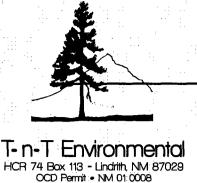
NM1 - _8__

MONITORING REPORT

YEAR(S):

2016-2017



2016 SEP 15 A 2: 41

9-12-2016

Brad Jones
Oil Conservation Division Santa Fe, New Mexico 87505
1220 S. St. Francis Drive

Re: Quarterly Vadose zone monitoring, Semi-annual Treatment zone monitoring results for T-n-T Environmental Land Farm, Permit NM1-008. Located at SE /4 of section 7 and SW/4 of Section 8 (Evaporation Ponds) and SW /4 and SE /4 NW 4 of Section 5 and NE /4 NW 4 of Section 8 (Land Farm), Township 25N, R3 W, NNPM, Rio Arriba County, New Mexico.

Dear Mr. Jones

Inclosed is the test results for May 31st 2016 Quarterly Vadose zone and Semi-annual Treatment zone.

Sincerely,

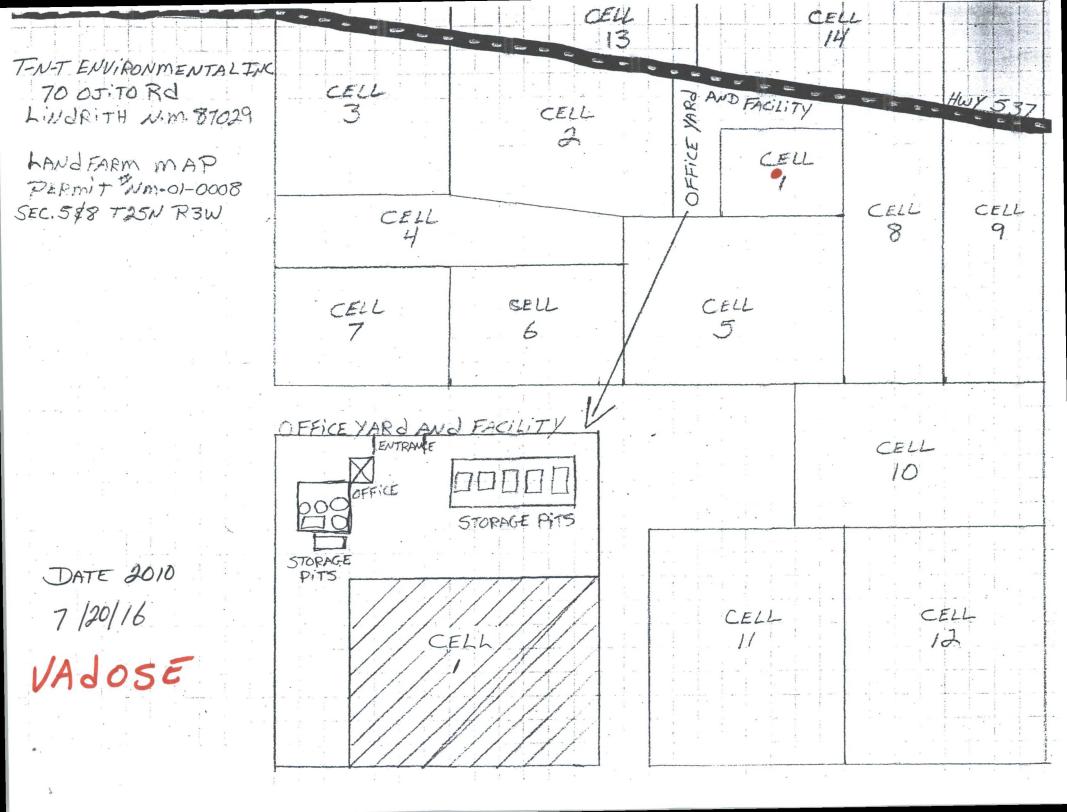
Tony Schmitz



T- n-T Environmental
HCR 74 Box 113 - Lindrith, NM 87029
OCD Permit • NM 01 0008

Oil Conservation Division 1220 South Saint Francis Santa Fe, NM 87505

OCD Annual and Quarterly Report
OCD Annual and Quarterly Report Due Date MAY 31 57 2016 Date Sent 9/12/16
Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells
Chloride SM 4500CI-B. Due May 31 st , & November 30 th .
Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells,,,,,,,,,,,,,,,,,,,
Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells,,,, for Major Cations and Anions and 8 RCRA metals 6010B. Due November 30th.
metals 6010B. Due November 30th.
Test Results of Five Year Vadoze Zone Monitoring of Land Farm Cell Due November 30 th 2020.(Gather the last five year of Annual & Quarterly Vadoze Lab results & submit as five year Vadoze)
of Annual & Quarterly Vadoze Lab results & submit as five year Vadoze)
Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1 Due May 31 st
Water Detected,
No Water Detected
Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3 Due May 31 st
Water Detected,
No Water Detected Annual Report of Monthly Testing of Monitor well's Surrounding Pond 2 Due May 31 st
Water Detected,
No Water Detected
Print Tory Schmitz Signature Joy Signature





August 11, 2016

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: QUARTERLY VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 07/27/16 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accrediced certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)

Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celeg & Keine

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH NM, 87029

Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

11-Aug-16 12:15

	· · · · · · · · · · · · · · · · · · ·	, ,		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL # 1	H601671-01	Soil	20-Jul-16 09:00	27-Jul-16 09:00

Cardinal Laboratories

*=Accredited Analyte

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Celeg L. Kreene

Reported:

11-Aug-16 12:15



Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#1 H601671-01 (Soil)

Analyte	Result MDL	Reporting Limit	Units	Difution	Batch	Analyst	Amalyzeď	Method	Notes
		Cardina	ıl Laborat	ories					
Inorganic Compounds		<u> </u>			* .		<u>.</u> .		·
Alkalinity, Bicarbonate	244	20.0	mg/kg	4	6080508	AP	05-Aug-16	310.1M	
Alkalinity, Carbonate	<4.00	4.00	mg/kg	4	6080508	AP	05-Aug-16	310.1M	
Chloride	<16.0	16.0	mg/kg	4	6072703	AC	28-Jul-16	4500-C1-B	
Conductivity	59.4	1.00	uS/cm	1	6072209	AP	02-Aug-16	120.1	• •
pH*	7.51	0.100	pH Units	ì	6080202	AP	02-Aug-16	9045	
Sulfate	<200	200	mg/kg	- 20	6080303	AP	03-Aug-16	375.4	•
Alkalinity, Total	200	4.00	mg/kg	4	6080508	AP	05-Aug-16	310.1M	
Volatile Organic Compound	ds by EPA Method 8021						,		
Benzene*	<0.050	0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Toluene*	<0.050	0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Surrogate: 4-Bromofluorobenzene (F	OIP)	103 %	73.6-	140	6072801	MS	28-Jul-16	8021B	
Petroleum Hydrocarbons by	y GC FID	. <u>_</u> .				· .			
GRO C6-C10	<10.0	10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
DRO >C10-C28	<10.0	10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
EXT DRO >C28-C35	<10.0	10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
Surrogate: 1-Chlorooctane	A-1	66.9 %	35-1	47	6072802	MS	28-Jul-16	8015B	
Surrogate: 1-Chlorooctadecane	; · · · · · · · · · · · · · · · · · · ·	72.2 %	28-1	71	6072802	MS	28-Jul-16	8015B	
	• •							,	
		~				1 .			
		Green Analy	yticai Lab	oratories		=			
General Chemistry									
% Dry Solids	94.7		%	1	B608042	BDV	03-Aug-16	EPA160.3/16	H
								84	

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*=Accredited Analyte

any other cause whelboever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lightle for incidental or consequential damage rs arising out of or related to the performance of the services hereunder by Cardinal, regardless of

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T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH NM, 87029

Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 11-Aug-16 12:15

CELL# 1 H601671-01 (Soil)

Analyte		Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		*		Green Ana	ilytical Labo	ratories			<u> </u>	· · · · ·	
Total Metals by ICP		<u> </u>	·			<u> </u>		·			
Arsenic		<10.0		10.0	mg/kg dry	100 .	B608048	LLG	04-Aug-16	6010B	
Barium		121		1.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Cadmium	*.	<5.00		5.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Calcium	• •	3350		10.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	•
Chromium		16.6		5.00	mg/kg āry	100	B608048	LLG	04-Aug-16	6010B	
` Lead		<10.0		10.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Magnesium	•	3490		100	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	•
Potassium		1810		200	mg/kg dry	· 100 ·	B608048	LLG	04-Aug-16	6010B	4.
Selenium		<20.0	-	20.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Silver		<5.00		5.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Sodium		<200		200	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	•
Total Mercury by CV	VAA										
Mercury		<0.106		0.106	mg/kg dry	500	B608046	LLG	08-Aug-16	EPA7471	

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Celecy L. Keine





T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported: 11-Aug-16 12:15

LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6072209 - General Prep - Wet Chem	1									
LCS (6072209-BS1)				Prepared &	Analyzed:	02-Aug-10	6			
Conductivity	495		uS/cm	500		99.0	80-120			
Duplicate (6072209-DUP1)	Sou	rce: H601518-	02	Prepared &	Analyzed:	02-Aug-1	5			
Conductivity	1060	- 1.00	uS/cm		1050			1.32	20	
Batch 6072703 - 1:4 DI Water							· .			
Blank (6072703-BLK1)		ů.		Prepared: 2	26-Jul-16 A	nalyzed: 2	7-Jul-16			
Chloride	ND	16.0	mg/kg							
LCS (6072703-BS1)				Prepared: 2	26-Jul-16 A	nalyzed: 27	7-Jul-16			
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (6072703-BSD1)				Prepared: 2	26-Jul-16 A	nalyzed: 27	7-Jul-16			
Chloride	400	16.0	mg/kg	400	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100	80-120	0:00	20	
Batch 6080202 - General Prep - Wet Chem				<u>.</u>						
LCS (6080202-BS1)				Prepared &	Analyzed	02-Aug-16	5			
рН	7.02	:	pH Units	7.00		100	90-110			
Duplicate (6080202-DUP1)	Soui	rce: H601681-	·01	Prepared &	: Analyzed:	02-Aug-16	· .	•		
pH	7.29	0.100	pH Units	:	7.27			0.275	20	· · · · · · · · · · · · · · · · · · ·
Batch 6080303 - 1:4 DI Water			-							
Blank (6080303-BLK1)				Prepared &	Analyzed:	03-Aug-16				
Sulfate	ND	10.0	mg/kg	· · · · · · · · · · · · · · · · · · ·						

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

11-Aug-16 12:15

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD.	RPD Limit	Notes
Batch 6080303 - 1:4 DI Water				· · · · · · · · · · · · · · · · · · ·						
LCS (6080303-BS1)		*		Prepared &	Analyzed:	03-Aug-16				
Sulfate	18.2	10.0	mg/kg	20.0		90.8	80-120			
LCS Dup (6080303-BSD1)				Prepared &	Analyzed:	03-Aug-16				
Sulfate	18.2	10.0	mg/kg	20.0	-	91.0	80-120	0.275	20	
Batch 6080508 - General Prep - Wet C	hem		.=		· .					
Blank (6080508-BLK1)	-			Prepared &	Analyzed:	05-Aug-16				
Alkalinity, Carbonate	ND	1.00	mg/kg							
Alkalinity, Bicarbonate	, ND	5.00	mg/kg							
Alkalinity, Total	ND	1.00	mg/kg		-					
LCS (6080508-BS1)		·		Prepared & A	Analyzed:	05-Aug-16				
Alkalinity, Carbonate	ND .	1.00	mg/kg				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120			
Alkalinity, Total	104	1.00	mg/kg	100		104	80-120			
LCS Dup (6080508-BSD1)				Prepared & A	Analyzed:	05-Aug-16				
Alkalinity, Carbonate	ND	1.00	mg/kg			<u> </u>	80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg	•			80-120	0.00	20	
Alkalinity, Total	104	1.00	mg/kg	100		104	80-120	0.00	20	

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 11-Aug-16 12:15

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike L eve l	Source Result	%REC	%REC	RPD	RPD Limit	Notes
Batch 6072801 - Volatiles					1 7.					
Blank (6072801-BLK1)				Prepared &	Analyzed:	28-Jul-16				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg				-			
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg	•						
Total BTEX	ND	0.300	∞mg/kg						•	
Surrogate: 4-Bromosluorobenzene (PID)	0.0513		mg/kg	0.0500		103	73.6-140			
LCS (6072801-BS1)		· ·		Prepared &	Analyzed:	28-Jul-16				
Benzene	2.32	0.050	mg/kg	2.00		116	82.6-122	,		
Toluene	2.36	0.050	mg/kg	2.00		118	72.9-122			
Ethylbenzene	. 2.27	0.050	mg/kg	2.00		113	65.4-131			
Total Xylenes	6.81	0.150	mg/kg	6.00		114	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	73.6-140	:		
LCS Dup (6072801-BSD1)	• 14 	•	. *.	Prepared &	Analyzed:	28-Jul-16	ta e t			
Benzene	2.34	0.050	mg/kg	2.00		117	82.6-122	0.836	8.23	
Toluene	2.38	0.050	mg/kg	2.00		119	72.9-122	0.985	8.71	
Ethylbenzene	2.29	0.050	mg/kg	2.00		115	65.4-131	1.15	9.46	
Total Xylenes	6.89	0.150	mg/kg	6.00		115	73.8-125	1.08	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	73.6-140			

