

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[1]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		171	mg/Kg	1	150	114	62.5 - 164

Sample: 142230 - B23

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[2]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.903	mg/Kg	1	1.00	90	31.8 - 159

Sample: 142231 - B24

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142231 - B24

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[3]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		203	mg/Kg	1	150	135	62.5 - 164

Sample: 142231 - B24

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[4]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.973	mg/Kg	1	1.00	97	31.8 - 159

Sample: 142232 - B25

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142232 - B25

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[5]	<50.0		mg/Kg	1	50.0

[3] Sample received out of hold time
[4] Sample ran out of hold time per client's request. •
[5] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Sample: 142232 - B25

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.17	mg/Kg	1	1.00	117	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	31.8 - 159

Sample: 142233 - B26

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142233 - B26

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142233 - B26

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[8]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.938	mg/Kg	1	1.00	94	31.8 - 159

Sample: 142234 - B27

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142234 - B27

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[9]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142234 - B27

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[10]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	31.8 - 159

[8]Sample ran out of hold time per client's request. •
[9]Sample received out of hold time
[10]Sample ran out of hold time per client's request. •

Sample: 142235 - B28

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142235 - B28

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[11]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		215	mg/Kg	1	150	143	62.5 - 164

Sample: 142235 - B28

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[12]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.960	mg/Kg	1	1.00	96	31.8 - 159

Sample: 142236 - B29

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142236 - B29

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 142236 - B29

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.997	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142237 - B30

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142237 - B30

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		198	mg/Kg	1	150	132	62.5 - 164

Sample: 142237 - B30

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[16]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.995	mg/Kg	1	1.00	100	31.8 - 159

Sample: 142238 - B31

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142238 - B31

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[17]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 142238 - B31

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

[16] Sample ran out of hold time per client's request. •
[17] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[18]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142239 - B32

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142239 - B32

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[19]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Sample: 142239 - B32

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[20]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	31.8 - 159

[18] Sample ran out of hold time per client's request. •
[19] Sample received out of hold time
[20] Sample ran out of hold time per client's request. •

Sample: 142240 - B33

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43037	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37135	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142240 - B33

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42923	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37035	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[21]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		139	mg/Kg	1	150	93	62.5 - 164

Sample: 142240 - B33

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[22]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Method Blank (1) QC Batch: 42877

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

[21] Sample received out of hold time
[22] Sample ran out of hold time per client's request. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[23]	0.921	mg/Kg	1	1.00	92	96 - 115
4-Bromofluorobenzene (4-BFB)		0.580	mg/Kg	1	1.00	58	51.6 - 103

Method Blank (1) QC Batch: 42922

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM
Prep Batch: 37034 QC Preparation: 2007-11-09 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	62.5 - 164

Method Blank (1) QC Batch: 42923

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM
Prep Batch: 37035 QC Preparation: 2007-11-09 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		213	mg/Kg	1	150	142	62.5 - 164

Method Blank (1) QC Batch: 43036

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37134 QC Preparation: 2007-11-09 Prepared By: MM

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

Method Blank (1) QC Batch: 43037

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37135 QC Preparation: 2007-11-09 Prepared By: MM

[23] Spike recovery outside control limits but within method limits. •

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

Laboratory Control Spike (LCS-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.86	mg/Kg	1	10.0	<0.459	79	78.7 - 108

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
GRO	8.68	mg/Kg	1	10.0	<0.459	87	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.895	0.900	mg/Kg	1	1.00	90	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.762	0.758	mg/Kg	1	1.00	76	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	278	mg/Kg	1	250	<10.7	111	64.1 - 124

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
DRO	266	mg/Kg	1	250	<10.7	106	64.1 - 124	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	188	195	mg/Kg	1	150	125	130	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	254	mg/Kg	1	250	<10.7	102	64.1 - 124

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
DRO	255	mg/Kg	1	250	<10.7	102	64.1 - 124	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	196	199	mg/Kg	1	150	131	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43036 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37134 | QC Preparation: 2007-11-09 | 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	102	mg/Kg	1	100	<3.25	102	96.1 - 103	3	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: 43037 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37135 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	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	100	mg/Kg	1	100	<3.25	100	96.1 - 103	1	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: 142228

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.459	101	51.3 - 130

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
GRO	16.2	mg/Kg	1	12.5	<0.459	130	51.3 - 130	46	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	1.22	mg/Kg	1	1	94	122	56.1 - 124
4-Bromofluorobenzene (4-BFB)	1.04	1.43	mg/Kg	1	1	104	143	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142224

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [24]	164	mg/Kg	1	250	<10.7	66	47.5 - 127

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
DRO [25]	222	mg/Kg	1	250	<10.7	89	47.5 - 127	30	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	129	139	mg/Kg	1	150	86	93	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142240

QC Batch: 42923 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37035 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [26]	211	mg/Kg	1	250	<10.7	84	47.5 - 127

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

continued ...

