

Summary 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.

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

Sample - Field Code	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
142208 - B1	<50.0	1.29
142209 - B2	<50.0	1.31
142210 - B3	<50.0	1.23
142211 - B4	<50.0	1.32
142212 - B5	<50.0	<1.00
142213 - B6	<50.0	<1.00
142214 - B7	<50.0	<1.00
142215 - B8	<50.0	<1.00
142216 - B9	<50.0	<1.00
142217 - B10	<50.0	<1.00
142218 - B11	<50.0	<1.00

Sample: 142208 - B1

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

Sample: 142209 - B2

Param	Flag	Result	Units	RL
Chloride		59.4	mg/Kg	5.00

Sample: 142210 - B3

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

Sample: 142211 - B4

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

Sample: 142212 - B5

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

Sample: 142213 - B6

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	5.00

Sample: 142214 - B7

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

Sample: 142215 - B8

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

Sample: 142216 - B9

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

Sample: 142217 - B10

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

Sample: 142218 - B11

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 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

Sample - Field Code	BTEX				MTBE	TPH DRO	TPH GRO
	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	<0.0100	<50.0	<1.00
142192 - I36	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
142193 - I39	<0.0100	<0.0100	<0.0100	<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



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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.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	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)		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	RL Result	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	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: 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	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		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	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)		0.489	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	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)		0.778	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	RL Result	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	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		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	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	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

¹High 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	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		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	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)		0.922	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	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)		0.851	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	RL		Units	Dilution	RL
		Result				
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	RL		Units	Dilution	RL
		Result				
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	RL		Units	Dilution	RL
		Result				
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: 2007-11-12	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	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)		0.827	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	RL Result	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	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		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
Prep Batch: 36993

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 36998

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: ER
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
Prep Batch: 36999

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: RM
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
Prep Batch: 37015

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: ER
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
Prep Batch: 37021

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: KB
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.

continued . . .

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
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
Prep Batch: 37041

Date Analyzed: 2007-11-12
QC Preparation: 2007-11-12

Analyzed By: RR
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
Prep Batch: 37051

Date Analyzed: 2007-11-12
QC Preparation: 2007-11-12

Analyzed By: TP
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
Prep Batch: 36993

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 36993

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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.

continued ...

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

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

³Matrix 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
Prep Batch: 37015

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: ER
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
Prep Batch: 37021

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: KB
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
Prep Batch: 37041

Date Analyzed: 2007-11-12
QC Preparation: 2007-11-12

Analyzed By: RR
Prepared By: KV

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

⁵Matrix 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
Prep Batch: 37051

Date Analyzed: 2007-11-12
QC Preparation: 2007-11-12

Analyzed By: TP
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 ...

⁶Ethylbenzene 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

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

⁸Ethylbenzene 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



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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: 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.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	RL Result	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	RL Result	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	RL Result	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	RL Result	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

³Sample received out of hold time

⁴Sample ran out of hold time per client's request. •

⁵Sample 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

⁶Sample ran out of hold time per client's request. •

⁷Sample 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

⁸Sample ran out of hold time per client's request. •

⁹Sample received out of hold time

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

¹¹Sample received out of hold time

¹²Sample 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	RL Result	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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	15	<50.0	mg/Kg	1	50.0

¹³Sample received out of hold time

¹⁴Sample ran out of hold time per client's request. •

¹⁵Sample 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

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

Method Blank (1) QC Batch: 42923

QC Batch: 42923
Prep Batch: 37035

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37136

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
Prepared By: MM

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

Laboratory Control Spike (LCS-1)

QC Batch: 42874
Prep Batch: 36993

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 36996

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 37035

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37136

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 36993

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 36996

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 37035

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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.

¹⁷Sample 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
Prep Batch: 37136

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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

¹⁸Sample 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

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Analytical and Quality Control Report

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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.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	RL Result	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	RL Result	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	RL Result	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	RL Result	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	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		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	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)		1.10	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	5	<50.0	mg/Kg	1	50.0

³Sample received out of hold time

⁴Sample ran out of hold time per client's request. •

⁵Sample 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	50.0

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

⁶Sample ran out of hold time per client's request. •

⁷Sample 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)		1.03	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	RL Result	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	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		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	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)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	31.8 - 159

⁸Sample ran out of hold time per client's request. •

⁹Sample received out of hold time

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

¹¹Sample received out of hold time

¹²Sample 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	RL Result	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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	¹⁵	<50.0	mg/Kg	1	50.0

¹³Sample received out of hold time

¹⁴Sample ran out of hold time per client's request. •

¹⁵Sample 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	50.0

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

¹⁶Sample ran out of hold time per client's request. •

¹⁷Sample 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

¹⁸Sample ran out of hold time per client's request. •

¹⁹Sample received out of hold time

²⁰Sample 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

²³Spike 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
Prep Batch: 37134

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 37135

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 36996

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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 ...