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Celeg & Kuna



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

11-Aug-16 12:15

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Lîmit	Notes
Batch 6072802 - General Prep - Organics										
Blank (6072802-BLK1)	,			Prepared &	Analyzed:	28-Jul-16	-			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg	•						
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.2		√mg/kg	50:0		94.5	35-147			
Surrogate: 1-Chlorooctadecane	49 .7		mg/kg	50.0		99.4	28-171			
LCS (6072802-BS1)				Prepared &	Analyzed:	28-Jul-16				
GRO C6-C10	196	10.0	mg/kg	200		98.0	76.7-115			
DRO >C10-C28	214	10.0	mg/kg	200		107	78.3-122			
Total TPH C6-C28	410	10.0	mg/kg	400	•	103	79.8-117			
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	35-147			
Surrogate: 1-Chlorooctadecane .	53.9		mg/kg	50.0		108	28-171			
LCS Dup (6072802-BSD1)				Prepared &	Analyzed:	28-Jul-16				
GRO C6-C10	193	10.0	mg/kg	200		96.3	76.7-115	1.79	9.42	
DRO >C10-C28	208	10.0	mg/kg	200		104	78.3-122	2.98	13.2	
Total TPH C6-C28	400	10.0	mg/kg	400		100	79.8-117	2.41	10.7	
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.0	35-147			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0	•	106	28-171		*	

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Celeg & Kuna



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

%REC

Limits

RPD

Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029

Analyte

Project: QUARTERLY VADOZE

Reported: 11-Aug-16 12:15

Limit:

Notes

Project Number: NONE GIVEN

Reporting

Limit

Result

Project Manager: CRAIG SCHMITZ

Spike

Level

Source

Result

%REC

Fax To: (575) 774-9116

General Chemistry - Quality Control

Green Analytical Laboratories

Batch B608042 - General Prep - Wet Chem						
Duplicate (B608042-DUP1)	Source	: 1608025-02	Prepared & Analyzed: 03-Aug-10	6		
% Dry Solids	95.2	%	94.6	0.632	20	

Units

Cardinal Laboratories

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Celley & Kee



T-N-T ENVIRONMENTAL

70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported: 11-Aug-16 12:15

LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Total Metals by ICP - Quality Control

Green Analytical Laboratories

Analyte	Resulti	Reporting Limit:	Units	Spike Level	Source Result	%REC	%REC	RPD.	RPD Limit	Notes
Batch B608048 - EPA 3050										
Blank (B608048-BLK1)				Prepared &	: Analyzed:	04-Aug-16				
Arsenic	ND	0.100	mg/kg dry			<u> </u>				
Magnesium	. ND	1.00	mg/kg dry	•						
Silver	ND	0.050	mg/kg dry							
Selenium	ND	0.200	mg/kg dry							.,
Porassium	ND	2.00	mg/kg dry							
Calcium	ND	0.100	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry	•					•	
Lead	ND	0.100	mg/kg dry							
Barium	ND	0.010	mg/kg dry							
Chromium	ND	0.050	mg/kg dry		•					
Sodium	ND	2.00	mg/kg dry							
LCS (B608048-BS1)	:			Prepared &	Analyzed:	04-Aug-16	.			
Silver	0.094	0.050	mg/kg dry	0.100		94,5	85-115			
Sodium	6.44	2.00	mg/kg dry	6.48		99.4	85-115			
Selenium	7.94	0.200	mg/kg dry	8.00		99.2	85-115			
Potassium	7.82	2.00	mg/kg dry	8.00	*	97.8	85-115			
Magnesium	19.2	1.00	mg/kg dry	20.0		96.2	85-115			
Calcium	3.98	0.100	mg/kg dry	4.00		99.5	85-115			
Barium	1.97	0.010	mg/kg dry	2.00		98.7	85-115			
Lead	1.89	0.100	mg/kg dry	2.00		94.5	85-115			
Chromium	1.99	0.050	mg/kg dry	2.00		99.3	85-115			
Cadmium	1.88	0.050	mg/kg dry	2,00	٠	94.1	85-115			
Arsenic	3.92	0.100	mg/kg dry	4.00		98.0	85-115			
LCS Dup (B608048-BSD1)				Prepared &	Analyzed:	04-Aug-16	i			
Cadmium	1.89	0.050	mg/kg dry	2.00		94.3	85-115	0.185	20	-
Silver	0.095	0.050	mg/kg dry	0.100		95.0	85-115	0.575	20	
Selenium	7.95	0.200	mg/kg dry	8.00		99.4	85-115	0.240	20	
Lead	1.93	0.100	mg/kg dry	2.00		96.3	85-115	1.97	20	
Magnesium	19.5	1.00	mg/kg dry	20.0		97.3	85-115	1.16	20	
Arsenic	3.95	0.100	mg/kg dry	4.00		98.7	85-115	0.734	20	
Sodium	6.51	2.00	mg/kg dry	6.48		100	85-115	1.06	20	

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Celeg Litrena



T-N-T ENVIRONMENTAL

70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported:

LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116

11-Aug-16 12:15

Total Metals by ICP - Quality Control

Green Analytical Laboratories

		Reporting	Spike	Source	%REC		RPD	
Analyte	Result	Limit Units	Level	Result %REC	Limits	RPD	Limit	Notes
Batch B608048 - EPA 3050								
LCS Dup (B608048-BSD1)			Prepared &	Analyzed: 04-Aug-10	6 .			
Chromium	2.00	0.050 . mg/kg dry	2.00	100	85-115	0.638	20	
Barium	1.98	0.010 mg/kg dry	2.00	99.1	85-115	0.362	20	
Potassium	7.91	2.00 mg/kg dry	8.00	98.9	85-115	1.10	20	
Calcium	4.04	0.100 mg/kg dry	4.00	101	85-115	1.61	. 20	

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Celley & treine





T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 11-Aug-16 12:15

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Total Mercury by CVAA - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit Units	Spike Level	Source Result %REC	%REC	RPD:	RPD Limit	Notes
Batch B608046 - EPA 245.1/7470								
Blank (B608046-BLK1)			Prepared &	Analyzed: 08-Aug-16	5			
Mercury	ND	0.0002 mg/kg w	et ·					
LCS (B608046-BS1)			Prepared &	k Analyzed: 08-Aug-16	5			
Mercury	0.0021	0.0002 mg/kg w	et 0.00200	104	85-115			-
LCS Dup (B608046-BSD1)			Prepared &	t Analyzed: 08-Aug-16	.			
Mercury	0.0021	0.0002 mg/kg w	et 0.00200	104	85-115	0.0962	20	

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Colleg Titere



Notes and Definitions

H2	Sample analysis performed past hold time specified by the method.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
- :	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg Likene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220

service@greenanalytical.com or dzufelt@greenanalytical.com 75 Suttle St Durango, CO 81303

Fax: (970) 247-4227

Company Name(If A	Applicable): T-n-T ENVIRONME	WIAL I	C			В	ill to (if diff	erent);					ANA	LYS	IS R	EQU	EST		
Contact Person:			A STATE OF THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUM	P.O.	#:						*************************	_[
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City: Lindri	TH State: N.M.	Zip: 870	29	Attn	:	<u></u>				·,,			W			Ϋ́			i.,		
Phone #: 505 -	774-6504	and the second second section of the second	a service and a service of a	Add	ress.	والمستنادية		بسعيب	Proposity Wildows I				<u>.</u>	and the same	<u>U</u> 100 0000		6	water may	i Angang tangga	parameter 1 statement	ingo orono in
Email: Schmi	tzent@yahoo com			City										1	4500	AN10	10				
Project Name(options	H): QUARTERLY VADOS	E		Stat	e:		Zip:						3	M	Š	47	1/2				ŀ
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		Collec				(check			# of c	ontal	ners	_	র	12	1	Ţ	2			. 1	
For Lab Use せんのゆれ せんりゅう	Sample Name or Location	Date 7/20/16	Time 2004m	GROUNDWATER	SURFACEWATER	PRODUCEDWATER	SOIL DRINKING WATER	OTHER	No proservation (general	HCI	Other	Other:	S1.2.4 8	SETEX >	Schloride	CMAIOR CATIONS.	Y & PCRA	<u>,</u>			
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PLEABE NOTE: GAL's lizbisty and by GAL within 30 days after compli	d ckent's archisive remedy for any claim arising whether based in contract or tetion, in no ovent shall GAL be fiable for incidental or consequental damage	teri, shall be limited to a, including without limit	the amount paid by tabon, business inte	the cte	nt for the s, loss o	o analys of use, or	les. All cla	الثامة المسا الثامية والأدو	uding that med by cli	e for no ent, da s	gigenes ubsidane	and eny is; affilia	other cou	se whatso cessors a	oover shall ursing out	be deem	od waved ed to the p	uniess m erforman	ade in writing	g and rec	elve:
Refinguished By:	Charles besed upon any of the above stated reasons or otherwise. Date 25 16 Time: 15	Received By:	hur	(le	ai	L	t skuten å silkstillerinsskh		ADD	ITION/	AL RE	MARKS	:		Re		State No	? (Circl	?)	
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	19:00	Godi	· M	Ü		0	1														
Delivered By: (Cir Sampler - UPS - Fed	cle One) Ex - Kangaroo - Other: #75 4	900	2.3) *:	CHE	CKED	BY:												

[†] GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

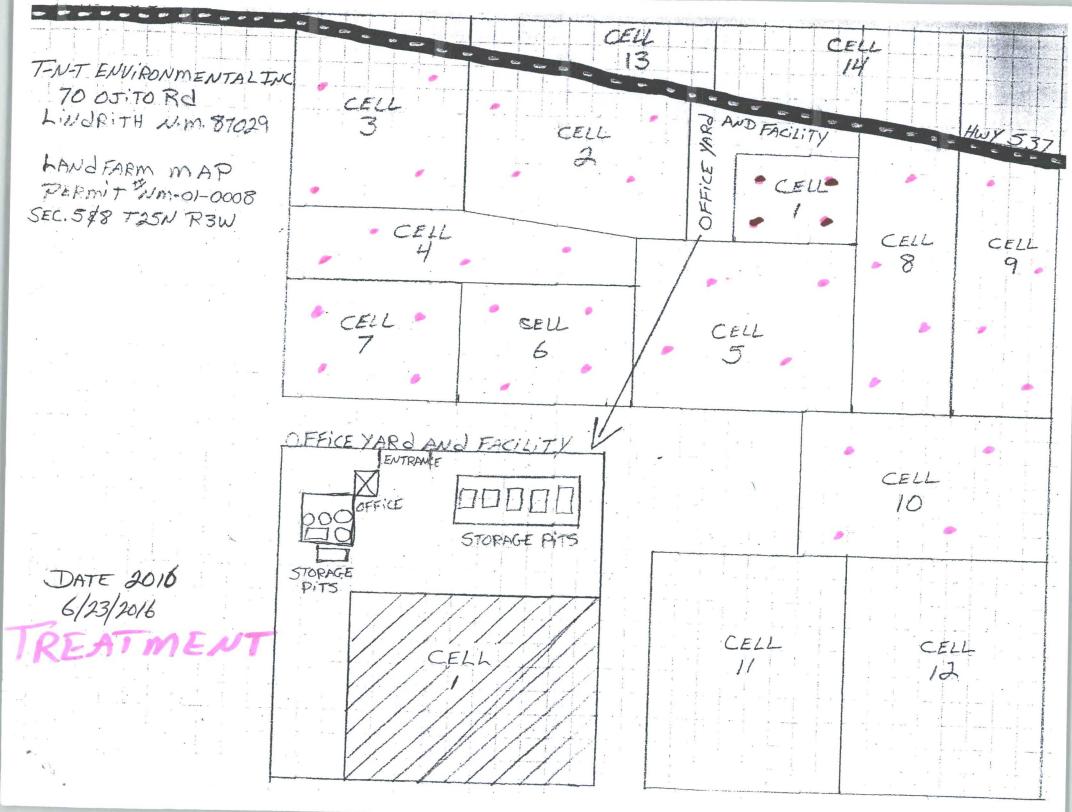
Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell # 1 Vadoze

	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Dat
	9/26/1994	11/4/2015	7/20/2016				
TPH	Back Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				<u> </u>
DRO	ND	ND	ND				<u> </u>
EXT DRO	1	ND	ND -				
418.1							
[075V 0004 0							
BTEX 8021B							
Benzene	ND	ND	ND				
Toluene	ND	ND_	. ND				
Ethylbenzene	ND	ND	ND	v	r.		
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND				
Chloride	4.57	48	ND				
Metals, WQCC A & B Metals	1	·					
	-						
Arsenic	0.158	ND	ND				
Arsenic Barium	0.158	ND 199	ND 121				
							
