

NM1 - 8

MONITORING REPORT

YEAR(S):

2011 - 2015

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



July 2, 2015

Craig Schmitz
T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrieth, New Mexico 87029

**RE: 2014 Treatment and Zone Monitoring Report Review
T-n-T Environmental, Inc.
Permit NM1-008 (Evaporation Ponds and Landfarm)
Location: SE/4 of Section 7 and SW/4 of Section 8 (evaporation ponds) and the
SW/4 SE/4 and SE/4 NW/4 of Section 5 and NE/4 NW/4 of 8 (landfarm), Township
25 North, Range 3 West, NMPM, Rio Arriba County, New Mexico**

Dear Mr. Schmitz:

The Oil Conservation Division (OCD) has completed the review of T-n-T Environmental, Inc.'s (T-n-T) monitoring reports, one with a cover letter dated June 17, 2014 which includes vadose zone results from a sample event that occurred May 17, 2015 and facility background data and a second report that includes treatment zone results from a May 19, 2014 sampling event and the resubmittal of the vadose zone results from the May 17, 2015 event. The review of the 2014 monitoring data has resulted in the discovery of some issues that must be addressed in order for T-n-T to remain compliant with Permit NM1-008 and Part 36.

The first report, with a cover letter dated June 17, 2014, states "The 711 permit requires 1 vadose zone report per year, the part 36 has it every 5 years so we don't know which one to do or is it both?" Since there was not a clear lead in to this sentence, OCD can only assume that the sentence is discussing the annual vadose zone sampling event required by permit and the 5 year vadose zone monitoring requirement of Paragraph (3) of 19.15.36.15.E NMAC. OCD clarified this issue in a letter dated June 30, 2011 and titled "*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms.*" The letter states that the 5 year vadose zone monitoring requirement of Paragraph (3) of 19.15.36.15.E NMAC must be completed in addition to the sampling required by the permit. Please review OCD's letter dated June 30, 2011 titled "*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*" for expectation of compliance. The chain of custody provided with the vadose zone results from the May 17, 2015 sampling event demonstrate that the sampling event was performed in compliance to Permit NM1-008. The chain of custody requested analysis for TPH (418.1), BTEX (8021B), Chlorides (SM 4500), cations and anions, and 8 RCRA metals and only one sample was obtained from each landfarm cell. Pursuant to Paragraph (3) of 19.15.36.15.E NMAC, "Five year

monitoring program. The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.” As underlined in the above reference of Paragraph (3) of 19.15.36.15.E NMAC, the “methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC” are those identified in Subsection F of 19.15.36.15 NMAC: such as “determined by EPA SW-846 methods 6010B or 6020 or other EPA method approved by the division...” Please perform the five year vadose zone monitoring program demonstration on all of the active landfarm cells and submit the sampling results and comparison to background and/or PQLs demonstrating compliance of Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020.

The submittal of vadose zone monitoring results does not constitute a demonstration of compliance to the vadose zone monitoring assessment requirements. Pursuant to 19.15.36.15.E NMAC, the operator is required to compare the vadose results “to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.” The cover letter of the first report did not discuss the laboratory results from the May 19, 2014 vadose zone sampling event or the comparison to the supplied facility background data to determine whether a release has occurred. The vadose zone assessment was not completed. OCD’s letter dated April 10, 2014 and titled “*December 2013 Treatment and Vadose Zone Monitoring Report Review*” identified OCD’s expectation of compliance to the vadose zone comparison assessment to background for determination of a release and the submittal of an updated facility sampling location map for each sampling event, which were not provided.

OCD’s review of the vadose zone laboratory data resulted in the discovery TPH by EPA Method 418.1 was performed with a reporting limit of 100 mg/kg. A typical reporting limit for EPA Method 418.1 is 20 mg/kg. Please ensure that the laboratories are using appropriate and reasonable reporting limits and do not exceed background. Also, OCD is willing to accept an equivalent method to EPA Method 418.1 that is capable of demonstrating a carbon range from C₆ to C₃₆ (e.g. Method 8015 for GRO/DRO/MRO or ORO).