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

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

²⁶Sample 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



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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.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	RL Result	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	RL Result	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	RL Result	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	RL Result	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	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		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	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)		1.10	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	5	<50.0	mg/Kg	1	50.0

³Sample received out of hold time

⁴Sample ran out of hold time per client's request. •

⁵Sample 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	50.0

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

⁶Sample ran out of hold time per client's request. •

⁷Sample 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)		1.03	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	RL Result	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	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		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	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)		1.06	mg/Kg	1	1.00	106	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	31.8 - 159

⁸Sample ran out of hold time per client's request. •

⁹Sample received out of hold time

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

¹¹Sample received out of hold time

¹²Sample 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	RL Result	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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	¹⁵	<50.0	mg/Kg	1	50.0

¹³Sample received out of hold time

¹⁴Sample ran out of hold time per client's request. •

¹⁵Sample 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	50.0

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

¹⁶Sample ran out of hold time per client's request. •

¹⁷Sample 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

¹⁸Sample ran out of hold time per client's request. •

¹⁹Sample received out of hold time

²⁰Sample 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

²³Spike 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
Prep Batch: 37134

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 37135

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 36996

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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 ...

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

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

²⁶Sample 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: 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



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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.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	RL Result	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	RL Result	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	RL Result	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	RL Result	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	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		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	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)		1.06	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	⁵	<50.0	mg/Kg	1	50.0

³Sample received out of hold time

⁴Sample ran out of hold time per client's request. •

⁵Sample 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	50.0

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

⁶Sample ran out of hold time per client's request. •

⁷Sample 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

⁸Sample ran out of hold time per client's request. •

⁹Sample received out of hold time

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

¹¹Sample received out of hold time

¹²Sample 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	RL Result	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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	¹⁵	<50.0	mg/Kg	1	50.0

¹³Sample received out of hold time

¹⁴Sample ran out of hold time per client's request. •

¹⁵Sample 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	50.0

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

¹⁶Sample ran out of hold time per client's request. •

¹⁷Sample 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)		1.16	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	RL Result	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	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		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	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)		1.04	mg/Kg	1	1.00	104	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.981	mg/Kg	1	1.00	98	31.8 - 159

¹⁸Sample ran out of hold time per client's request. •

¹⁹Sample received out of hold time

²⁰Sample 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

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

²⁴Spike 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
Prep Batch: 37033

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37034

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37133

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 37134

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 36995

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 36996

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 37033

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37034

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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

²⁵Sample received out of hold time

²⁶Sample received out of hold time

²⁷MS/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

²⁸MS/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

TraceAnalysis, Inc.

email: lab@traceanalysis.com

Company Name:

58 Wood Control Transport
(Street, City, Zip)

Address: 2155 Mesa Carlsbad, NM 88520

Contact Person:

Scott Brunson

Invoice to:

(If different from above)

Project #:

Project Location (including state):
City of Carlsbad, NM

Project Name:

Violent St + Center St

Sampler Signature:

Shelly Juelin

Phone #:

Fax #:

E-mail:

Shelly Juelin

LAB Order ID #

7110822

Page 1 of 1

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ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD						SAMPLING		TIME	DATE	Hold				
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	TCLP Volatiles	TCLP Semi Volatiles				TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625
142219	B12	1		X								X			10/26/07 1830	10/26/07 1830					
220	B13	1		X								X			10/26/07 1830	10/26/07 1830					
221	B14	1		X								X			10/26/07 1830	10/26/07 1830					
222	B15	1		X								X			10/26/07 1830	10/26/07 1830					
223	B16	1		X								X			10/26/07 1830	10/26/07 1830					
224	B17	1		X								X			10/26/07 1830	10/26/07 1830					
225	B18	1		X								X			10/26/07 1830	10/26/07 1830					
226	B19	1		X								X			10/26/07 1830	10/26/07 1830					
227	B20	1		X								X			10/26/07 1830	10/26/07 1830					
228	B21	1		X								X			10/26/07 1830	10/26/07 1830					
229	B22	1		X								X			10/26/07 1830	10/26/07 1830					
																		</			