Barium	136	199	121				
Barium Cadmium	136 0.0811	199 ND	121 ND				
Barium Cadmium Chromium Copper	136 0.0811	199 ND	121 ND				
Barium Cadmium Chromium Copper tron Lead	136 0.0811 20.5 15500 4.92	199 ND 22.5	121 ND 16.6 ND				
Barium Cadmium Chromium Copper tron Lead	136 0.0811 20.5	199 ND 22.5	121 ND 16.6				
Barium Cadmium Chromium Copper tron Lead Mercury	136 0.0811 20.5 15500 4.92	199 ND 22.5	121 ND 16.6 ND				
Barium Cadmium Chromium Copper tron Lead Mercury Selenium silver	136 0.0811 20.5 15500 4.92 ND	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND				
Barium Cadmium Chromium Copper Iron Lead Mercury Selenium silver Manganese	136 0.0811 20.5 15500 4.92 ND 1.04	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND ND				
Barium Cadmium Chromium Copper tron Lead Mercury Selenium silver Manganese Zinc	136 0.0811 20.5 15500 4.92 ND 1.04	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND ND ND				
Barium Cadmium Chromium Copper tron Lead Mercury Selenium silver Manganese Zinc	136 0.0811 20.5 15500 4.92 ND 1.04	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND ND				
Barium Cadmium Chromium Copper Iron	136 0.0811 20.5 15500 4.92 ND 1.04	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND ND ND				
Barium Cadmium Chromium Copper Tron Lead Mercury Selenium silver Manganese Zinc calcium	136 0.0811 20.5 15500 4.92 ND 1.04	199 ND 22.5 10.8 ND	121 ND 16.6 ND ND ND ND				





June 30, 2016

CRAIG SCHMITZ
T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH, NM 87029

RE: TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/16 9:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

State of the state

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029 Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number: Project Location:

Analyte

NONE GIVEN

Sampling Date:

06/23/2016

Sampling Type:

Soil

6.00

0.188

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL # 2 (H601429-02)

BTEX 8021B

mg,	/kg	Analyzed	By: MS					
Result	Reporting Limit	Analyzed	Method Blank	ãs.	% Recovery	True Value QC	RPD	Qualifler
<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	,
<0.050	0.050	06/29/2016	ND	1.57	78.7	2.00	0.315	
<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	

4.59

ND

ND

76.5

Total Xylenes*
Total BTEX

Ethylbenzene*

Benzene*
Toluene*

Surrogate: 4-Bromofluorobenzene (PIL)

96.4 %

<0.150

<0.300

73.6-140

0.150

0.300

06/29/2016

06/29/2016

Surroguie. 4-Dromojiuorobei	4.4	75.0-	170						
Chloride, SM4500Cl-B	· · · · · ·	mg/kg	Analyze	ed By: AP					
Analyte	Res			Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
Chloride	35	2 16.0	06/29/2016	ND	400	100	400	3_92	• • •
TPH 8015M		mg/kg	Analyze	d By: MS		· ·	* *	1 as 4	<u></u>
Analyte	Res	ult Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10	0.0 10.0	06/28/2016	ND	188	94.0	200	1.45	•
DRO >C10-C28	. 11	2 10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	46.		06/28/2016	ND					

Surrogate: 1-Chlorooctane

75.4 %

35-147

Surrogate: 1-Chlorooctadecane

84.1 %

28-171

Cardinal Laboratories

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 17



T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029

Fax To:

(575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sampling Date:

06/23/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL # 4 (H601429-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	- 1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND .	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (P.	IL 98.4	% 73.6-14	0					-	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			· .		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	
DRO >C10-C28	141	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	82.3	10.0	06/28/2016	ND					
Surrogate: 1-Chlorooctane	83.3	% 35-147	,				- 21		
Surrogate: 1-Chlorooctadecane	93.6	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celent Kee



T-N-T ENVIRONMENTAL CRAIG SCHMITZ **70 OJITO ROAD** LINDRITH NM, 87029 Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/23/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL # 5 (H601429-05)

BTEX 80218	. mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	- BS	% Recovery	True Value QC	RPD	Qualifler
Benzene*	<0.050	0.050	06/29/2016	ND ·	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	1.57	78:7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.9	% 73.6-14	10 :			4.1			
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/29/2016	· ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS				·	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND .	188	94.0	200	1.45	
DRO >C10-C28	2890	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	1160	10.0	06/28/2016	ND		•			
Surrogate: 1-Chlorooctane	66.2	% 35-147	7				· · · · · · · · · · · · · · · · · · ·		,
Surrogate: 1-Chlorooctadecane	143 9	% 28-171	!			•		:	

Cardinal Laboratories

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any other cause whatspever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of including, without limitation, business interruptions, loss of use, or loss of profits incurred by dient, its subsidia

Celley D. Keine



T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029 Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/23/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: CELL # 6 (H601429-06)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	ND ·	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.5	% 73.6-14	0		* .	,			
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP			•		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/29/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS	, '			:	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	
DRO >C10-C28	921	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	453	10.0	06/28/2016	ND					
Surrogate: 1-Chlorooctane	82.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	107 9	% 28-171							

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In no event shall Cardinal be liable for incidental or consequential dam including, without limitation, business interruptions, icss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

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T-N-T ENVIRONMENTAL
CRAIG SCHMITZ
70 OJITO ROAD
LINDRITH NM, 87029
Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

2:

06/23/2016

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: CELL # 7 (H601429-07)

BTEX 8021B	mg/	kg	Anaiyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	· ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	NĎ	4.59	76.5	6.00	0.188	*
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.5	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/29/2016	ND.	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	
DRO >C10-C28	856	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	394	10.0	06/28/2016	ND					
Surrogate: 1-Chlorooctane	69.5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94.0	% 28-171	,			•	•		

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Celey & Keine



T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029

Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/23/2016

Sampling Type:

Soil

Sampling Condition:

Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: CELL # 8 (H601429-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND	,				
Surrogate: 4-Bromofluorobenzene (PIL	96.4	% 73.6-14	0				· · · · · · · · · · · · · · · · · · ·	,	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	06/29/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	
DRO >C10-C28	106	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	47.1	10.0	06/28/2016	ND					
Surrogate: 1-Chlorooctane	81.6	% 35-147		·		,			-
Surrogate: 1-Chlorooctadecane	93.8	% 28-171							

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T-N-T ENVIRONMENTAL
CRAIG SCHMITZ
70 OJITO ROAD
LINDRITH NM, 87029
Fax To: (575) 774-9116

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

78.5 %

28-171

Project Location:

NOT GIVEN

Sampling Date:

06/23/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL # 9 (H601429-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0.050	06/29/2016	ND	1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	. ND	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.8	% 73.6-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/29/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	
DRO >C10-C28	45.4	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	31.1	10.0	06/28/2016	ND	•				
Surrogate: 1-Chlorooctane	67.9	% 35-147	· · · · · · · · · · · · · · · · · · ·						

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Surrogate: 1-Chlorooctadecane

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T-N-T ENVIRONMENTAL CRAIG SCHMITZ **70 OJITO ROAD** LINDRITH NM. 87029 (575) 774-9116 Fax To:

Received:

06/28/2016

Reported:

06/30/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

06/23/2016

Jodi Henson

Sample Received By:

Sample ID: CELL # 10 (H601429-10)

BTEX 8021B	mg/i	kg	Analyze	d By: MS			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2016	ND	1.67	83.3	2.00	0.293	
Toluene*	<0.050	0:050	06/29/2016	ND	1.57	78.7	2.00	0.315	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.49	74.6	2.00	0.127	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	4.59	76.5	6.00	0.188	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.89	6 73.6-146	0 .						
Chloride, SM4500Cl-B	mg/l	kg .	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/29/2016	ND	416	104	400	0.00	
TPH 8015M	mg/l	vg	Analyze	d By: MS				*.	
Analyte ·	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/28/2016	ND	188	94.0	200	1.45	•
DRO >C10-C28	203	10.0	06/28/2016	ND	187	93.4	200	1.70	
EXT DRO >C28-C35	91.2	10.0	06/28/2016	ND			•		
Surrogate: 1-Chlorooctane	67.4 9	6 35-147							
Surrogate: 1-Chlorooctadecane	81.3 %	6 28-171							

*=Accredited Analyte **Cardinal Laboratories**

including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the perform

Celeg Titune



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220 Fax: (970) 247-4227 service@greenanalytical.com or dzufelt@greenanalytical.com 75 Suttle St Durango, CO 81303

10F2

Company Name(If Applicable): T-N-T ENVIRONMENTAL TIX.				Bill	to (if	diffe	erent) :			ANALYSIS REQUEST									
Contact Person:			P.O. #:				,	. 1971 17-16-16-16-16			ij	J	Т							
Address: 70, CR 405	and the second second second second		Company				and the state of the state of			Accessors	7			N		1	Ì			
City: LINGRITH State; M. Zip: 87029											ં ડ્રે		- }	1						
Phone #: 515-774-6504		V	Address:					···			ن ند	3		C			•	ŀ	[
Email: 5chmitzente yahoo com			City:								À	1	1	$o_{\mathcal{C}}$			÷			
Project Name(optional): TREATMENT ZONE	MONITO	nei va	State:	Zi	ip:							1 /	A)	Sm 4500						
Project Number(optional):		ر المار	Phone #:								2	\$	4	B			1	1		
Sampler Name (Print): Truy Schm +2			Email:								À) .	2021	V.	ŀ					
	Coll	ected	Matrix (check or	WWW.		# of c	ontai	ners	_	2) [K	IF					1	
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For Lab Use Sample Name or Location			GROUNDWATER SURFACEWATER WASTEWATER	DWA	N C	0) 60					. 7	1		0		ľ			1	
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H601498	Date	Time	GROUNDWATER SURFACEWATER WASTEWATER	PRODUCEDWATER SOII	DRINKING	OTHER	HNO	Σ Ξ		Other	1	1 (4	Ç					ļ	
- CELL	1/23/16	1.00 PM		L	7	1,	/				1/	ν	7	V						
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_3		1:30 PM											\prod	I						
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-5 75	and the same transfer and	2:00pm															#8#49 43 km, mary			
-6		2:15pm		1-4	44		1-					14			garantaga,		and the second second	**************		
	and the second s	2:30 pm	<u>- </u>	1-11	1	_{{}	_					1-1				and the second second	and the same	_	:	-
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PLEASE NOTE: GAL'S liability and client's exclusive remody for any claim arising whether based in contract or	ton, shall be limited	to the amount paid by	the client for the	analyses	All clasm	s includ	ang tho	se for neg	pigene	and ac	y other	auso v	whatso	ver sha	û be deer	ned waived	นกโซรร ท	rade in wri	ing and re	Cerves
	ton, shall be limited as, including without h	mitation, business into	the client for the mirphons, loss of	analyses use, or lo	All claims	s inclui s incum	sing thor red by cl	se for neg lient, its s	gigenc ubsidia	a and an	y other ates or	auso v	enatão sors en	ever sha sing out	d be deen of ar rela	med waiver	unless m performan	nade in will note of servi	ong and re ces hereu	ceives nder

by GAL regardless of whether such claim is based upon any of the above stated			
Relinguished By:	Pate: 24/1/ Received Bv:	ADDITIONAL REMARKS:	Report to State? (Circle)
Vois I	Timpy on Mutu Clark		Yes No
Religiouished By:	Part 7/16 Received Bv:	·	
Mutu Cars	Timylod Fed CX		
Relinauished By:	PUTABLICA Becerved By:	·	
	925 Mallel aprene		
Delivered By: (Circle One)	Tempgrature at reciept: CHECKED BY:		
Sampler - UPS - FedEx Kangaroo - Other:	9°CK#75 COOTEN a		

Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell#10 Treat

						Tread	ment
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016) 1
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							ÿ.·
GRO	ND	ND	ND				
DRO	281	91.8	203				
EXT DRO			91.2				
418.1							
BTEX 8021B					<u> </u>	. · · - , . · -	
Benzene	ND	ND	ND				
Toluene	0.138	ND	ND				
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND				
Chloride	176	112	16				
Metals, WQCC	T The second second						
A & B Metals							
Arsenic							
Barium							
Cadmium							
Chromium	,		1			,	
Copper							
Iron							
Lead				!			
Mercury		<u> </u>					k
Selenium							
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Manganese				· · · · · · · · · · · · · · · · · · ·			
Zinc				 			
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 9 Treat

	,		or managen.	G. G.B. Garren		TOPA	tment
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016				٨.
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	318	18.2	45.4				
EXT DRO			31.1				
418.1							
BTEX 80218	3		·····				
Benzene	ND	ND	ND			1	
Toluene	0.692	ND	ND				
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND	ND	ND			 	
Total BTEX	0.692	ND	ND				
Chloride	144	256	512	<u> </u>			k
Metals, WQCC							
A & B Metals							
	 						
Arsenic							
Barium					 		
Cadmium			4		<u> </u>		
Chromium				! !			
Copper							<u> </u>
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Lead				<u></u>		ļ	
Mercury			<u>y</u>			 	<u> </u>
Selenium					<u> </u>	ļ.	ļ
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Manganese	 				ļ	ļ	
Zinc	 			No. 1		No. 10 and 10 an	
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 8 Treat