[24] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time
[25] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time
[26] Sample received out of hold time

matrix spikes continued ...

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [27]	201	mg/Kg	1	250	<10.7	80	47.5 - 127	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	175	170	mg/Kg	1	150	117	113	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142230

QC Batch: 43036 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37134 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	480	mg/Kg	10	500	<32.5	92	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	507	mg/Kg	10	500	<32.5	97	80 - 120	6	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: 142240

QC Batch: 43037 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37135 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	506	mg/Kg	10	500	<32.5	95	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	476	mg/Kg	10	500	<32.5	89	80 - 120	6	20

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

Standard (ICV-1)

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB

[27] Sample received out of hold time

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.882	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	259	104	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	253	101	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42923 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	102	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2007-11-10

Standard (CCV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-11-10

Standard (ICV-1)

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43037 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.9	100	85 - 115	2007-11-10

Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110823

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142230	B23	soil	2007-10-10	17:00	2007-11-08
142231	B24	soil	2007-10-10	17:30	2007-11-08
142232	B25	soil	2007-10-10	10:00	2007-11-08
142233	B26	soil	2007-10-10	10:30	2007-11-08
142234	B27	soil	2007-10-10	11:00	2007-11-08
142235	B28	soil	2007-10-10	11:30	2007-11-08
142236	B29	soil	2007-10-10	12:00	2007-11-08
142237	B30	soil	2007-10-10	12:30	2007-11-08
142238	B31	soil	2007-10-10	13:00	2007-11-08
142239	B32	soil	2007-10-10	13:30	2007-11-08
142240	B33	soil	2007-10-10	11:00	2007-11-08

Sample - Field Code		TPH DRO DRO (mg/Kg)		TPH GRO GRO (mg/Kg)
142230 - B23		<50.0		<1.00
142231 - B24		<50.0		<1.00
142232 - B25		<50.0		<1.00
142233 - B26		<50.0		<1.00
142234 - B27		<50.0		<1.00
142235 - B28		<50.0		<1.00
142236 - B29		<50.0		<1.00
142237 - B30		<50.0		<1.00
142238 - B31		<50.0		<1.00
142239 - B32		<50.0		<1.00
142240 - B33		<50.0		<1.00

Sample: 142230 - B23

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

Sample: 142231 - B24

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

Sample: 142232 - B25

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

Sample: 142233 - B26

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

Sample: 142234 - B27

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

Sample: 142235 - B28

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

Sample: 142236 - B29

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

Sample: 142237 - B30

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

Sample: 142238 - B31

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

Sample: 142239 - B32

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

Sample: 142240 - B33

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

Summary Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110822

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142219	B12	soil	2007-10-08	18:30	2007-11-08
142220	B13	soil	2007-10-09	12:00	2007-11-08
142221	B14	soil	2007-10-09	12:30	2007-11-08
142222	B15	soil	2007-10-09	13:00	2007-11-08
142223	B16	soil	2007-10-09	13:30	2007-11-08
142224	B17	soil	2007-10-09	14:00	2007-11-08
142225	B18	soil	2007-10-09	14:30	2007-11-08
142226	B19	soil	2007-10-09	15:00	2007-11-08
142227	B20	soil	2007-10-09	15:30	2007-11-08
142228	B21	soil	2007-10-09	16:00	2007-11-08
142229	B22	soil	2007-10-09	16:30	2007-11-08

Sample - Field Code		TPH DRO DRO (mg/Kg)		TPH GRO GRO (mg/Kg)
142219 - B12		<50.0		<1.00
142220 - B13		<50.0		<1.00
142221 - B14		<50.0		<1.00
142222 - B15		<50.0		<1.00
142223 - B16		<50.0		<1.00
142224 - B17		<50.0		<1.00
142225 - B18		<50.0		<1.00
142226 - B19		<50.0		<1.00
142227 - B20		<50.0		<1.00
142228 - B21		<50.0		<1.00
142229 - B22		<50.0		<1.00

