



Certifications

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Analytical and Quality Control Report

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Report Date: January 27, 2014

Work Order: 14011501



Project Location: Sec. 26 T14S-R33E, Lea Co, NM
Project Name: Abalone State 'AMB' #1
Project Number: Abalone State #1

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
351463	A	soil	2014-01-14	09:10	2014-01-14
351464	B	soil	2014-01-14	09:20	2014-01-14
351465	C	soil	2014-01-14	09:30	2014-01-14
351466	D	soil	2014-01-14	09:55	2014-01-14

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.

A handwritten signature in black ink that reads "Michael Abel". The script is fluid and cursive, with the first name "Michael" and last name "Abel" clearly distinguishable.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

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Case Narrative

Samples for project Abalone State 'AMB' #1 were received by TraceAnalysis, Inc. on 2014-01-14 and assigned to work order 14011501. Samples for work order 14011501 were received intact at a temperature of -4.2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	91712	2014-01-16 at 09:46	108450	2014-01-20 at 14:34
TPH DRO - NEW	S 8015 D	91676	2014-01-16 at 14:00	108383	2014-01-17 at 08:46
TPH GRO	S 8015 D	91647	2014-01-15 at 15:17	108403	2014-01-17 at 12:36

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 14011501 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

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Analytical Report

Sample: 351463 - A

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2014-01-20	Analyzed By:	AR
QC Batch:	108450	Sample Preparation:	2014-01-16	Prepared By:	AR
Prep Batch:	91712				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			103	mg/Kg	5	4.00

Sample: 351463 - A

Laboratory:	Midland	Analytical Method:	S 8015 D	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2014-01-17	Analyzed By:	KC
QC Batch:	108383	Sample Preparation:	2014-01-16	Prepared By:	KC
Prep Batch:	91676				

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			103	mg/Kg	1	100	103	70 - 130

Sample: 351463 - A

Laboratory:	Midland	Analytical Method:	S 8015 D	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2014-01-17	Analyzed By:	AK
QC Batch:	108403	Sample Preparation:	2014-01-15	Prepared By:	AK
Prep Batch:	91647				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	98	70 - 130

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sample continued ...

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			2.11	mg/Kg	1	2.00	106	70 - 130

Sample: 351464 - B

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	108450	Date Analyzed:	2014-01-20	Analyzed By:	AR
Prep Batch:	91712	Sample Preparation:	2014-01-16	Prepared By:	AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			176	mg/Kg	5	4.00

Sample: 351464 - B

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	108383	Date Analyzed:	2014-01-17	Analyzed By:	KC
Prep Batch:	91676	Sample Preparation:	2014-01-16	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			103	mg/Kg	1	100	103	70 - 130

Sample: 351464 - B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	108403	Date Analyzed:	2014-01-17	Analyzed By:	AK
Prep Batch:	91647	Sample Preparation:	2014-01-15	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		1	<4.00	mg/Kg	1	4.00

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Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.53	mg/Kg	1	2.00	126	70 - 130
4-Bromofluorobenzene (4-BFB)	Q _{sr}	Q _{sr}	2.64	mg/Kg	1	2.00	132	70 - 130

Sample: 351465 - C

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 108450 Date Analyzed: 2014-01-20 Analyzed By: AR
Prep Batch: 91712 Sample Preparation: 2014-01-16 Prepared By: AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			78.2	mg/Kg	5	4.00

Sample: 351465 - C

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 108383 Date Analyzed: 2014-01-17 Analyzed By: KC
Prep Batch: 91676 Sample Preparation: 2014-01-16 Prepared By: KC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	72.6	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			108	mg/Kg	1	100	108	70 - 130

Sample: 351465 - C

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
QC Batch: 108403 Date Analyzed: 2014-01-17 Analyzed By: AK
Prep Batch: 91647 Sample Preparation: 2014-01-15 Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		1	<4.00	mg/Kg	1	4.00

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Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.58	mg/Kg	1	2.00	129	70 - 130
4-Bromofluorobenzene (4-BFB)	Q _{sr}	Q _{sr}	2.65	mg/Kg	1	2.00	132	70 - 130