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	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015						,
TPH	Results	Results	Results	Results	Results	Results	Results
8015M						ese Caramera a arçes	rine.
GRO	ND	ND	ND				
DRO	409	56.1	106				
EXT DRO	1		47.1				
418.1							
BTEX 8021B					——————————————————————————————————————		<u></u>
Benzene	ND	ND	ND		1		
Toluene	0.727	ND	ND				
Ethylbenzene	ND	ND	ND		1		
Total Xylenes	ND	ND	ND				
Total BTEX	0.727	ND	ND	<u></u>			
Chloride	544	465	656			4	k.
Metals, WQCC							
A & B Metals		*					
A & B IVIETAIS	<u> </u>	·				,	
Arsenic			<u> </u>				ļ
Barium					<u> </u>	*	
Cadmium			. "				
Chromium							
Copper		ļ					
iron							
Lead						ļ	
Mercury						<u>. </u>	
Selenium	ļ						
silver	<u> </u>	<u> </u>		ſ			
Manganese	<u> </u>	ļ					
Zinc	ļ						
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 7 Treat

Tiualitu Miai 94)2 3	Proje	ct wanager.	Craig Schill	-	Treas	<i>tment</i>
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016				
TPH	Results	Results	Results	Results	Results	Results	Results
8015M						1	
GRO	ND	ND	ND				
DRO	60.4	55.5	856				
EXT DRO			394				
418.1							
8TEX 8021B	3						
Benzene	ND	ND	ND				
Toluene	0.295	ND	ND				
Ethylbenzene	ND	ND	ND				1
Total Xylenes	ND	ND	ND	 			
Total BTEX	ND	ND	ND				Ž.
Chloride	672	400	160	er i			
Metals, WQCC		,					
A & B Metals					•	,	
	-	·			т		
Arsenic	ļ				.,		
Barium	 	<u> </u>			 		<u> </u>
Cadmium							
Chromium						 	
Copper Iron		<u> </u>			 	 	
Lead	 				 	 	
Mercury	 	<u> </u>	<u> </u>		 		
Selenium							
silver		,,			i.		
Manganese	 	[
Zinc	<u> </u>						
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 6 Treat

LINGITH WIVE 670	J23	riojei	rt managen.	Ciaig Scinin	142	Treat	ment
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016				,
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	378	135	921				
EXT DRO			453				
418.1							
BTEX 8021B				· · · ·			
Benzene	ND	ND	ND	<u> </u>		<u> </u>	
Toluene	0.321	ND	ND		·		
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND	ND	ND	_			
Total BTEX	0.321	ND	ND				7.
Chloride	560	752	128			· ·	
Metals, WQCC		·					
A & B Metals							
Arsenic							
Barium		·					
Cadmium			1.4				
Chromium				_,,,	31	.)	
Copper							
Iron					<u> </u>		
Lead							
Mercury						· · · · · · · · · · · · · · · · · · ·	>
Selenium							
silver	<u>k.</u>		i ⁾	<u>, </u>	· 	···	
Manganese						<u> </u>	
Zinc							
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 5 Treal

Lindfilm NIVI 67	JZ9	Proje	cr manager:	Craig Scittin	, (177	Treat	ment
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016				
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	2070	91.8	2890				
EXT DRO			1160				
418.1					<u> </u>		
BTEX 8021B	3						**************************************
Benzene	ND	ND	ND				
Toluene	0.511	ND	ND				
Ethylbenzene	ND .	ND	ND				
Total Xylenes	ND	ND	ND				
Total BTEX	0.511	ND:	ND.				
Chloride	256	160	288			ř.	
Metals, WQCC	<u> </u>	•	······································		- 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 		
A & B Metals							
Arsenic							
Barium							,
Cadmium					,		
Chromium		,		,			1
Copper							
Iron							
Lead	<u> </u>						
Mercury		ļ					d
Selenium		<u> </u>			<u></u>		<u> </u>
silver	<u> </u>	¥				<u> </u>	<u> </u>
Manganese	 				ļ		
Zinc	 	<u> </u>					
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 4 Treat

		110,0	or managen	Ci dig odinin		Trent	ment
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016	,			
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	721	26.5	141				
EXT DRO			82.3				
418.1							
BTEX 8021B		`					
Benzene	ND	ND	ND		<u> </u>	<u> </u>	
Toluene	0.683	ND	ND				T
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND	ND	ND				
Total BTEX	0.683	ND	ND				
Chloride	496	400	496		r		<u> </u>
Metals, WQCC							
A & B Metals							
· · · · · · · · · · · · · · · · · · ·			·		,	,	
Arsenic	ļ						<u> </u>
Barium	<u> </u>	<u> </u>					
Cadmium				· · · · · · · · · · · · · · · · · · ·			
Chromium					ļ		}
Copper	 				ļ		
Iron	 						
Lead							
Mercury	<u>.</u>	ļ		<u>.</u>			ļ
Selenium	 					434.7	E
silver	<u> </u>	jř		/r:	<u> </u>	ļ··	<u> </u>
Manganese	 						
Zinc	Notes	Netas	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 3 Treat

						Treate	nen t
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	6/23/2016				
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	, ND	ND	g. 37	· .		
DRO	966	528	736		·		
EXT DRO			336				
418.1	<u> </u>						
BTEX 8021B						······································	
Benzene	ND	ND	ND				
Toluene	0.209	ND	ND	"	,)	
Ethylbenzene	ND	ND	ND	-,			
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND	·			
Chloride	448	528	368				
Metals, WQCC							
A & B Metals). 			•			
Arsenic	1				<u> </u>		<u> </u>
Barium							
Cadmium							
Chromium							
Copper				,			
Iron							
Lead							
Mercury	4,			,			<u> </u>
Selenium	<u> </u>						
silver	i			i i			
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Manganese	5		<u> </u>		والمسارعة والمحاربين		
	Notes	Notes	Notes	Notes	Notes	Notes	Notes

Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

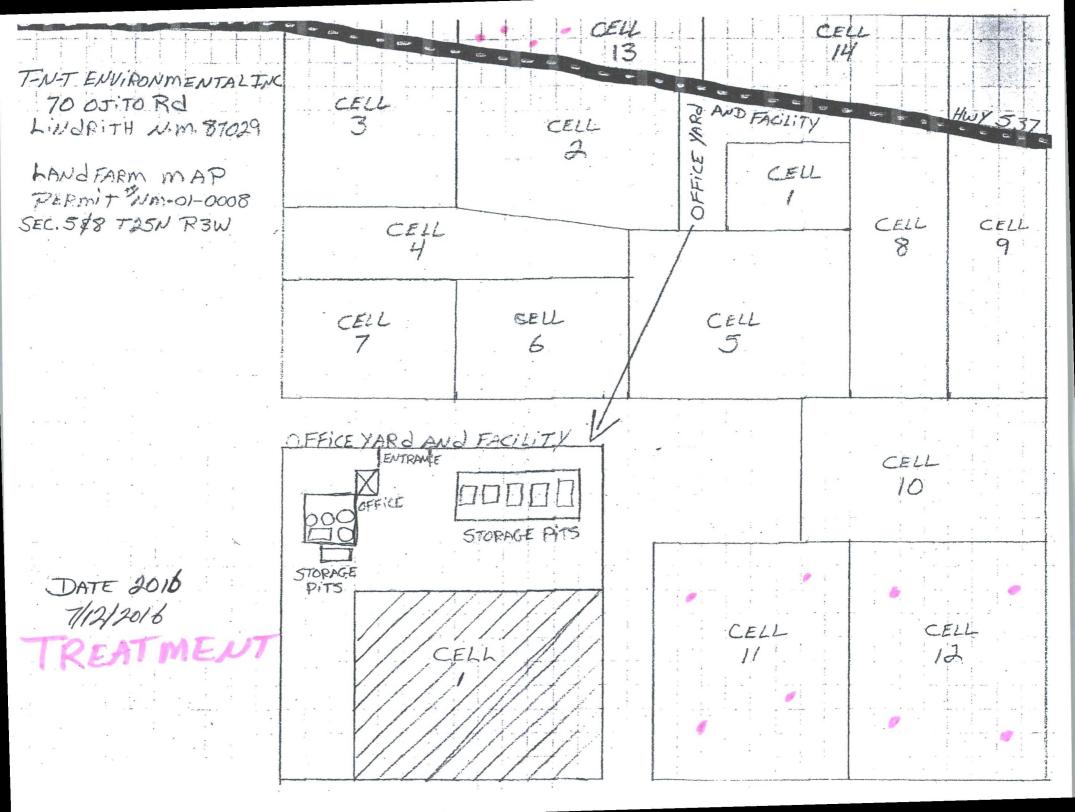
Cell # 2 Treat

LINGITHI NIVI 67	U 2 3	rioje	tt Maliagei.	Ci dig Jeimin		Treator	ent
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
•	4/22/2015	11/3/2015	6/23/2016				
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	87	307	112	·			
EXT DRO			46.9				
418.1			-1				
8TEX 8021B	3		· · · · · · · · · · · · · · · · · · ·	·			
Benzene	ND	ND	ND		· · · · · · · · · · · · · · · · · · ·	1	Ţ
Toluene	0.068	ND	ND				
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND				
Chloride	224	112	352	r		F	*
Metals, WQCC							
A & B Metals							
Arsenic							
Barium				,		1	
Cadmium			J	4			
Chromium		·				<u> </u>	
Copper							
iron)
Lead							:
Mercury							<u> </u>
Selenium					<u> </u>		<u> </u>
sitver	£:				<u> </u>		
Manganese					[
Zinc							
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell # 1 Treat

Treatment Sample Sample Sample Sample Sample Sample Sample Date Date Date Date Date Date Date 4/22/2015 11/3/2015 6/23/2016 TPH Results Results Results Results Results Results Results 8015M GRO ND ND ND DRO 119 233 202 **EXT DRO** 28.7 418.1 **BTEX 80218** ND ND Benzene ND Toluene 0.225 0.065 ND Ethylbenzene ND ND ND **Total Xylenes** ND ND ND Total BTEX ND ND ND Chloride 480 256 112 Metals, WQCC A & B Metals Arsenic Barium Cadmium Chromium Copper Iron Lead Mercury Selenium silver Manganese Zinc **Notes** Notes Notes Notes **Notes** Notes Notes





July 20, 2016

CRAIG SCHMITZ T-N-T ENVIRONMENTAL 70 OJITO ROAD

LINDRITH, NM 87029

RE: TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 07/14/16 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keen

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



T-N-T ENVIRONMENTAL **CRAIG SCHMITZ** 70 OJITO ROAD LINDRITH NM, 87029

Fax To:

(575) 774-9116

Received: Reported: 07/14/2016

07/20/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

07/12/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL #11 (H601582-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2016	ND	2.05	102	2.00	0.758	
Toluene*	<0.050	0.050	07/14/2016	ND	2.20	110	2.00	0.562	
Ethylbenzene*	<0.050	0.050	07/14/2016	· ND	2.15	107	2.00	0.497	
Total Xylenes*	<0.150	0.150	07/14/2016	ND	6.48	108	6.00	0.501	
Total BTEX	<0.300	0.300	07/14/2016	ND			•		
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.6-14	0		·				, ,,,,
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/15/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2016	ND	178	88.9	200	3.28	
DRO >C10-C28	<10.0	10.0	07/14/2016	ND	188	93.9	200	3.89	
EXT DRO >C28-C35	<10.0	10.0	07/14/2016	ND					
Surrogate: 1-Chlorooctane	55.7	% 35-147	· · · · · · · · · · · · · · · · · · ·						
Surrogate: 1-Chlorooctadecane	55.8	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

any other cause whebsever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential dama Including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substdiaries, diffiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celeg & Keine



T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029 Fax To: (575) 774-9116

Received:

07/14/2016

Reported:

07/20/2016

Project Name:

TREATMENT ZONE

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

07/12/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL #12 (H601582-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2016	ND	2.05	102	2.00	0.758	
Toluene*	<0.050	0.050	07/14/2016	ND	2.20	110	2.00	0.562	
Ethylbenzene*	<0.050	0.050	07/14/2016	ND	2.15	107	2.00	0.497	
Total Xylenes*	<0.150	0.150	07/14/2016	ND	6.48	108	6.00	0.501	
Total BTEX	<0.300	0.300	07/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.6-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/15/2016	ИD	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS		·	·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2016	ND	178	88.9	200	3.28	
DRO >C10-C28	53.6	10.0	07/14/2016	ND	188	93.9	200	3.89	
EXT DRO >C28-C35	19.7	10.0	07/14/2016	ND					
Surrogate: 1-Chlorooctane	77.6	% 35-147	,						
Surragate: 1-Chlorooctadecane	88.6	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg T. Keene





T-N-T ENVIRONMENTAL CRAIG SCHMITZ 70 OJITO ROAD LINDRITH NM, 87029

Fax To: (575) 774-9116

Received:

07/14/2016

Reported:

07/20/2016

Project Name:

TREATMENT ZONE

Project Number: Project Location: NONE GIVEN

NOT GIVEN

Sampling Date:

07/12/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: CELL #13 (H601582-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
Benzene*	<0.050	0.050	07/15/2016	ND	1.86	93.2	2.00	1.20	
Toluene*	<0.050	0.050	07/15/2016	ND	2.08	104	2.00	1.83	
Ethylbenzene*	<0.050	0.050	07/15/2016	ND	2.06	103	2.00	2.00	
Total Xylenes*	<0.150	0.150	07/15/2016	ND	6.25	104	6.00	1.71	
Total BTEX	<0.300	0.300	07/15/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP		:			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/15/2016	· ND:	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2016	ND	178	88.9	200	3.28	
DRO >C10-C28	<10.0	10.0	07/14/2016	ND	188	93.9	200	3.89	
EXT DRO >C28-C35	<10.0	10.0	07/14/2016	ND					
Surrogate: 1-Chlorooctane	59.8	% 35-147	,						
Surrogate: 1-Chlorooctadecane	55.0	% 28-171		•					

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetsoever shall be deemed welved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, effiliates or successors arising out of or related to the performance of the services hereunder by Cardinai, regardless of whether successors claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg T. Keene





Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keine

Celey D. Keene, Lab Director/Quality Manager

Analytical Laboratorres

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220

service@greenanalytical.com or dzufelt@greenanalytical.com

Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

Company Name(If Applicable): T-N-T ENVIRONMENTAL INC.				Bill to (if different):					ANALYSIS REQUEST													
Contact Person:	Company of the Compan	form foliable the territories is	the first that we have	P.0	. #:		neropean silming	et. 100, /1000	manin summer of the	emage (pilotopie, app.)	ž.,,		and the second second	7		~	T	T				
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	ar widow white the translation is a second of the second o	and with the first own of the second	A Company of the Comp					-						104 total appropriate to the	to -emercial		January	ļ	. The statement	ata simpus, arabassius.		An principality of a second
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ngan nghangsi nan ganayanah tang 190 sa malan mendapatan yang yang yang dagi sahari	روي والايلية الأفاهد فالواحدة الأستهولية والإرابية والوريشة والرائية والمستوانية والمستوانية والمستوان وينهدون والمرابية والمستوان والمس	and the state of t	and the controllers, but with the control of the co				}_			-			-								, alumante angemente a	
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Relinquished By: Relinquished By: Relinquished By: Relinquished By: Delivered By: (Circle	In this of event shall GAL be table for incidental or consequental damage taim is based upon gary of the above stated reasons or otherwise. Date: 3/16 Time: 300	Received By Received By Received By Redeived By	EA TEMPERAL	le	W Legge	L Se	or	CHEC	el e sallet en la comunicación de la colonia					EMARK		arising oc		epart t		e of servic		der
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell#11 Treat

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	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
							ì.
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	202	ND	ND				
EXT DRO							
418.1	. 5	, p°			, ,	2 8	
BTEX 8021B				·	·		
Benzene	ND	ND	ND	···]
Toluene	0.597	ND	ND				
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND.	ND	ND				
Total BTEX	0.597	ND	ND	4.			
Chloride	80	416	ND				
Metals, WQCC	1						
A & B Metals							
		,		· · · · · · · · · · · · · · · · · · ·	T		
Arsenic							
Barium			1				
Cadmium							
Chromium							
Copper							
Iron							
Lead				······································			
Mercury		5					<u>k</u>
Selenium				·			
silver							
Manganese				- /			·
Zinc							
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

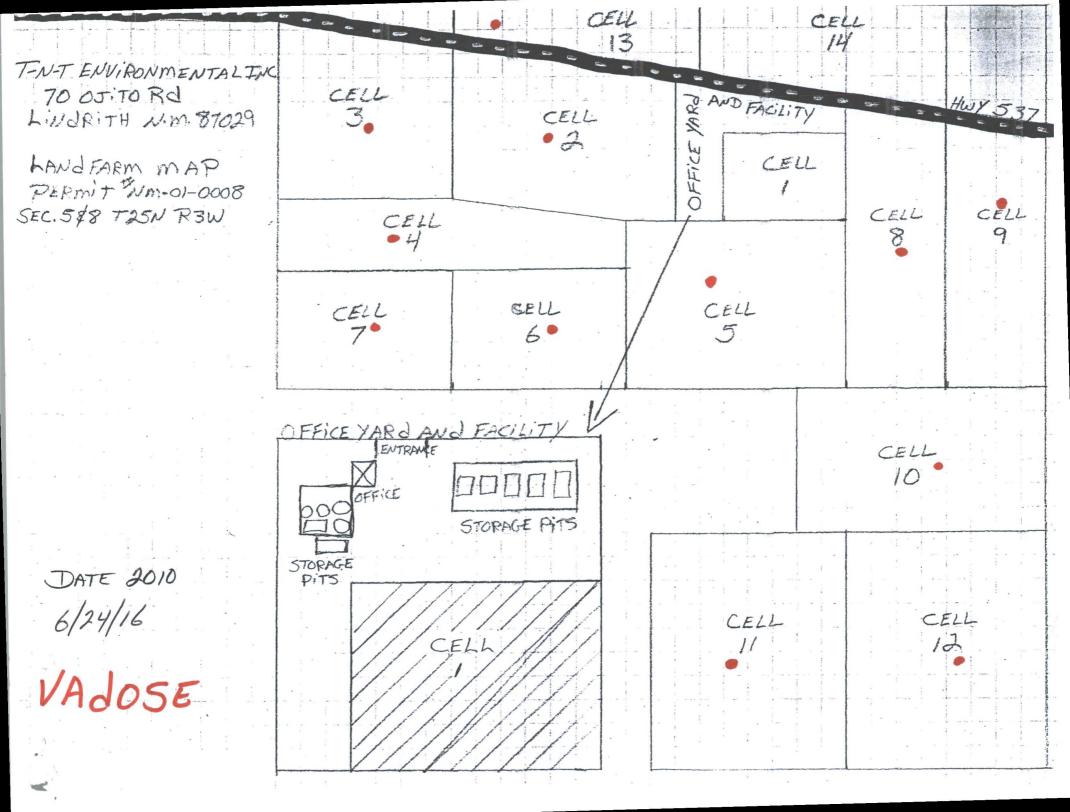
Cell#12 Treat

		. •				Tree	ntonen
	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
	4/22/2015	11/3/2015	7/12/2016			î.	5
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND				
DRO	24.2	19.1	53.6				
EXT DRO			19.7		·		
418.1			s g		. 4		
BTEX 8021B		· · · · · · · · ·		. <u>. </u>	<u>:</u>		
Benzene	ND	ND	ND	•			
Toluene	0.286	ND	ND				
Ethylbenzene	ND	ND	ND				
Total Xylenes	ND.	ND	ND				
Total BTEX	ND	ND	ND				
Chloride	448	176	64				
	1	***	· · · · · · · · · · · · · · · · · · ·			<u> </u>	
Metals, WQCC A & B Metals							, ,
Arsenic							ſ.
Barium			.49				.2
Cadmium							
Chromium							
Copper							
Iron							
Lead							
Mercury	ķ.		5	٠.		**	
Selenium			ν				
silver				·			
Manganese							
Zinc							
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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Project: LandFarm
Project Name: Vadoze
Project Manager: Craig Schmitz

Cell#13 Trea

				0.0.6		Treat	tment
. •	Sample	Sample	Sample	Sample	Sample	Sample	Sample
	Date	Date	Date	Date	Date	Date	Date
<u></u>	4/22/2015	11/3/2015	7/12/2016				r.
TPH	Results	Results	Results	Results	Results	Results	Results
8015M							:
GRO	ND	ND	ND				
DRO	ND	50.4	ND				
EXT DRO					,		
418.1	4	સ					
BTEX 8021B]		 	•			·
Benzene	ND	ND	ND	<u> </u>		1	<u> </u>
Toluene	0.412	0.081	ND				
Ethylbenzene	ND	ND	ND		· · · · · · · · · · · · · · · · · · ·		
Total Xylenes	0.167	0.185	ND				<u> </u>
Total BTEX	0.579	ND	ND			·.	.
Chloride	192	64	ND				
Metals, WQCC	1	· · · · · · · · · · · · · · · · · · ·	,				
A & B Metals							
		, ,			,	ı	1
Arsenic							
Barium	1		- 13] .÷.
Cadmium			· .				
Chromium				,			
Copper							
Iron	<u> </u>	;					
Lead					-		
Mercury	į.					es.	k.
Selenium	•		· · · · · · · · · · · · · · · · · · ·				<u> </u>
silver							
Manganese						<u> </u>	
Zinc	Natas	Alakaa	Makas	N1 - 4		\$1.4	A 1
	Notes	Notes	Notes	Notes	Notes	Notes	Notes
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July 21, 2016

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: QUARTERLY VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/16 9:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B

Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2

Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL # 2	H601430-02	Soil	22-Jun-16 08:30	28-Jun-16 09:25
CELL # 3	H601430-03	Soil	22-Jun-16 09:00	28-Jun-16 09:25
CELL # 4	H601430-04	Soil	22-Jun-16 09:30	28-Jun-16 09:25
CELL # 5	H601430-05	Soil	22-Jun-16 10:00	28-Jun-16 09:25
CELL # 6	H601430-06	Soil	22-Jun-16 10:30	28-Jun-16 09:25
CELL # 7	H601430-07	Soil	22-Jun-16 11:00	28-Jun-16 09:25
CELL # 8	H601430-08	Soil	22-Jun-16 11:30	28-Jun-16 09:25
CELL # 9	H601430-09	'Soïl	22-Jun-16 12:00	28-Jun-16 09:25
CELL # 10	H601430-10	Soil	22-Jun-16 13:30	28-Jun-16 09:25
CELL # 11	H601430-11	Soil	22-Jun-16 14:00	28-Jun-16 09:25
CELL # 12	H601430-12	Soil	22-Jun-16 14:30	28-Jun-16 09:25
CELL # 13	H601430-13	Soil ,	22-Jun-16 15:00	28-Jun-16 09:25
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Celeg T. Keine

Reported:

21-Jul-16 16:35



Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#2 H601430-02 (Soil)

Analyte	Result	MDL Limit	Units	Dilution	Basch	Analyst	Analyzed	Method	Notes
		Card	inal Laborat	ories	. ,				-
Inorganic Compounds									
Alkalinity, Bicarbonate	488	20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00	4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0	16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-CI-B	
Conductivity	397	1.00	uS/cm	1	6070503	AP	05 -Jน l-16	120.1	
pH*	7.30	0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0	40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	400	16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compound	s by EPA Method 80	21							
Benzene*	< 0.050	0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)	97.1 9	% 73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10	<10.0	10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0	10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0	10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane		80.2	% 35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane		87.0	% 28-1	71	6062812	MS	29-Jun-16	801 5B	
		Green An	alytical Lab	oratories	•				
General Chemistry			-						
% Dry Solids	98.3		%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

21-Jul-16 16:35

CELL#2 H601430-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	ilytical Labo	ratories					
Total Metals by ICP	·									
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	88.4		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	•
Calcium	3340		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	14.5		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3200		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1940		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA		·			·		<u></u>			
Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

Project Manager: CRAIG SCHMITZ

CELL#3 H601430-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ries					
Inorganie Compounds	· · · · · · · · · · · · · · · · · · ·									
Alkalinity, Bicarbonate	351		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	ΑP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-C1-B	
Conductivity	318		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
рН*	7.28		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jน1-16	375.4	
Alkalinity, Total*	288		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbeńzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150	•	0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		96.1 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			81.8 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			82.4 %	28-1	71	6062812	MS	29-Jun-16	801 5B	
			Green Analy	ytical Labo	ratories					
General Chemistry	,									
% Dry Solids	98.1	•		%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H

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Celeg Li Keine



T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported:

LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116

21-Jul-16 16:35

CELL#3 H601430-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	ratories					
Total Metals by ICP										
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	91.8		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	< 5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	3510		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	14.3		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12 - Jul-16	EPA6010 B	
Magnesium	3270		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1590		200	mg/kg dry	100	B607069	LLG	12 - Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	< 5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA										
Mercury	< 0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#4 H601430-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories		,		<u></u>	
Inorganic Compounds			·							
Alkalinity, Bicarbonate	370		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-C1-B	
Conductivity	376		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
рН*	7 .31 .		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	ΑP	11-Jul-16	375.4	
Alkalinity, Total*	304		16.0	mg/kg	ì	6071107	AP	14-Jนl-16	310.1	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050	:	0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	- 50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.7 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			79.0 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane		-	88.7 %	28-1	71	6062812	MS	29-Jun-16	801 5B	
			Green Anal	ytical Labo	ratories					
General Chemistry	· · · · · · · · · · · · · · · · · · ·									
% Dry Solids	98.1			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H

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Celey & Kune

Celey D. Keene, Lab Director/Quality Manager

Reported:

21-Jul-16 16:35



Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#4 H601430-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
	* .		Green Ana	lytical Labo	ratories					
Total Metals by ICP				·						
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	97.5		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	•
Calcium	4310		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	17.3		5.00	mg/kg dry	100	B607069	LLG	12- Jui -16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3910		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1730		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA										
Mercury	<0.102		0.102	_ mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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Celey L. Keine