Sample: 142219 - B12

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

Sample: 142220 - B13

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

Sample: 142221 - B14

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

Sample: 142222 - B15

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

Sample: 142223 - B16

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

Sample: 142224 - B17

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

Sample: 142225 - B18

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

Sample: 142226 - B19

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

Sample: 142227 - B20

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

Sample: 142228 - B21

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

Sample: 142229 - B22

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

TRACEANALYSIS, INC.
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Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110822

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142219	B12	soil	2007-10-08	18:30	2007-11-08
142220	B13	soil	2007-10-09	12:00	2007-11-08
142221	B14	soil	2007-10-09	12:30	2007-11-08
142222	B15	soil	2007-10-09	13:00	2007-11-08
142223	B16	soil	2007-10-09	13:30	2007-11-08
142224	B17	soil	2007-10-09	14:00	2007-11-08
142225	B18	soil	2007-10-09	14:30	2007-11-08
142226	B19	soil	2007-10-09	15:00	2007-11-08
142227	B20	soil	2007-10-09	15:30	2007-11-08
142228	B21	soil	2007-10-09	16:00	2007-11-08
142229	B22	soil	2007-10-09	16:30	2007-11-08

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.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142219 - B12

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142219 - B12

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[1]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		196	mg/Kg	1	150	131	62.5 - 164

Sample: 142219 - B12

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[2]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.988	mg/Kg	1	1.00	99	31.8 - 159

Sample: 142220 - B13

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142220 - B13

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[3]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		201	mg/Kg	1	150	134	62.5 - 164

Sample: 142220 - B13

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[4]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.947	mg/Kg	1	1.00	95	31.8 - 159

Sample: 142221 - B14

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142221 - B14

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[5]	<50.0		mg/Kg	1	50.0

[3]Sample received out of hold time
[4]Sample ran out of hold time per client's request. •
[5]Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		200	mg/Kg	1	150	133	62.5 - 164

Sample: 142221 - B14

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	31.8 - 159

Sample: 142222 - B15

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142222 - B15

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		201	mg/Kg	1	150	134	62.5 - 164

Sample: 142222 - B15

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[8]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142223 - B16

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142223 - B16

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[9]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	150	119	62.5 - 164

Sample: 142223 - B16

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[10]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.996	mg/Kg	1	1.00	100	31.8 - 159

[8]Sample ran out of hold time per client's request. •
[9]Sample received out of hold time
[10]Sample ran out of hold time per client's request. •

Sample: 142224 - B17

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142224 - B17

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[11]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		170	mg/Kg	1	150	113	62.5 - 164

Sample: 142224 - B17

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[12]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.21	mg/Kg	1	1.00	121	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	31.8 - 159

Sample: 142225 - B18

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142225 - B18

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		202	mg/Kg	1	150	135	62.5 - 164

Sample: 142225 - B18

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.22	mg/Kg	1	1.00	122	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142226 - B19

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142226 - B19

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		107	mg/Kg	1	150	71	62.5 - 164

Sample: 142226 - B19

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[16]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	31.8 - 159

Sample: 142227 - B20

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142227 - B20

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[17]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		186	mg/Kg	1	150	124	62.5 - 164

Sample: 142227 - B20

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

[16] Sample ran out of hold time per client's request. •
[17] Sample received out of hold time

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[18]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	31.8 - 159

Sample: 142228 - B21

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142228 - B21

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[19]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		181	mg/Kg	1	150	121	62.5 - 164

Sample: 142228 - B21

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[20]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.981	mg/Kg	1	1.00	98	31.8 - 159

[18] Sample ran out of hold time per client's request. •
[19] Sample received out of hold time
[20] Sample ran out of hold time per client's request. •

Sample: 142229 - B22

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142229 - B22

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42922	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37034	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[21]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		200	mg/Kg	1	150	133	62.5 - 164

Sample: 142229 - B22

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[22]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.805	mg/Kg	1	1.00	80	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.767	mg/Kg	1	1.00	77	31.8 - 159

