Summary Report

Allen Hodge
Phoenix Environmental
P.O. Box 1856
Hobbs, NM, 88241

Report Date: February 28, 2007

Work Order: 7022723

CIMAREX

Project Location: NITRO 11 Fed #1
Project Name:
Project Number: 30-015-34770

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
117579	NE Wall 12'	soil	2007-02-27	11:15	2007-02-27
117580	East Ramp 8'	soil	2007-02-27	11:30	2007-02-27
117581	East Bottom 15'	soil	2007-02-27	11:10	2007-02-27
117582	North Center Wall	soil	2007-02-27	12:15	2007-02-27
117583	South West Wall 12'	soil	2007-02-27	12:30	2007-02-27
117584	West Ramp 8'	soil	2007-02-27	12:00	2007-02-27
117585	West Bottom 15'	soil	2007-02-27	12:15	2007-02-27
117586	Center Bottom 15'	soil	2007-02-27	11:45	2007-02-27
117587	North West Wall 12'	soil	2007-02-27	12:45	2007-02-27
117588	South Center Wall 12'	soil	2007-02-27	12:50	2007-02-27
117589	South East Wall 12'	soil	2007-02-27	12:55	2007-02-27
117590	Background	soil	2007-02-27	13:00	2007-02-27

Sample: 117579 - NE Wall 12'

Param	Flag	Result	Units	RL
Chloride		**331**	mg/Kg	5.00

Sample: 117580 - East Ramp 8'

Param	Flag	Result	Units	RL
Chloride		**271**	mg/Kg	5.00

Sample: 117581 - East Bottom 15'

Param	Flag	Result	Units	RL
Chloride		**446**	mg/Kg	5.00

Sample: 117582 - North Center Wall

Param	Flag	Result	Units	RL
Chloride		**207**	mg/Kg	5.00

Sample: 117583 - South West Wall 12'

Param	Flag	Result	Units	RL
Chloride		**422**	mg/Kg	5.00

Sample: 117584 - West Ramp 8'

Param	Flag	Result	Units	RL
Chloride		**251**	mg/Kg	5.00

Sample: 117585 - West Bottom 15'

Param	Flag	Result	Units	RL
Chloride		**227**	mg/Kg	5.00

Sample: 117586 - Center Bottom 15'

Param	Flag	Result	Units	RL
Chloride		**177**	mg/Kg	5.00

Sample: 117587 - North West Wall 12'

Param	Flag	Result	Units	RL
Chloride		**287**	mg/Kg	5.00

Sample: 117588 - South Center Wall 12'

Param	Flag	Result	Units	RL
Chloride		**241**	mg/Kg	5.00

Sample: 117589 - South East Wall 12'

Param	Flag	Result	Units	RL
Chloride		**258**	mg/Kg	5.00

Sample: 117590 - Background

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

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Allen Hodge
Phoenix Environmental
P.O. Box 1856
Hobbs, NM, 88241

Report Date: February 28, 2007

Work Order: 7022723

Project Location: Cimarex
Project Name: Nitro 11 Fed #1
Project Number: N/A 30-015-34770

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
117579	NE Wall 12'	soil	2007-02-27	11:15	2007-02-27
117580	East Ramp 8'	soil	2007-02-27	11:30	2007-02-27
117581	East Bottom 15'	soil	2007-02-27	11:10	2007-02-27
117582	North Center Wall	soil	2007-02-27	12:15	2007-02-27
117583	South West Wall 12'	soil	2007-02-27	12:30	2007-02-27
117584	West Ramp 8'	soil	2007-02-27	12:00	2007-02-27
117585	West Bottom 15'	soil	2007-02-27	12:15	2007-02-27
117586	Center Bottom 15'	soil	2007-02-27	11:45	2007-02-27
117587	North West Wall 12'	soil	2007-02-27	12:45	2007-02-27
117588	South Center Wall 12'	soil	2007-02-27	12:50	2007-02-27
117589	South East Wall 12'	soil	2007-02-27	12:55	2007-02-27
117590	Background	soil	2007-02-27	13:00	2007-02-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 117579 - NE Wall 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**331**	mg/Kg	20	5.00

Sample: 117580 - East Ramp 8'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**271**	mg/Kg	20	5.00

Sample: 117581 - East Bottom 15'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**446**	mg/Kg	20	5.00

Sample: 117582 - North Center Wall

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**207**	mg/Kg	10	5.00

Sample: 117583 - South West Wall 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**422**	mg/Kg	20	5.00

Sample: 117584 - West Ramp 8'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**251**	mg/Kg	20	5.00

Sample: 117585 - West Bottom 15'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**227**	mg/Kg	10	5.00

Sample: 117586 - Center Bottom 15'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**177**	mg/Kg	10	5.00

Sample: 117587 - North West Wall 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**287**	mg/Kg	20	5.00