Reported:

21-Jul-16 16:35



Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#5 H601430-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	370		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0	•	16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-C1-B	
Conductivity	329		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.36		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	304		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by I	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.9 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			82.0 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			79.5 %	28-1	71	6062812	MS	29-Jun-16	801 5B	
							,			
1			Green Anal	ytical Labo	oratories					
General Chemistry										
% Dry Solids	97.7			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

CELL#5 H601430-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	oratories					
Total Metals by ICP										
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	89.7		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	9040		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	16.0		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3560		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1620		200	mg/kg dry	100	B607069	LLG	12 - Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA	· · · · · · · · · · · · · · · · · · ·	<u>-</u>	<u>.</u>	· · · · · · · · · · · · · · · · · · ·				·		
Mercury	< 0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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Celeg T. Keine



T-N-T ENVIRONMENTAL **70 OJITO ROAD** LINDRITH NM, 87029

Project: QUARTERLY VADOZE

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

21-Jul-16 16:35

CELL#6 H601430-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds						·		·		<u>.</u>
Alkalinity, Bicarbonate	429		20.0	mg/kg	1	6071107	AP	14-Jน1-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	. 1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AΡ	29-Jun-16	4500-C1-B	
Conductivity	464		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.46	,	0.100	pH Units	Ť	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	352		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by G	C FID							<u></u>		
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			80.4 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			75.4 %	28-1	71	6062812	MS	29-Jun-16	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry						1				
% Dry Solids	97.9			%	1	B607087	LLG	13-Jul-16	ASA#9 &	Н

General Chemistry				1				
% Dry Solids	97.9	%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1

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Clay Titure

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL 70 OJITO ROAD

LINDRITH NM, 87029

Mercury

Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

CELL#6 H601430-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	ratories					
Total Metals by ICP										
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	108		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	< 5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4130		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	18.2		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	÷
Magnesium	4030		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2240		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA										

mg/kg dry

500

B607010

LLG

08-Jul-16

EPA7471

0.102

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Celey & Kuna

Celey D. Keene, Lab Director/Quality Manager

< 0.102



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

CELL#7 H601430-07 (Soil)

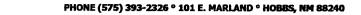
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds							· · · · · · · · · · · · · · · · · · ·	<u> </u>	·········	
Alkalinity, Bicarbonate	352		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-C1-B	
Conductivity	329		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
рН*	7.38		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	288		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by I	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.6 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID							·		
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			86.1 %	35-	147	6062812	MS	29-Jun-16	8015B '	
Surrogate: 1-Chlorooctadecane			82.2 %	28-1	171	6062812	MS	29-Jun-16	801 5B	
			Green Analy	ytical Lab	oratories					
General Chemistry			·							
% Dry Solids	97.5			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	Н

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported:

Project Number: NONE GIVEN

NONE GIVEN

21-Jul-16 16:35

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#7
H601430-07 (Soil)

Analyte	Result	MDL Reporting	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
-		Green An	alytical Labo	oratories					
Total Metals by ICP									
Arsenic	<10.0	10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	•
Barium	111	1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4400	100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	16.6	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0	10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3810	100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1980	200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0	20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	< 5.00	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200	200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA									
Mercury	< 0.103	0.103	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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Celey & Kuna



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Reported: 21-Jul-16 16:35

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#8 H601430-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ries	<u> </u>				
Inorganic Compounds						·				
Alkalinity, Bicarbonate	312		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	288		1.00	uS/cm	1	6070503	AP	. 05-Jul-16	120.1	
рН*	7.46		0.100	pH Units	ì	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	256		16.0	mg/kg	1	6071107	AP	14 - Jul-16	310.1	
Volatile Organic Compounds by	EPA Method	8021	·····							
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	· 50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.3 % 73.6-140		140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0	•	10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			90.8 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			87.2 %	28-1	71	6062812	MS	29-Jun-16	801 5B	•
			Green Anal	ytical Labo	ratories			r		
General Chemistry						·	. .			
% Dry Solids	96.9			%	I	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	Ī

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Chang T. Kenne

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

CELL#8 H601430-08 (Soil)

Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Green An	alytical Labo	ratories					
Total Metals by ICP									
Arsenic	<10.0	10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	92.9	1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	3720	100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	16.9	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0	10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3680	100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1660	200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0	20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00	5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200	200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA		· · · · · · · · · · · · · · · · · · ·			<u> </u>				
Mercury	<0.103	0.103	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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alex T. Kuna

Reported:

21-Jul-16 16:35



Analytical Results For:

T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#9 H601430-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Note
			Cardina	al Laborat	ories					
Inorganic Compounds		· · · · · · · · · · · · · · · · · · ·								
Alkalinity, Bicarbonate	156		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	ΑP	14-Jul-16	310.1	
Chloride	<16.0	•	16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-C1-B	
Conductivity	140		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
рН*	7.17		0.100	pH Units	1	6062809	ΑP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	128		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by	EPA Method	8021		 						
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			78.7 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			76.6 %	28-1	71	6062812	MS	29-Jun-16	801 5B	

Green Analytical Laboratories

General Chemistry	·	·						
% Dry Solids	94.8	%	. 1	B607087	LLG	13-Jul-16	ASA#9 &	Hì
							2#A222	

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Celey T. Keine

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

"ERLY VADOZE Reported:
GIVEN 21-Jul-16 16:35

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#9 H601430-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ans	ılytical Labo	ratories					
Total Metals by ICP			:							
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	154		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4520		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	21.5	·	5.00	mg∕kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	4910		. 100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2350		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12 - Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200	•	200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA								•		
Mercury	<0.105	-: 	0.105	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#10 H601430-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborator	ies					
Inorganic Compounds										
Alkalinity, Bicarbonate	156		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-CI-B	
Conductivity	104		1.00	uS/cm	1	6070504	,AP	05-Jul-16	120.1	
pH*	7.28		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11 - Jul-16	375.4	
Alkalinity, Total*	128	·	16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	98.1 % 73.6-140			MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			76.6 %	35-14	7 .	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			71.5 %	28-17	1	6062812	MS	29-Jun-16	801 5B	
			Green Analy	ytical Labor	atories					
General Chemistry										
% Dry Solids	94.5			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H

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T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#10 H601430-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Green Ana	lytical Labo	ratories							
Total Metals by ICP												
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Barium	140	*	1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Calcium	3980		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Chromium	18.6		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Magnesium	4250		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Potassium	2040		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B			
Total Mercury by CVAA		_ : .										
Mercury	<0.106		0.106	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	·		

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Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

21-Jul-16 16:35

CELL#11 H601430-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories			· · · · · ·		
Inorganic Compounds									·	
Alkalinity, Bicarbonate	273		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	. 4	6062905	ΑP	29-Jun-16	4500-C1-B	
Conductivity	286		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
р Н *	7.28		0.100	pH Units	. 1	6062809	AP	29-Jun-16	9045	
Sulfate	87.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	224		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.7 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			88.0 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			82.5 %	28-1	71	6062812	MS	29-Jun-16	801 5 B	
			Green Analy	ytical Labo	oratories					•
General Chemistry							,			
% Dry Solids	84.1	-		%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	HI
	X									

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*=Accredited Analyte

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Celeg To Keene



T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

LINDRITH NM, 87029

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#11 H601430-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	ratories					
Total Metals by ICP						·				
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	157		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4660		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	22.7		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0	i	10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	5070		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2770		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA	·						·			
Mercury	<0.119		0.119	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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Celly L. Keen



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL#12 H601430-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
•••			Cardina	al Laborat	ories					
Inorganic Compounds			,							
Alkalinity, Bicarbonate	234		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-C1-B	
Conductivity	148		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.34		0.100	pH Units	1	6062809	ΑŢ	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	192		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by	EPA Method	8021			<u>.</u>				···	
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50 ⁻	6062901	MS	29-Jun-16	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.4 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		. 10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS.	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1 .	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			78.6 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			76.7 %	28-1	71	6062812	MS	29-Jun-16	801 5B	
			Green Anal	ytical Labo	oratories					
General Chemistry										
% Dry Solids	93.5			%	1	B607087	LLG	13-Jul-16	ASA#9 &	H

ASA#9 & SSSA#5

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Celley T. Keene

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL# 12 H601430-12 (Soil)

Analyte	Result	., MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	· Method	Notes
			Green Ana	lytical Labo	ratories					
Total Metals by ICP										
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	165		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4940		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	23.0		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	10.5		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	5210		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2410		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jսկ-16	EPA6010 B	
Total Mercury by CVAA			<u> </u>							<u> </u>
Mercury	<0.107		0.107	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	

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Celey & Keine



T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH NM, 87029

Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

CELL# 13 H601430-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds				· 						
Alkalinity, Bicarbonate	234		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-C1-B	•
Conductivity	148		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.39		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-J ul-1 6	375.4	
Alkalinity, Total*	192		16.0	mg/kg	I	6071107	AP	14-Jul-16	310.1	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	< 0.050		0:050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	,
Total Xylenes*	< 0.150		0:150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	,		98.4 %	73.6-	140	6062901	MS	29-Jun-16	8021B	
Petroleum Hydrocarbons by GC	CFID				=					
GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			84.5 %	35-1	47	6062812	MS	29-Jun-16	801 5B	
Surrogate: 1-Chlorooctadecane			78.9 %	28-1	71	6062812	MS	29-Jun-16	8015B	
								•		•
			Green Anal	vtical Lab	oratories					•
			31 vv. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,						

General Chemistry								
% Dry Solids	95.3	%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	. H1

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Celey L. Keene

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

CELL# 13 H601430-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lab	ratories				· ·	
Total Metals by ICP										
Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12 -Jul -16	EPA6010 B	
Barium	154		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	•
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4660		100	mg/kg dry	100	B607069	LLG	. 12-Jul-16	EPA6010 B	
Chromium	20.3		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	4720		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	÷
Potassium	2220		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	< 5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Total Mercury by CVAA		·	······································				· · · · · ·		<u></u>	
Mercury	< 0.105	•	0.105	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	*

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Celeg Di Keene

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

Project: QUARTERLY VADOZE

Reported:

70 OJITO ROAD LINDRITH NM, 87029

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ 21-Jul-16 16:35

Fax To: (575) 774-9116

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6062808 - General Prep - Wet Chem	·				·		. <u> </u>			
LCS (6062808-BS1)				Prepared: 2	28-Jun-16 A	nalyzed: 29	9-Jun-16			
H	7.02		pH Units	7.00		100	90-110			
Ouplicate (6062808-DUP1)	Sou	rce: H601428	-01	Prepared: 2	28-Jun-16 A	nalyzed: 29	9-Jun-16			
H	8.56	0.100	pH Units		8.71			1.74	20	
Batch 6062809 - General Prep - Wet Chem										
.CS (6062809-BS1)				Prepared: 2	28-Jun-16 A	nalyzed: 25	9-Jun-16			
Н	7.06		pH Units	7.00		101	90-110			
Duplicate (6062809-DUP1)	Sou	rce: H601430	-09	Prepared: 2	28-Jun-16 A	nalyzed: 29	9-Jun-16			
Н	7.22	0.100	pH Units		7.17			0.695	20	
Batch 6062904 - 1:4 DI Water		·								
Blank (6062904-BLK1)				Prepared &	Analyzed:	29-Jun-16				
hloride	ND	16.0	mg/kg							
.CS (6062904-BS1)				Prepared &	Analyzed:	29-Jun-16				
hloride	416	16.0	mg/kg	400		104	80-120			
.CS Dup (6062904-BSD1)		<u>.</u>		Prepared &	: Analyzed:	29-Jun-16				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 6062905 - 1:4 DI Water										
Blank (6062905-BLK1)			·	Prepared &	Analyzed:	29-Jun-16				
Chloride	ND	16.0	mg/kg							

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Celley L. Keens





T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029

Project: QUARTERLY VADOZE

Reported:

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

21-Jul-16 16:35

Fax To: (575) 774-9116

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level\	Result	%REC	Limits	ŖŖĎ	Limit	Notes
Batch 6062905 - 1:4 DI Water						• .				
LCS (6062905-BS1)				Prepared &	: Analyzed:	29-Jun-16				
Chloride	432	16.0	mg/kg	400		108	80-120		•	
LCS Dup (6062905-BSD1)				Prepared &	Analyzed:	29-Jun-16				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 6070503 - General Prep - Wet Chem										
LCS (6070503-BS1)				Prepared &	Analyzed:	05-Jul-16				
Conductivity	491		uS/cm	500		98.2	80-120			
Duplicate (6070503-DUP1)	Sou	rce: H601430	-01	Prepared &	Analyzed:	05-Jul-16				
Conductivity	- 317	1.00	uS/cm		312			1.59	20	
Batch 6070504 - General Prep - Wet Chem										
LCS (6070504-BS1)				Prepared &	Analyzed:	05-Jul-16				
Conductivity	491		uS/cm	500		98.2	80-120		-	
Duplicate (6070504-DUP1)	Sou	rce: H601430-	-10	Prepared &	Analyzed:	05-Jul-16				
Conductivity	104	1.00	uS/cm		104			0.0960	20	
Batch 6071106 - General Prep - Wet Chem			`			····				
Blank (6071106-BLK1)				Prepared &	: Analyzed:	11-Jul-16				
Sulfate	ND	10.0	mg/kg							