Method Blank (1) QC Batch: 42876

QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

[21] Sample received out of hold time
[22] Sample ran out of hold time per client's request. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[23]	0.911	mg/Kg	1	1.00	91	96 - 115
4-Bromofluorobenzene (4-BFB)		0.573	mg/Kg	1	1.00	57	51.6 - 103

Method Blank (1) QC Batch: 42877

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[24]	0.921	mg/Kg	1	1.00	92	96 - 115
4-Bromofluorobenzene (4-BFB)		0.580	mg/Kg	1	1.00	58	51.6 - 103

Method Blank (1) QC Batch: 42921

QC Batch: 42921 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37033 | QC Preparation: 2007-11-09 | Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		197	mg/Kg	1	150	131	62.5 - 164

Method Blank (1) QC Batch: 42922

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	62.5 - 164

[23] Spike recovery outside control limits but within method limits. •
[24] Spike recovery outside control limits but within method limits. •

Method Blank (1) QC Batch: 43035

QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	QC Preparation:	2007-11-09	Prepared By:	MM

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

Method Blank (1) QC Batch: 43036

QC Batch:	43036	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37134	QC Preparation:	2007-11-09	Prepared By:	MM

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

Laboratory Control Spike (LCS-1)

QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.21	mg/Kg	1	10.0	<0.459	82	78.7 - 108

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
GRO	9.03	mg/Kg	1	10.0	<0.459	90	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.864	0.923	mg/Kg	1	1.00	86	92	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.760	0.778	mg/Kg	1	1.00	76	78	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch:	42877	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36996	QC Preparation:	2007-11-08	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.86	mg/Kg	1	10.0	<0.459	79	78.7 - 108

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
GRO	8.68	mg/Kg	1	10.0	<0.459	87	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.895	0.900	mg/Kg	1	1.00	90	90	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.762	0.758	mg/Kg	1	1.00	76	76	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42921 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37033 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	251	mg/Kg	1	250	<10.7	100	64.1 - 124

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
DRO	273	mg/Kg	1	250	<10.7	109	64.1 - 124	8	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	194	201	mg/Kg	1	150	129	134	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	278	mg/Kg	1	250	<10.7	111	64.1 - 124

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
DRO	266	mg/Kg	1	250	<10.7	106	64.1 - 124	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	188	195	mg/Kg	1	150	125	130	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43035 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37133 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	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	102	mg/Kg	1	100	<3.25	102	96.1 - 103	1	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: 43036 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37134 | QC Preparation: 2007-11-09 | 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	102	mg/Kg	1	100	<3.25	102	96.1 - 103	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: 142210

QC Batch: 42876 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36995 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.3	mg/Kg	1	10.0	<0.459	103	51.3 - 130

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
GRO	11.9	mg/Kg	1	10.0	<0.459	119	51.3 - 130	14	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.864	0.978	mg/Kg	1	1	86	98	56.1 - 124
4-Bromofluorobenzene (4-BFB)	0.995	1.13	mg/Kg	1	1	100	113	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142228

QC Batch: 42877 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36996 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.459	101	51.3 - 130

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
GRO	16.2	mg/Kg	1	12.5	<0.459	130	51.3 - 130	46	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	1.22	mg/Kg	1	1	94	122	56.1 - 124
4-Bromofluorobenzene (4-BFB)	1.04	1.43	mg/Kg	1	1	104	143	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142209

QC Batch: 42921 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37033 | QC Preparation: 2007-11-09 | Prepared By: RM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[25]	142	mg/Kg	1	250	<10.7	57	47.5 - 127

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
DRO	[26]	145	mg/Kg	1	250	<10.7	58	47.5 - 127	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	153	154	mg/Kg	1	150	102	103	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142224

QC Batch: 42922 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37034 | QC Preparation: 2007-11-09 | Prepared By: RM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[27]	164	mg/Kg	1	250	<10.7	66	47.5 - 127

[25] Sample received out of hold time
[26] Sample received out of hold time
[27] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time

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
DRO	[28]	222	mg/Kg	1	250	<10.7	89	47.5 - 127	30	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	129	139	mg/Kg	1	150	86	93	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 142220

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37133 QC Preparation: 2007-11-09 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	541	mg/Kg	10	500	<32.5	102	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	502	mg/Kg	10	500	<32.5	94	80 - 120	8	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: 142230