LAB USE ONLY

Intact ☒ N

Headspace ☒ N / N / N / A

Log-in/Review

Relinquished by: Shelly Juelin Company: VES Date: 10/26/07 Time: 1700

Relinquished by: Scott Brunson Company: 110802 Date: 11/10/07 Time: 09

Relinquished by: Scott Brunson Company: 110802 Date: 11/10/07 Time: 09

Carrier # BUS C-133043565680

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



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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.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 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	RL Result	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	RL Result	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	RL Result	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	RL Result	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	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		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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	5	<50.0	mg/Kg	1	50.0

³Sample received out of hold time

⁴Sample ran out of hold time per client's request. •

⁵Sample 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	50.0

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

⁶Sample ran out of hold time per client's request. •

⁷Sample received out of hold time

Parameter	Flag	RL Result	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	RL Result	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	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		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	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)		1.01	mg/Kg	1	1.00	101	34.1 - 161
4-Bromofluorobenzene (4-BFB)		0.965	mg/Kg	1	1.00	96	31.8 - 159

⁸Sample ran out of hold time per client's request. •

⁹Sample received out of hold time

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

¹¹Sample received out of hold time

¹²Sample 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	RL Result	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	RL Result	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	RL Result	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	RL Result	Units	Dilution	RL
DRO	¹⁵	<50.0	mg/Kg	1	50.0

¹³Sample received out of hold time

¹⁴Sample ran out of hold time per client's request. •

¹⁵Sample 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	50.0

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

¹⁶Sample ran out of hold time per client's request. •

¹⁷Sample 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

¹⁸Sample ran out of hold time per client's request. •

¹⁹Sample received out of hold time

²⁰Sample 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	RL Result	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	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		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	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)		1.11	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.

²³Spike 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
Prep Batch: 37033

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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
Prep Batch: 37132

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 37133

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 36995

Date Analyzed: 2007-11-08
QC Preparation: 2007-11-08

Analyzed By: KB
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
Prep Batch: 37033

Date Analyzed: 2007-11-09
QC Preparation: 2007-11-09

Analyzed By: RM
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

²⁴Sample received out of hold time

²⁵Sample received out of hold time

Matrix Spike (MS-1) Spiked Sample: 142210

QC Batch: 43034
Prep Batch: 37132

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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
Prep Batch: 37133

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
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

ACE Analysis, Inc.

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Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Shelley Truck

Address: 2125 S. Mesa (Clarkson, NM 88220)

Contact Person: Shelley Truck

Phone #: 505 882-2000

Fax #: 505 882-2000

E-mail: Shelley@shelleytruck.com

Project Name: Clarkson NM

Project Location (including state): Clarkson NM

City of Clarkson NM

LAB #

LAB USE ONLY

192208	B1	1	Volume / Amount	MATRIX	PRESERVATIVE METHOD					SAMPLING		LAB USE ONLY TPH 418.1 / TX1005 / TX1005 EX(C35) TPH 8014 GROSS / 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 Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C / 625 PCBs 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Moisture Content
209	B2	1		WATER								
210	B3	1		AIR								
211	B4	1		SLUDGE								
212	B5	1										
213	B6	1										
214	B7	1										
215	B8	1										
216	B9	1										
217	B10	1										
218	B11	1										

Relinquished by: Shelley Truck

Company: BUS

Date: 10/27/07

Time: 1700

Relinquished by: Shelley Truck

Company: BUS

Date: 10/27/07

Time: 1700

Relinquished by: Shelley Truck

Company: BUS

Date: 10/27/07

Time: 1700

Relinquished by: Shelley Truck

Company: BUS

Date: 10/27/07

Time: 1700

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

Carrier # KUSC-LI 304865650

Summary Report

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

Report Date: November 9, 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

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

Sample: 142192 - I36

Param	Flag	Result	Units	RL
Chloride		421	mg/Kg	5.00

Sample: 142193 - I39

Param	Flag	Result	Units	RL
Chloride		50.3	mg/Kg	5.00

Sample: 142194 - I40

Param	Flag	Result	Units	RL
Chloride		234	mg/Kg	5.00

Sample: 142195 - I43

Param	Flag	Result	Units	RL
Chloride		888	mg/Kg	5.00

Sample: 142196 - I44

Param	Flag	Result	Units	RL
Chloride		70.0	mg/Kg	5.00