Sample: 117588 - South Center Wall 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**241**	mg/Kg	10	5.00

Sample: 117589 - South East Wall 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35091	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30451	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**258**	mg/Kg	20	5.00

Sample: 117590 - Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35091	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30451	Sample Preparation:	2007-02-27	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	20	5.00

Method Blank (1) QC Batch: 35090

QC Batch:	35090	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30450	QC Preparation:	2007-02-27	Prepared By:	JS

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

Method Blank (1) QC Batch: 35091

QC Batch:	35091	Date Analyzed:	2007-02-27	Analyzed By:	JS
Prep Batch:	30451	QC Preparation:	2007-02-27	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 35090 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30450 QC Preparation: 2007-02-27 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.8	mg/Kg	1	100	<3.25	100	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	104	mg/Kg	1	100	<3.25	104	90 - 110	4	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: 35091 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30451 QC Preparation: 2007-02-27 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	105	mg/Kg	1	100	<3.25	105	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	96.7	mg/Kg	1	100	<3.25	97	90 - 110	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: 117588

QC Batch: 35090 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30450 QC Preparation: 2007-02-27 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [1]	420	mg/Kg	10	1000	241	18	84.6 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride [2]	416	mg/Kg	10	1000	241	18	84.6 - 117	1	20

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

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

Matrix Spike (MS-1) Spiked Sample: 117590

QC Batch: 35091 Date Analyzed: 2007-02-27 Analyzed By: JS
Prep Batch: 30451 QC Preparation: 2007-02-27 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[3]	222	mg/Kg	20	2000	<65.0	11	84.6 - 117

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[4]	197	mg/Kg	20	2000	<65.0	10	84.6 - 117	12	20

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

Standard (ICV-1)

QC Batch: 35090 Date Analyzed: 2007-02-27 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2007-02-27

Standard (CCV-1)

QC Batch: 35090 Date Analyzed: 2007-02-27 Analyzed By: JS

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	2007-02-27

Standard (ICV-1)

QC Batch: 35091 Date Analyzed: 2007-02-27 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-02-27

Standard (CCV-1)

QC Batch: 35091 Date Analyzed: 2007-02-27 Analyzed By: JS

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.3	98	85 - 115	2007-02-27

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LAB Order ID # 7022723 Page _____ of _____

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6015 Harris Pkwy., Suite 110
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Tel (817) 201-5260

Company Name: Phoenix Environmental — Phone #: 505-391-9685

Address: (Street, City, Zip) 2113 French Dr. Hobbs NM 88240 — Fax #: 505-391-9687

Contact Person: Allen Hodges — E-mail: EAHodges@leaco.net

Invoice to: (If different from above)

Project #: — Project Name: Cimarex

Project Location (including state): Nitro II Fed #1 — Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
117579	NE wall 12'	202			✓							✓		2/27/07	11:15am
80	East Ramp 8'				✓										11:30am
81	East Bottom 15'				✓										11:00am
82	North Center Wall 12'				✓										12:15pm
83	South West Wall 12'				✓										12:30pm
84	West Ramp 8'				✓										12:00pm
85	West Bottom 15'				✓										12:15pm
86	Center Bottom 15'				✓										11:45am
87	North West Wall 12'				✓										12:45pm
88	South Center Wall 12'				✓										12:50pm
89	South East Wall 12'				✓										12:55pm

ANALYSIS REQUEST (Circle or Specify Method No.)	Turn Around Time if different from standard	Hold
MTBE 8021B / 602 / 8260B / 624		
BTEX 8021B / 602 / 8260B / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270C / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260B / 624		
GC/MS Semi. Vol. 8270C / 625		
PCB's 8082 / 608		
Pesticides 8081A / 608		
BOD, TSS, pH		
Moisture Content		
✓		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	2/27/07	4:30pm			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	2-27-07	4:56

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp 4 °C

Log-in-Review [signature]

REMARKS:

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

Carrier # [illegible]

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

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LAB Order ID # 7022723 Page _____ of _____

TraceAnalysis, Inc.

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6015 Harris Pkwy., Suite 110
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Tel (817) 201-5260

Company Name: Phoenix Environmental Phone #: 505-391-9685

Address: (Street, City, Zip) 2113 French Dr. Hobbs NM 88240 Fax #: 505-391-9687

Contact Person: Allen Hodge E-mail: EA Hodge @ Leaco.net

Invoice to: (If different from above)

Project #: Project Name: Chevron

Project Location (including state): Nitro 11 Fed #1 Sampler Signature: Ray Jones

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
117890	Background	202			X							X		2/27/07	1:00pm

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	CL	Turn Around Time if different from standard	Hold
																X	X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ray Jones Jr.	2/27/07	4:56pm			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				2-27-07	4:56

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

LAB USE ONLY

Intact Y N

Headspace Y / N

Temp 4 °

Log-in-Review

Carrier # Can

REMARKS:

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