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37134 QC Preparation: 2007-11-09 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	480	mg/Kg	10	500	<32.5	92	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	507	mg/Kg	10	500	<32.5	97	80 - 120	6	20

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

Standard (ICV-1)

QC Batch: 42876 Date Analyzed: 2007-11-08 Analyzed By: KB

[28] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. Sample received out of hold time

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.889	89	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42876 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.863	86	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.882	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42877 Date Analyzed: 2007-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	240	96	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	275	110	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42922 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (ICV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2007-11-10

Standard (CCV-1)

QC Batch: 43036 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-11-10

LAB Order ID # 7110822 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: SW Weed Control / Transport
Phone #:
Address: (Street, City, Zip) 213 S. Mesa Carlsbad, NM 88220
Fax #:
Contact Person: Scott Braxton
E-mail: Shelly Tucker
Invoice to: (If different from above)
Project #:
Project Name: Violet St + Center St
Project Location (including state): City of Carlsbad, NM
Sampler Signature: Shelly Tucker

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015GRO/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	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	72 hr					Turn Around Time if different from standard	Hold
142219	B12	1			X							X		10/8/07	1830				X													X						X	
220	B13	1			X							X		10/9/07	1200				X													X						X	
221	B14	1			X							X		10/9/07	1230				X													X						X	
222	B15	1			X							X		10/9/07	1300				X													X						X	
223	B16	1			X							X		10/9/07	1330				X													X						X	
224	B17	1			X							X		10/9/07	1400				X													X						X	
225	B18	1			X							X		10/9/07	1430				X													X						X	
226	B19	1			X							X		10/9/07	1500				X													X						X	
227	B20	1			X							X		10/9/07	1530				X													X						X	
228	B21	1			X							X		10/9/07	1600				X													X						X	
229	B22	1			X							X		10/9/07	1630				X													X						X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Shelly Tucker	IES	10/8/07	1700	BUS		10/8/07	1700	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
						110807	1110	22

LAB USE ONLY

Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

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

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

Carrier # BUS GLI 304356 5680

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TRACEANALYSIS, INC.
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Analytical and Quality Control Report

Scott Branson
SB Weed Control & Transport
213 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2007

Work Order: 7110821

Project Location: City of Carlsbad, NM
Project Name: Violet St. & Center St.
Project Number: Violet St. & Center St.

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
142208	B1	soil	2007-10-08	13:00	2007-11-08
142209	B2	soil	2007-10-08	13:30	2007-11-08
142210	B3	soil	2007-10-08	14:00	2007-11-08
142211	B4	soil	2007-10-08	14:30	2007-11-08
142212	B5	soil	2007-10-08	15:00	2007-11-08
142213	B6	soil	2007-10-08	15:30	2007-11-08
142214	B7	soil	2007-10-08	16:00	2007-11-08
142215	B8	soil	2007-10-08	16:30	2007-11-08
142216	B9	soil	2007-10-08	17:00	2007-11-08
142217	B10	soil	2007-10-08	17:30	2007-11-08
142218	B11	soil	2007-10-08	18:00	2007-11-08

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 142208 - B1

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43034	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37132	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142208 - B1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[1]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	62.5 - 164

Sample: 142208 - B1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[2]	**1.29**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142209 - B2

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43034	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37132	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**59.4**		mg/Kg	10	5.00

[1] Sample received out of hold time
[2] Sample ran out of hold time per client's request. •

Sample: 142209 - B2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[3]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		170	mg/Kg	1	150	113	62.5 - 164

Sample: 142209 - B2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[4]	**1.31**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142210 - B3

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43034	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37132	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142210 - B3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[5]	<50.0		mg/Kg	1	50.0

[3] Sample received out of hold time
[4] Sample ran out of hold time per client's request. •
[5] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	150	119	62.5 - 164

Sample: 142210 - B3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	**1.23**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142211 - B4

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142211 - B4

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[7]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		181	mg/Kg	1	150	121	62.5 - 164

Sample: 142211 - B4

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

[6] Sample ran out of hold time per client's request. •
[7] Sample received out of hold time

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[8]	**1.32**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	31.8 - 159

Sample: 142212 - B5

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142212 - B5

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[9]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		145	mg/Kg	1	150	97	62.5 - 164