Sample: 351466 - D

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 108450 Date Analyzed: 2014-01-20 Analyzed By: AR
Prep Batch: 91712 Sample Preparation: 2014-01-16 Prepared By: AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			29.3	mg/Kg	5	4.00

Sample: 351466 - D

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 108383 Date Analyzed: 2014-01-17 Analyzed By: KC
Prep Batch: 91676 Sample Preparation: 2014-01-16 Prepared By: KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			105	mg/Kg	1	100	105	70 - 130

Sample: 351466 - D

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
QC Batch: 108403 Date Analyzed: 2014-01-17 Analyzed By: AK
Prep Batch: 91647 Sample Preparation: 2014-01-15 Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1	<4.00	mg/Kg	1	4.00

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Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.66	mg/Kg	1	2.00	83	70 - 130
4-Bromofluorobenzene (4-BFB)			2.15	mg/Kg	1	2.00	108	70 - 130

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Method Blanks

Method Blank (1) QC Batch: 108383

QC Batch: 108383 Date Analyzed: 2014-01-17 Analyzed By: KC
Prep Batch: 91676 QC Preparation: 2014-01-16 Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		1	<6.88	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			110	mg/Kg	1	100	110	70 - 130

Method Blank (1) QC Batch: 108403

QC Batch: 108403 Date Analyzed: 2014-01-17 Analyzed By: AK
Prep Batch: 91647 QC Preparation: 2014-01-15 Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		1	<2.32	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.97	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	70 - 130

Method Blank (1) QC Batch: 108450

QC Batch: 108450 Date Analyzed: 2014-01-20 Analyzed By: AR
Prep Batch: 91712 QC Preparation: 2014-01-16 Prepared By: AR

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

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Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 108383
Prep Batch: 91676

Date Analyzed: 2014-01-17
QC Preparation: 2014-01-16

Analyzed By: KC
Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1	254	mg/Kg	1	250	<6.88	102	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1	253	mg/Kg	1	250	<6.88	101	70 - 130	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-Tricosane	114	115	mg/Kg	1	100	114	115	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 108403
Prep Batch: 91647

Date Analyzed: 2014-01-17
QC Preparation: 2014-01-15

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		1	16.4	mg/Kg	1	20.0	<2.32	82	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		1	15.9	mg/Kg	1	20.0	<2.32	80	70 - 130	3	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)	1.79	1.72	mg/Kg	1	2.00	90	86	70 - 130
4-Bromofluorobenzene (4-BFB)	2.18	2.18	mg/Kg	1	2.00	109	109	70 - 130

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Laboratory Control Spike (LCS-1)

QC Batch: 108450
Prep Batch: 91712

Date Analyzed: 2014-01-20
QC Preparation: 2014-01-16

Analyzed By: AR
Prepared By: AR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2330	mg/Kg	1	2500	<3.85	93	89.7 - 115.9

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2460	mg/Kg	1	2500	<3.85	98	89.7 - 115.9	5	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: 351442

QC Batch: 108383
Prep Batch: 91676

Date Analyzed: 2014-01-17
QC Preparation: 2014-01-16

Analyzed By: KC
Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1	242	mg/Kg	1	250	10.1	93	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1	242	mg/Kg	1	250	10.1	93	70 - 130	0	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-Tricosane	102	105	mg/Kg	1	100	102	105	70 - 130

Matrix Spike (MS-1) Spiked Sample: 351440

QC Batch: 108403
Prep Batch: 91647

Date Analyzed: 2014-01-17
QC Preparation: 2014-01-15

Analyzed By: AK
Prepared By: AK

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Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		1	16.9	mg/Kg	1	20.0	<2.32	84	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		1	16.4	mg/Kg	1	20.0	<2.32	82	70 - 130	3	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)	1.84	1.78	mg/Kg	1	2	92	89	70 - 130
4-Bromofluorobenzene (4-BFB)	2.16	2.12	mg/Kg	1	2	108	106	70 - 130

Matrix Spike (MS-1) Spiked Sample: 351466

QC Batch: 108450
Prep Batch: 91712

Date Analyzed: 2014-01-20
QC Preparation: 2014-01-16

Analyzed By: AR
Prepared By: AR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2510	mg/Kg	5	2500	29.3	99	78.9 - 121