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Celeg T. Keens



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116 Reported: 21-Jul-16 16:35

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6071106 - General Prep - Wet Chem		· :						•		
LCS (6071106-BS1)				Prepared &	: Analyzed:	11-Jul-16				
Sulfate	23.5	10.0	mg/kg	20.0		118	80-120			
LCS Dup (6071106-BSD1)				Prepared &	: Analyzed:	11-Jul-16				
Sulfate	20.0	10.0	mg/kg	20.0		100	80-120	16.1	20	
Batch 6071107 - General Prep - Wet Chem				·						
Blank (6071107-BLK1)				Prepared &	Analyzed:	11-Jul-16				
Alkalinity, Carbonate	ND	1.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	ND	4.00	mg/kg							
LCS (6071107-BS1)				Prepared &	Analyzed:	11-Jul-16				
Alkalinity, Carbonate	ND	1.00	mg/kg			٠,	80-120			
Alkalinity, Bicarbonate	122	5.00	mg/kg				80-120			
Alkalinity, Total	100	4.00	mg/kg	100		100	80-120			
LCS Dup (6071107-BSD1)				Prepared &	: Analyzed:	11-Jul-16				
Alkalinity, Carbonate	ND	1.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	3.23	20	
Alkalinity, Total	104	4.00	mg/kg	100		. 104	80-120	3.92	20	

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T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Reported:

LINDRITH NM, 87029

Project Number: NONE GIVEN

21-Jul-16 16:35

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level∂	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6062901 - Volatiles										
Blank (6062901-BLK1)				Prepared &	Analyzed:	29-Jun-16				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg					•		
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.3	73.6-140			
LCS (6062901-BS1)	•			Prepared &	Analyzed:	29-Jun-16				
Benzene	1.86	0.050	mg/kg	2.00		93.0	82.6-122			
Toluene	1.76	0.050	mg/kg	2.00		87.8	72.9-122			
Ethylbenzene	1.67	0.050	mg/kg	2.00		83.4	65.4-131			
Total Xylenes	5.12	0.150	mg/kg	6.00		85.3	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.9	73.6-140			
LCS Dup (6062901-BSD1)				Prepared &	Analyzed:	29-Jun-16				
Benzene	1.82	0.050	mg/kg	2.00	•	90.8	82.6-122	2.42	8.23	
Toluene	1.71	0.050	mg/kg	2.00		85.6	72.9-122	2.50	8.71	
Ethylbenzene	1.62	0.050	mg/kg	2.00		81.1	65.4-131	2.81	9.46	
Total Xylenes	4.98	0.150	mg/kg	6.00		83.0	73.8-125	2.70	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.9	73.6-140			

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All claims, including those for negligence ar including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, effiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Leboratories.

Celey & Ke



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported:

21-Jul-16 16:35

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

· ·		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Ļimiţ	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6062812 - General Prep - Organics										
Blank (6062812-BLK1)				Prepared: 2	8-Jun-16 A	nalyzed: 29	9-Jun-16			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg		•					* •
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.8		mg/kg	50.0		85.7	35-147			
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.7	28-171			
LCS (6062812-BS1)				Prepared: 2	8-Jun-16 A	nalyzed: 29	9-Jun-16			
GRO C6-C10	199	. 10.0	mg/kg	200		99.7	76.7-115			
DRO >C10-C28	205	10.0	mg/kg	200		103	78.3-122			
Total TPH C6-C28	405	10.0	mg/kg	400		101	79.8-117		•	
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.5	35-147			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.3	28-171			
LCS Dup (6962812-BSD1)			•	Prepared: 2	8-Jun-16 A	nalyzed: 29	9-Jun-16			
GRO C6-C10	197	10.0	mg/kg	200		98.4	76.7-115	1.23	9.42	
DRO >C10-C28	196	10.0	mg/kg	200		98.2	78.3-122	4.39	13.2	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	79.8-117	2.82	10.7	
Surrogate: 1-Chlorooctane	43.8		mg/kg	50.0		87.6	35-147			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.6	28-171			

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Celeg & Kune



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

%REC

Limits

RPD

Analytical Results For:

T-N-T ENVIRONMENTAL 70 OJITO ROAD

Project: QUARTERLY VADOZE

Spike

Level

Source

Result

%REC

Reported:

70 OJITO ROAD LINDRITH NM, 87029

Analyte

Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ

21-Jul-16 16:35

RPD

Limit

Notes

Fax To: (575) 774-9116

General Chemistry - Quality Control

Green Analytical Laboratories

Reporting

Limit

Result

Batch B607087 - General Prep - Wet Chem			• • • • • • • • • • • • • • • • • • •		e est Anno e	
Duplicate (B607087-DUP1)	Source: H	[601430-09	Prepared & Analyzed: 13-Jul-16			
% Dry Solids	94.8	%	94.8	0.00	20	

Units

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Reported: 21-Jul-16 16:35

Total Metals by ICP - Quality Control

Green Analytical Laboratories

 Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD∘.	RPD Limit	Notes
	dennada	Water State of the	777		7,	7,547	- Julius	777		1.500
Batch B607069 - EPA 3050					·· <u>.</u>	· <u>-</u>		· · ·	· · · · · · · ·	
Blank (B607069-BLK1)				Prepared &	Analyzed:	12-Jul-16			·	
Chromium	ND	0.050	mg/kg dry							
Arsenic	ND	0.100	mg/kg dry							
Magnesium	ND	1.00	mg/kg dry							
Sodium	ND	2.00	mg/kg dry						,	
Selenium	ND	0.200	mg/kg dry	*						
Barium	ND	0.010	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry							
Calcium	ND	1.00	mg/kg dry							
Lead	ND	0.100	mg/kg dry							
Potassium	ND	2.00	mg/kg dry							
Silver	ND	0.050	mg/kg dry							
LCS (B607069-BS1)			-	Prepared &	Analyzed:	12-Jul-16				
Sodium	6.55	2.00	mg/kg dry	6.48		101	85-115			
Selenium	8.19	0.200	mg/kg dry	8.00		102	85-115			•
Lead	1.97	0.100	mg/kg dry	2.00		98.5	85-115			
Arsenic	4.06	0.100	mg/kg dry	4.00		102	85-115			
Chromium	2.03	0.050	mg/kg dry	2.00		101	85-115			
Magnesium	19.9	1.00	mg/kg dry	20.0		99.4	85-115			
Barium	2.05	0.010	mg/kg dry	2.00		102	85-115			
Cadmium	1.97	0.050	mg/kg dry	2.00		98.7	85-115			
Silver	0.087	0.050	mg/kg dry	0.100		87.5	85-115			
Calcium	4.14	1.00	mg/kg dry	4.00		104	85-115			
Potassium	7.98	2.00	mg/kg dry	8.00		99.7	85-115			
LCS Dup (B607069-BSD1)				Prepared &	Analyzed:	12-Jul-16				
Sodium	6.59	2.00	mg/kg dry	6.48		102	85-115	0.718	20	
Silver	0.088	0.050	mg/kg dry	0.100		88.0	85-115	0.568	20	
Selenium	8.42	0.200	mg/kg dry	8.00		105	85-115	2.82	20	
Potassium	8.04	2.00	mg/kg dry	8.00	•	101	85-115	0.815	20	
Chromium	2.05	0.050	mg/kg dry	2.00		102	85-115	1.04	20	
Arsenic	4.17	0.100	mg/kg dry	4:00		104	85-115	2.70	20	
Calcium	4.16	1.00	mg/kg dry	4.00		104	85-115	0.431	20	

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T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Total Metals by ICP - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD:	RPD Limit	Notes
Batch B607069 - EPA 3050				**: **:		2.5		31 T		
LCS Dup (B607069-BSD1)				Prepared &	Analyzed:	12-Jul-16				
Cadmium	1.98	0.050	mg/kg dry	2.00	-	98.9	85-115	0.160	20	
Lead	2.00	0.100	mg/kg dry	2.00		100	85-115	1.56	20	
Barium	2.06	0.010	mg/kg dry	2.00		103	85-115	0.498	20	
Magnesium	20.1	1.00	mg/kg đry	20.0		100	85-115	0.990	20	

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Celeg to Kuna

Celey D. Keene, Lab Director/Quality Manager



T-N-T ENVIRONMENTAL

70 OJITO ROAD LINDRITH NM, 87029 Project: QUARTERLY VADOZE

Reported: 21-Jul-16 16:35

Project Number: NONE GIVEN

Project Manager: CRAIG SCHMITZ

Fax To: (575) 774-9116

Total Mercury by CVAA - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike	Source Result	%REC	%REC	RPD:	RPD Limit	Notes
Batch B607010 - EPA 245.1/7470										
Blank (B607010-BLK1)				Prepared: (07-Jul-16 Ar	nalyzed: 08	-Jul-16			
Mercury	ND	0.0002	mg/kg wet							
LCS (B607010-BS1)				Prepared: ()7-Jul-16 Ar	nalyzed: 08	-Jul-16			
Mercury	0.0020	0.0002	mg/kg wet	0.00200		98.7	85-115			
LCS Dup (B607010-BSD1)			*	Prepared:	07-Jul-16 Ar	nalyzed: 08	-Jul-16			
Mercury	0.0019	0.0002	mg/kg wet	0.00200		97.2	85-115	1.58	20	

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Celeg & Keine



Notes and Definitions

H1 Sample was received several days after collected and subsequently analyzed past hold time.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey & Kuna



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220 Fax: (970) 247-4227

service@greenanalytical.com or dzwelt@greenanalytical.com

Lab	oratories	Fax: (97	0) 247-42	227 75 S	ittle	St D	uran	go,	COE	130	3					, i							البنديات	ميسيد	
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575-393-2326

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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		70) 247-4227		T		rango											 =	= = ::			
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For Lab Use Sample Name or	Location	Date	Time	GROUNDWATER	SURFACEWATER	PRODUCEDWATER	SOIL DRINKING WATER	OTHER:		HCI	H ₂ SO ₄	Other.	T.D.H.	BTEX S	Chloride		S PCPA				
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Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell # 2 Vadoze

•	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Da
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,	Back		a large de				
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	· ND				
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BTEX 8021B]						. :
Benzene	ND	: ND	ND				
Toluene	ND	ND	ND			,	
Ethylbenzene	ND.	ND	» ND	A	8 .		\:
Total Xylenes	ND	ND	ND				ec
Total BTEX	ND	ND	ND				
				,			
Chloride	4.57	35	ND				
Metals, WQCC A & B Metals							
Arsenic	0.158	ND	ND				
Barium	136	199	88.4				
Cadmium	0.0811	ND	ND				
Chromium	20.5	24.1	3340				-
Copper							
Iron	15500				4	Y. K.	
Lead	4.92	ND	ND		viii		
Mercury	ND	ND	ND				
Selenium	1.04	ND	ND				
silver	ND	ND	ND				
Manganese		·					
Zinc	, ,						

Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell #3

						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1020
				Sample Date	Sample Date	Sample Date	Sample Date
Z.C.		11/4/2015	6/22/2016		· ·	z.,	
-	Back						
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M					·		
GRO	ND	ND	ND				
DRO	ND	ND	ND				
EXT DRO	₹	ND	ND .	j.			2
418.1							
BTEX 8021B	7	,					
DIEX 80210	·		, .				
Benzene	ND	ND	ND				
Toluene	ND	ND	ND				
Ethylbenzene	ND	ND	ND		Y.,	i:	<u> </u>
Total Xylenes	ND	ND	ND	ियु १ व ्या विकास समितिक से सिर्देशन हैं।			
Total BTEX	ND	ND	ND				
						,	
Chloride	4.57	48	ND			·	
					·-		
Metals, WQCC	}						
A & B Metals							
Arsenic	0.158	ND	ND	T			· · · · · · · · · · · · · · · · · · ·
Barium	136	185	91.8				
Cadmium	0.0811	ND	ND				
Chromium	20.5	21	14.3				
Copper	1						
Iron	15500		· · · · · · · · · · · · · · · · · · ·				
Lead	4.92	ND	ND				
Mercury	ND	ND	ND		-		
Selenium	1.04	ND	ND	` `			
silver	ND	ND	ND				
Manganese	†		· · · · · · · · · · · · · · · · · · ·				
Zinc		×	. :				

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Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell # 4 Vadoze

*							
				Sample Date	Sample Date	Sample Date	Sample Dat
		11/4/2015	6/22/2016		<u> </u>	5) 5)	M:
	Back						
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO	ND	ND	ND			٠,	
DRO	ND	ND	ND				
EXT DRO		ND ,	ND ,	a ^l			
418.1							
BTEX 8021B			v				
Benzene	ND	ND	ND				
Toluene	ND	ND	ND				
Ethylbenzene	ND.	ND	ND		X	.	
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND ND				
			,			T	
Chloride	4.57	32	ND		<u> </u>		
Metals, WQCC A & B Metals							
Arsenic	0.158	ND	ND				
Barium	136	205	97.5				
Cadmium	0.0811	ND	ND				
Chromium	20.5	25.4	17.3				
Copper							
Iron	15500		ş.	4" · ·	u i	i.	
Lead	4.92	ND	ND				
Mercury	ND	ND	ND				
Selenium	1.04	ND	ND		•		
silver	ND	ND	ND				
Manganese				٠			
Zinc	o ž tod	,	اد:	. ,	و		