Sample: 142212 - B5

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[10]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.965	mg/Kg	1	1.00	96	31.8 - 159

[8] Sample ran out of hold time per client's request. •
[9] Sample received out of hold time
[10] Sample ran out of hold time per client's request. •

Sample: 142213 - B6

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		<100		mg/Kg	20	5.00

Sample: 142213 - B6

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[11]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		160	mg/Kg	1	150	107	62.5 - 164

Sample: 142213 - B6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[12]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.950	mg/Kg	1	1.00	95	31.8 - 159

Sample: 142214 - B7

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

[11] Sample received out of hold time
[12] Sample ran out of hold time per client's request. •

Sample: 142214 - B7

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[13]	<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		185	mg/Kg	1	150	123	62.5 - 164

Sample: 142214 - B7

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[14]	<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.22	mg/Kg	1	1.00	122	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	31.8 - 159

Sample: 142215 - B8

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142215 - B8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	[15]	<50.0		mg/Kg	1	50.0

[13] Sample received out of hold time
[14] Sample ran out of hold time per client's request. •
[15] Sample received out of hold time

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 142215 - B8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[16]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.962	mg/Kg	1	1.00	96	31.8 - 159

Sample: 142216 - B9

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142216 - B9

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[17]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		203	mg/Kg	1	150	135	62.5 - 164

Sample: 142216 - B9

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

[16] Sample ran out of hold time per client's request. •
[17] Sample received out of hold time

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[18]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.20	mg/Kg	1	1.00	120	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	31.8 - 159

Sample: 142217 - B10

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142217 - B10

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	[19]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	62.5 - 164

Sample: 142217 - B10

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[20]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	31.8 - 159

[18] Sample ran out of hold time per client's request. •
[19] Sample received out of hold time
[20] Sample ran out of hold time per client's request. •

Sample: 142218 - B11

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43035	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37133	Sample Preparation:	2007-11-09	Prepared By:	MM

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

Sample: 142218 - B11

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	42921	Date Analyzed:	2007-11-09	Analyzed By:	RM
Prep Batch:	37033	Sample Preparation:	2007-11-09	Prepared By:	RM

Parameter	Flag	Result	RL Units	Dilution	RL
DRO	[21]	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 142218 - B11

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	Sample Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
GRO	[22]	<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	34.1 - 161
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	31.8 - 159

Method Blank (1) QC Batch: 42876

QC Batch:	42876	Date Analyzed:	2007-11-08	Analyzed By:	KB
Prep Batch:	36995	QC Preparation:	2007-11-08	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

[21] Sample received out of hold time
[22] Sample ran out of hold time per client's request. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[23]	0.911	mg/Kg	1	1.00	91	96 - 115
4-Bromofluorobenzene (4-BFB)		0.573	mg/Kg	1	1.00	57	51.6 - 103

Method Blank (1) QC Batch: 42921

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM
Prep Batch: 37033 QC Preparation: 2007-11-09 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		197	mg/Kg	1	150	131	62.5 - 164

Method Blank (1) QC Batch: 43034

QC Batch: 43034 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37132 QC Preparation: 2007-11-09 Prepared By: MM

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

Method Blank (1) QC Batch: 43035

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37133 QC Preparation: 2007-11-09 Prepared By: MM

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

Laboratory Control Spike (LCS-1)

QC Batch: 42876 Date Analyzed: 2007-11-08 Analyzed By: KB
Prep Batch: 36995 QC Preparation: 2007-11-08 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.21	mg/Kg	1	10.0	<0.459	82	78.7 - 108

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

[23] Spike recovery outside control limits but within method limits. •

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.03	mg/Kg	1	10.0	<0.459	90	78.7 - 108	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.864	0.923	mg/Kg	1	1.00	86	92	83.7 - 110
4-Bromofluorobenzene (4-BFB)	0.760	0.778	mg/Kg	1	1.00	76	78	74.4 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 42921 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37033 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	251	mg/Kg	1	250	<10.7	100	64.1 - 124

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
DRO	273	mg/Kg	1	250	<10.7	109	64.1 - 124	8	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	194	201	mg/Kg	1	150	129	134	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 43034 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37132 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.5	mg/Kg	1	100	<3.25	98	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	99.2	mg/Kg	1	100	<3.25	99	96.1 - 103	1	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: 43035 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37133 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	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	102	mg/Kg	1	100	<3.25	102	96.1 - 103	1	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: 142210