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2410	mg/Kg	5	2500	29.3	95	78.9 - 121	4	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 108383

Date Analyzed: 2014-01-17

Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1	mg/Kg	250	244	98	80 - 120	2014-01-17

Standard (CCV-2)

QC Batch: 108383

Date Analyzed: 2014-01-17

Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1	mg/Kg	250	244	98	80 - 120	2014-01-17

Standard (CCV-1)

QC Batch: 108403

Date Analyzed: 2014-01-17

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1	mg/Kg	1.00	1.04	104	80 - 120	2014-01-17

Standard (CCV-2)

QC Batch: 108403

Date Analyzed: 2014-01-17

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1	mg/Kg	1.00	0.905	90	80 - 120	2014-01-17

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Standard (CCV-3)

QC Batch: 108403

Date Analyzed: 2014-01-17

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1	mg/Kg	1.00	1.05	105	80 - 120	2014-01-17

Standard (CCV-1)

QC Batch: 108450

Date Analyzed: 2014-01-20

Analyzed By: AR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	97.7	98	85 - 115	2014-01-20

Standard (CCV-2)

QC Batch: 108450

Date Analyzed: 2014-01-20

Analyzed By: AR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	102	102	85 - 115	2014-01-20

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-13-7	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

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Company Name: EnerVest Operating Phone #: 432-352-6400Address: 1001 Fannin Street, Ste 800, Houston TX 77000 Fax #: Contact Person: Andy Price E-mail: Invoice to: Attn: Elroy ArdoinProject #: Abalone "AMB" State #1 Project Name: Project Location (including state): Sec. 26, T14S, R33E Lea Co., NM Sampler Signature: Andy PriceProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NMProject Location (including state): Sec. 26, T14S, R33E Lea Co., NM

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB #	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	SAMPLING	TIME	DATE	ICE	NaOH	H ₂ SO ₄	HNO ₃	HCl	SLUDGE	AIR	SOIL	WATER	Turn Around Time if different from standard
35143	A			✓	✓	✓	9:10	1/14/14	✓	✓	✓	✓	✓	✓	✓	✓	✓	Chlorides
464	B			✓	✓	✓	9:20	1/14/14	✓	✓	✓	✓	✓	✓	✓	✓	✓	Na, Ca, Mg, K, TDS, EC
415	C			✓	✓	✓	9:30	1/14/14	✓	✓	✓	✓	✓	✓	✓	✓	✓	Cl, F, SO ₄ , NO ₃ , N, NO ₂ , N, PO ₄ , P, Alkalinity
466	D			✓	✓	✓	9:55	1/14/14	✓	✓	✓	✓	✓	✓	✓	✓	✓	Moisture Content
																		BOD, TSS, pH
																		Pesticides 8081 / 608
																		PCBs 8082 / 608
																		GC/MS Semi. Vol. 8270 / 625
																		GC/MS Vol. 8260 / 624
																		RCI
																		TCLP Pesticides
																		TCLP Semi Volatiles
																		TCLP Volatiles
																		TCLP Metals Ag As Ba Cd Cr Pb Se Hg
																		Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
																		PAH 8270 / 625
																		TPH 8015 GRO / DRO / TVHC
																		TPH 418.1 / TX1005 / TX1005 Ext(C35)
																		BTEX 8021 / 602 / 8260 / 624
																		MTBE 8021 / 602 / 8260 / 624

LAB USE ONLY

REMARKS: Midland all

Relinquished by: <u>Andy Price</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:59</u>	Received by: <u>Don TA</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:55</u>	INST: <u>12.7</u>	OBS: <u>47.0</u>	COR: <u>4.2</u>
Relinquished by: <u>Andy Price</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:59</u>	Received by: <u>Don TA</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:55</u>	INST: <u>12.7</u>	OBS: <u>47.0</u>	COR: <u>4.2</u>
Relinquished by: <u>Andy Price</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:59</u>	Received by: <u>Don TA</u>	Company: <u>TraceAnalysis, Inc.</u>	Date: <u>1/14/14</u>	Time: <u>16:55</u>	INST: <u>12.7</u>	OBS: <u>47.0</u>	COR: <u>4.2</u>

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

Carrier # Car

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