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell #5

*			I .		· · · · · · · · · · · · · · · · · · ·		
·	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
		11/4/2015	6/22/2016	Sumple Date	Sample Bute	Sample Bute	Sample Date
	Back					· · · · · · · · · · · · · · · · · · ·	
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							· · · · · · · · · · · · · · · · · · ·
GRO		ND	ND		,		
DRO		ND .	ND				
EXT DRO		ND	ND				
418.1	62						
BTEX 8021B	7						,
	ND.	NO	ND	I			
Benzene	ND	ND ND	ND ND				
Toluene	ND	ND	ND ND				
Ethylbenzene Total Xylenes	ND ND	ND ND	ND ND				
Total BTEX	ND	ND ND	ND ND				
TOTAL BIEN	I ND	IND	IND	L			
Chloride	T	32	ND				
Chloride	<u> </u>	<u> </u>		<u>. </u>	,		<u> </u>
Metals, WQCC	7						
A & B Metals							
	10	ND	- NO	· · · · · · · · · · · · · · · · · · ·			
Arsenic	10 124	ND 209	ND 89.7			· · ·	
Barium Cadmium	0.5	ND	ND			· · · · · · · · · · · · · · · · · · ·	
Chromium	17	24.2	16				
Copper	1/	24.2	10				
Iron	15500						
Lead	6	ND	ND				`
Mercury	ND	ND	ND				
Selenium	ND	ND	ND				
silver	3	ND	ND				
Manganese	 				- 1		
Zinc							
	J		L	L	, <u>, </u>	<u> </u>	

Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell # 6

			<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	·	
	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Dat
•	10/17/2000	11/4/2015	6/22/2016				
	Back					·.	
ТРН	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO		ND	ND				
DRO		ND	· ND				
EXT DRO		ND	ND				
418.1	62						
BTEX 8021B		,		,			
Benzene	ND	ND	ND				
Toluene	ND	ND	ND				
Ethylbenzene	ND	ND	ND			·	
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND	ND				
		· · · · · · ·					
Chloride		32	ND				
Metals, WQCC A & B Metals							
Arsenic	7	ND	ND				
Barium	120	191	108				
Cadmium	0.5	ND .	ND			·	
Chromium	16	23.2	18.2				
Copper							
Iron							
Lead	6	ND	ND				
Mercury	ND	ND	ND				
Selenium	ND	ND	ND				
silver	ND	ND	ND			J	
Manganese		,					
Zinc						<u> </u>	

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Project:

Project LandFarm

Name: Vadoze

Cell # 7 Vadoze

Lindrith NM 87029

Project Manager: Craig Schmitz

				Sample Date	Sample Date	Sample Date	Sample Date
	12/4/2008	11/4/2015	6/22/2016	r.,	<u> </u>		*V.
	Back	**		Pag.	,		
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO		ND	ND				
DRO	ND	ND	ND				
EXT DRO		ND ,	ND ,				
418.1							

BTEX 8021B								
Benzene	ND	ND	ND	Τ	T .			
Toluene	ND	ŅD	ND					
Ethylbenzene	ND	ND.	ND.				Q.	
Total Xylenes	ND	ND	ND	-			The profession and the second and th	
Total BTEX	ND	ND	ND					
					•			
Chlorido	12.9	10	ND					

Chloride	12.8	48	ND	 	
					`

Metals, WQCC	}						
A & B Metals	1				•		
Arsenic	ND	ND	ND				
Barium	150	185	111				
Cadmium	ND	ND	ND				
Chromium	18.1	21.5	16.6				
Copper							
Iron						ř.	94. 5
Lead	4.3	ND	ND	*			
Mercury	ND	ND	ND				·
Selenium	ND	ND	ND				
silver	ND	ND	ND				
Manganese							
Zinc		ر.	7	اور د		3.	

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Lindrith NM 87029

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell #8

		144020						
	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	
		11/4/2015		Sample Date	Sample Date	Sample Date	Sample Date	
	12/4/2008 Back	1114/2013	0/22/2010	= .	F	j.	<u> </u>	
TPH	Ground	Results	Results	Results	Results	Results	Results	
8015M	Ground	Results	Results	Results	Results	Results	Nesuits	
GRO		ND	ND					
DRO	ND	ND ND	ND					
EXT DRO	ND	ND	ND					
	4	עועו.	עענ	,	- /			
418.1	<u></u>			L	<u> </u>			
	7							
BTEX 8021B	4					•		
Benzene	ND	ND -	ND		· · · · · · · · · · · · · · · · · · ·			
Toluene	ND	ND	ND					
Ethylbenzene	ND	ND	ND	ί,	.		ě,	
Total Xylenes	ND	ÑD	ND					
Total BTEX	ND	ND	ND					
Chloride	8.75	32	ND	[
Metals, WQCC A & B Metals								
Arsenic	ND	ND	ND					
Barium	144	193	92.9					
Cadmium	ND	ND	ND					
Chromium	17.4	23.5	16.9					
Copper								
Iron		*	<u>-</u>	Na.	A \	s.,	€0 €	
Lead	4.13	ND	ND					
Mercury	21.3	ND	ND					
Selenium	ND	ND	ND					
silver	ND	ND	ND					
Manganese								
Zinc	.0	لي		,				

Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell #9

				Sample Date	Sample Date	Sample Date	Sample Date
·		11/4/2015	6/22/2016	.	k. se		8 2
	Back						
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M	<u> </u>						
GRO		ND	ND	`			
DRO	ND	ND	ND				
EXT DRO	, ,	ND ,	ŊD				
418.1					·		
	, . T						
BTEX 8021B							
Benzene	ND	ND	ND				
Toluene	ND	ND	ND				
Ethylbenzene	ND	, ND	. ND:	k .	L		A
Total Xylenes	ND	ŃĎ	ND				
Total BTEX	ND	ND	ND				
Chloride	ND	32	ND				
	_						
Metals, WQCC]						
A & B Metals	3						
Arsenic	ND	ND	ND	<u> </u>			
Barium	136	198	154				· · · · · · · · · · · · · · · · · · ·
Cadmium	ND	ND	ND				
Chromium	18.2	23	212.5				
Copper					·		
Iron				F		S	\$7 2 .
	5.52	ND	ND				ı
Lead							
	20.4	ND	ND :	•			
Lead Mercury Selenium		ND ND	ND :				
Mercury Selenium	20.4						
Mercury	20.4 ND	ND	ND				

Project:

Project LandFarm Name: Vadoze

Project Manager: Craig Schmitz

Cell # 10

	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
	12/4/2008	11/4/2015	6/22/2016	E .			5. 4
	Back						
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M			·				
GRO		ND	ND				
DRO	ND	ND	ND				
EXT DRO		ND	ND				-
418.1							
	7						
BTEX 8021B	4				·		
Benzene	ND	ND	. ND				
Toluene	. ND	ND	ND				
Ethylbenzene	ND	ND ND	ND.		¥.	k.,	k:
Total Xylenes	ND	ND	ND				
Total BTEX	, ND	ND	ND				
Chloride	ND	32	ND				
	7			r			
Metals, WQCC	4						
A & B Metals	4						
Arsenic	ND	ND	ND				
Barium	134	183	140				
Cadmium	ND	ND	ND				
Chromium	17.9	22.3	18.6				,
Copper							
Iron		*					d,
Lead	4.7	ND	ND				
Mercury	20.7	ND	ND				
Selenium	ND	ND	ND				
silver	ND	ND	ND				
	1						
Manganese		÷			· '		

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Lindrith NM 87029

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell # 11

			·				<u> </u>
	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Dat
	5/27/2009	11/4/2015	6/22/2016	ie,		5	
	Back				:		
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO		ND	ND				
DRO	ND	· ND	ND				
EXT DRO		,ND	ND ,		ą		
418.1							
BTEX 8021B	7						
Benzene	ND	ND	ND]			
Toluene	ND	ND	ND				<u></u>
Ethylbenzene	ND	ND.	ND:				<u> </u>
Total Xylenes	ND	ND	ND				
Total BTEX	ND	ND ND	ND ND		· · · · · · · · · · · · · · · · · · ·		
TOTAL DIEX	1		.,,,	L			<u></u>
Chloride	ND	48	ND				
	7						
Metals, WQCC A & B Metals							
Arsenic	ND	ND	ND				
Barium	221	197	157				
Cadmium	ND	ND	ND	<u></u>			
Chromium	22.5	22.9	22.7			·	
Copper							
Iron				c-			*.
Lead	6.61	ND	ND				
Mercury	ND	ND	ND				
Selenium	ND	ND	ND				
silver	ND	ND	ND				
Manganese							
Zinc	.]				Ä	.!	

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell # 12

	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
·		11/4/2015		7.			
· · · · · · · · · · · · · · · · · · ·	Back	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	. :				
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO		ND	ND				
DRO	ND	ND	ND				_
EXT DRO		ND ,	ND		4		
418.1							
BTEX 8021B	1						
Benzene	ND	ND	ND				<u> </u>
Toluene	ND	ND	ND				· <u>· · · · · · · · · · · · · · · · · · </u>
Ethylbenzene	ND.	ND	ND		.	<u>.</u>	k
Total Xylenes	ND	ND	ND			· · · · · · · · · · · · · · · · · · ·	
Total BTEX	ND	ND	ND				
	· 	<u> </u>	····	· ·			
Chloride	ND	32	ND				
Metals, WQCC A & B Metals)				
Arsenic	ND	ND	ND	<u> </u>	·	<u> </u>	
Barium	202	198	165				
Cadmium	ND	ND	ND			L	<u>.</u>
Chromium	20.5	22.9	23		<u></u>		
Copper					<u></u>	<u></u>	
Iron				<u> </u>		î.	
Lead	5.81	ND	10.5		· ·		
Mercury	ND	ND	ND		·	·	
Selenium	ND	ND	ND				
silver	ND	ND	ND				
Manganese							
Zinc	1	,			. 1	1	
calcium magnesium		•			. •	·	

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell # 13

	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Dat
		11/4/2015		Sample Bate	Sample Date	Sample Bate	Sample But
	#/13/2010 Back	11/4/2013	0722/2010	<u> </u>	<u> </u>	* i	A1
TPH	Ground	Results	Results	Results	Results	Results	Results
8015M	Ground	Results	Results	Results	Results	Nesuits	Nesuits
GRO	_}	ND	ND				
			ND				
DRO EXT DRO		ND	ND ND		<u> </u>		
	4	ND ,	עאו				·
418.1	ND						
BTEX 8021B	7						
Benzene	ND	ND	ND				
Toluene	ND	ND	ND				
Ethylbenzene	ND	ND	ND	.	.	.	i,
Total Xylenes	ND	ND	ND		<u> </u>		
Total BTEX	ND	ND	ND		,		
							l
Chloride	ND	48	ND				<u> </u>
Metals, WQCC A & B Metals	7						
Arsenic		ND	ND				
Barium		205	154				<u></u> _
Cadmium		ND	ND				
Chromium		26.3	20.3				
Copper							
Iron					7.		
Iron Lead		ND	ND		7. 7		
Lead		ND ND	ND ND		7.		
Lead Mercury							
Lead Mercury Selenium		ND	ND				
Lead Mercury Selenium silver		ND ND	ND ND				
Lead Mercury Selenium silver Manganese Zinc	3	ND ND	ND ND ND				
Lead Mercury Selenium silver Manganese Zinc calcium		ND ND	ND ND				
Mercury Selenium silver Manganese Zinc	<i>y</i> .	ND ND	ND ND ND	•			
Lead Mercury Selenium silver Manganese Zinc calcium		ND ND	ND ND ND	•			

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Lindrith NM 87029

Project:

Project LandFarm

Name: Vadoze

Project Manager: Craig Schmitz

Cell # 14

•	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
	4/19/2010						ây.
	Back						
ТРН	Ground	Results	Results	Results	Results	Results	Results
8015M							
GRO							
DRO							
EXT DRO					/	3	
418.1	ND	T pen					•
				<u> </u>			
BTEX 8021B] `				,		
Benzene	ND	ŧ					
Toluene	ND						
Ethylbenzene	ND	<u>.</u> .			l,		\
Total Xylenes	ND		 		· .		
Total BTEX	ND				-		
Chloride	ND						
Metals, WQCC A & B Metals Arsenic						<u> </u>	
Barium	 		<u> </u>				
Cadmium							
Chromium							
Copper	+						
Iron			· · · · · · · · · · · · · · · · · · ·	0.5	9. 9.	4	\ \ >
Lead							- ,
Mercury	1						
Selenium							
silver							
Manganese							
Zinc	1			1			