QC Batch: 42876 | Date Analyzed: 2007-11-08 | Analyzed By: KB
Prep Batch: 36995 | QC Preparation: 2007-11-08 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.3	mg/Kg	1	10.0	<0.459	103	51.3 - 130

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
GRO	11.9	mg/Kg	1	10.0	<0.459	119	51.3 - 130	14	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.864	0.978	mg/Kg	1	1	86	98	56.1 - 124
4-Bromofluorobenzene (4-BFB)	0.995	1.13	mg/Kg	1	1	100	113	67.1 - 146

Matrix Spike (MS-1) Spiked Sample: 142209

QC Batch: 42921 | Date Analyzed: 2007-11-09 | Analyzed By: RM
Prep Batch: 37033 | QC Preparation: 2007-11-09 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [24]	142	mg/Kg	1	250	<10.7	57	47.5 - 127

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
DRO [25]	145	mg/Kg	1	250	<10.7	58	47.5 - 127	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	153	154	mg/Kg	1	150	102	103	62.5 - 164

[24] Sample received out of hold time
[25] Sample received out of hold time

Matrix Spike (MS-1) Spiked Sample: 142210

QC Batch: 43034 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37132 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	512	mg/Kg	10	500	<32.5	97	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	470	mg/Kg	10	500	<32.5	89	80 - 120	9	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: 142220

QC Batch: 43035 | Date Analyzed: 2007-11-10 | Analyzed By: MM
Prep Batch: 37133 | QC Preparation: 2007-11-09 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	541	mg/Kg	10	500	<32.5	102	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	502	mg/Kg	10	500	<32.5	94	80 - 120	8	20

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

Standard (ICV-1)

QC Batch: 42876 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.889	89	85 - 115	2007-11-08

Standard (CCV-1)

QC Batch: 42876 | Date Analyzed: 2007-11-08 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.863	86	85 - 115	2007-11-08

Standard (ICV-1)

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	261	104	85 - 115	2007-11-09

Standard (CCV-1)

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-11-09

Standard (CCV-2)

QC Batch: 42921 Date Analyzed: 2007-11-09 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	240	96	85 - 115	2007-11-09

Standard (ICV-1)

QC Batch: 43034 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.8	99	85 - 115	2007-11-10

Standard (CCV-1)

QC Batch: 43034 Date Analyzed: 2007-11-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-11-10

Standard (ICV-1)

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43035 Date Analyzed: 2007-11-10 Analyzed By: MM

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	2007-11-10

LAB Order ID # 7110821

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296

5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (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

8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: SB Wind Control + Transport

Phone #:

Address: (Street, City, Zip) 212 S. Mesa Carlsbad, NM 88220

Fax #:

Contact Person: Scott Burnson

E-mail: Shelly Tucker

Invoice to: (If different from above)

Project #:

Project Name: Violet St / Center St

Project Location (including state): City of Carlsbad, N.M.

Sampler Signature: Shelly Tucker

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
142208	B1	1			X							X		10/8/07	1300
209	B2	1			X							X		10/8/07	1330
210	B3	1			X							X		10/8/07	1400
211	B4	1			X							X		10/8/07	1430
212	B5	1			X							X		10/8/07	1500
213	B6	1			X							X		10/8/07	1530
214	B7	1			X							X		10/8/07	1600
215	B8	1			X							X		10/8/07	1630
216	B9	1			X							X		10/8/07	1700
217	B10	1			X							X		10/8/07	1730
218	B11	1			X							X		10/8/07	1800

ANALYSIS REQUEST (Circle or Specify Method No.)	Turn Around Time if different from standard	Hold
MTBE 8021B / 602 / 8260B / 624		
BTEX 8021B / 602 / 8260B / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC	X	
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		
PCB's 8082 / 608		
Pesticides 8081A / 608		
BOD, TSS, pH		
Moisture Content	X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Shelly Tucker	VES	10/8/07	1700	BUS		10/8/07	1700	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
							1110	22

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS: Bill to

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

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

Carrier # BusCLI 3048656680

VALLEY ENERGY SERVICES, INC
P.O. Box 207
Loving, New Mexico 88256-0207
505-706-9121 Cell **866-323-8533 Fax**
valleyenergy@plateautel.net

November 26, 2007

SENT VIA E-MAIL: scottbranson@sbweedcontrol.com
Scott Branson
SB Weed Control
213 S. Mesa
Carlsbad, New Mexico 88220

Location: Center St & Violet St
City of Carlsbad
State of New Mexico

SENT VIA E-MAIL:gerry.guye@state.nm.us
Gerry Guy
NMOCD District 2 Office
1301 W. Grand
Artesia, New Mexico 88210

Dear Sirs:

Following is the final report for the aforementioned location.

On August 27, 2007 approximately 70bbls of fluid from a frac flowback was released on the lot near Center St and Violet St in Carlsbad, New Mexico. A vacuum truck was immediately brought in to recover as much fluid as possible. The following morning excavation equipment was brought in to remove material from the impacted area. Upon removal of the impacted soil, samples were obtained and infield analysis was performed per EPA SWA-846 sampling protocol. Field analyticals showed additional material would need to be removed from the impacted area to be within the New Mexico Oil Conservation Division (NMOCD) specified requirements. Additional material was removed and the area was retested per EPA SWA-846 protocol. Field analysis showed the area was still not within NMOCD acceptable parameters.

A meeting was held by representatives from the NMOCD, City of Carlsbad, New Mexico State Police and SB Weed Control to discuss options for proper clean up and closure of the site. An agreement was made and a work plan was implemented.

After reviewing the weather forecast, it was determined to remove an additional 1' (one foot) of soil prior to the rains to inhibit the chances of further migration of chlorides or any residual chemicals still in the impacted area. Once the area had dried from the rains, the lot was prepped to obtain official soil samples. Composite samples were obtained per EPA SWA-846 protocol. A grid of the sample area has been attached hereto. The samples were then properly gathered, prepared, packaged and sent to Trace Analysis in Lubbock, Texas for official analyticals. The area outside of the known impact site was tested for Chlorides and TPH (GRO & DRO) only. The area within the impact site was tested for Chlorides, TPH (GRO & DRO), BTEX, and TCLP metals. The official analyticals have also been attached hereto.

Upon reviewing the official analysis from Trace Analysis, it was determined further chloride delineation was needed in Sections B41, B42, I43, and I44. The BTEX and TPH (GRO & DRO) results were non-detectable and the only TCLP metal detected was Barium. The detection of Barium was discussed with the NMOCD and it was agreed it would not be of any consequence. This determination was backed up with the following statement by the USEPA:

> "Human and animal data show that barium sulfate is essentially non-toxic to humans and other mammalian species. This is attributable to the very low solubility of the compound in water. Barium sulfate is not expected to be absorbed through the skin…Barium sulfate cannot reasonably be anticipated to cause acute or chronic toxicity in humans or adverse effects in the environment."

In Sections B41 and B42 an additional 1' (one foot) of material was removed. Infield analysis was performed and the Chloride levels were found to be within the parameters set forth by the NMOCD. Only 6" (six inches) of additional material could be removed from Sections I43 and I44. The remaining material encountered was solid rock. Due to the amount of rock in the area, it was agreed the impacted material left behind was minimal and no additional material would have to be removed.

A total of 336 cubic yards of material was removed from the site and 434 cubic yards of clean, native soil was returned to the area. To further the remediation of the spill site, it was replanted with a native seed mixture. The impacted material was disposed of at CRI, a NMOCD approved disposal facility.

Mike Bratcher of the NMOCD, Byron Wester of the NM State Police and Richard Aguilar of the City of Carlsbad were all contacted with the aforementioned results and approval for closure was granted on November 16, 2007.

Please accept this letter as final documentation for the closure of the Site Remediation for the spill located on the lot near Center St and Violet St in Carlsbad, New Mexico.

I want to thank you for giving me the opportunity to assist you in this matter. If you should have any questions or concerns, please do not hesitate to contact me at 505-706-9121.

Sincerely,

Shelly J. Tucker
Environmental Consultant
Valley Energy Services, Inc

/sjt

Attachment: official analyticals
site diagram

Cc mail: Byron Wester – New Mexico State Police

Cc email: Richard Aguilar – City of Carlsbad, Environmental Services Manager
Mike Bratcher – New Mexico Oil Conservation Division
Joel Longoria – SB Weed Control