The cover letter of the first report did not explain the submittal of the background data or how it would be used. The 1996 background data for Cells 1, 2, and 3 only provides results for DRO and BTEX, QA/QC, and the chain of custody were not included. The 1997 background data for Cell 4 provided results for major cations and anions and the RCRA 8 metals (no TPH or BTEX), the chain of custody were not included. The December 2008 data submitted for Cell 5 is identified as “the first vadose results.” If this is true, then Cell 5 was activated after Cell 6 in which background was established 1.5 years earlier in May 2007. After February 14, 2007 (the effective date of Part 36) and in accordance with Subsection B of 19.15.36.20 NMAC, “Major modification of an existing surface waste management facility and a new landfarm cells constructed at an existing surface waste management facility shall comply with the requirements provided in 19.15.36 NMAC.” Pursuant to Subsection B of 19.15.36.15 NMAC, “Background testing. Prior to beginning operation of a new landfarm or to opening a new cell at an existing landfarm at which the operator has not already established background, the operator shall take, at a minimum, 12 composite background soil samples, with each consisting of 16 discrete samples

from areas that previous operations have not impacted at least six inches below the original ground surface, to establish background soil concentrations for the entire surface waste management facility. The operator shall analyze the background soil samples for TPH, as determined by EPA method 418.1 or other EPA method approved by the division; BTEX, as determined by EPA SW-846 method 8021B or 8260B; chlorides; and other constituents listed in Subsections A and B of 20.6.2.3103 NMAC, using approved EPA methods.” The background data submitted for Cells 5 through 14 were not performed as required under Part 36. OCD is unsure if it can accept the data submitted for Cell 5, especially if it was activated before Cell 6. The May 2007 background data for Cell 6 provided results for GRO, DRO, BTEX, and major cations and anions, the QA/QC and the chain of custody were not included. Chloride was detected at 419 mg/kg in Cell 6, when reported as background in Cell 4 and Cells 7 through 14 to be less than 16 mg/kg. The December 2008 background data for Cells 7-10 provided results for DRO, BTEX, major cations and anions, and the RCRA 8 metals, the QA/QC and the chain of custody were not included. The June 2009 background data for Cells 11 and 12 provided results for DRO, BTEX, major cations and anions, and the RCRA 8 metals, the QA/QC and the chain of custody were not included. The April 2010 background data for Cells 13 and 14 provided 12 sample results for GRO, DRO, BTEX, and chlorides for each landfarm cell, the QA/QC and the chain of custody were not included. Currently, T-n-T does not have the complete background data to perform the vadose zone assessments (quarterly, annual, and 5-year) and remain in compliance with Part 36 and Permit NM1-008. Part 36 specifies EPA Method 418.1 as the required vadose zone analyses for TPH. OCD is willing to accept an equivalent method to EPA Method 418.1 that is capable of demonstrating a carbon range from C₆ to C₃₆ (e.g. Method 8015 for GRO/DRO/MRO or ORO). To remain compliant to Part 36 and the existing permit, background needs to be established and the vadose zone assessment comparison demonstrated to OCD. Please submit a background sampling plan to OCD under a separate cover, for OCD’s consideration of approval to update the existing background data set or to establish a facility background/PQL data set and complete the vadose zone assessments.

OCD performed a preliminary assessment of Cell 4 in comparing the sampling results of May 17, 2014 to the 1997 background data. The comparison demonstrated exceedances for barium at 120 mg/kg (1997 background of 2.52 mg/L), calcium at 3770 mg/kg (1997 background of 39.3 mg/L), chromium at 18.1 mg/kg (1997 background of <0.01 mg/L), magnesium at 4380 mg/kg (1997 background of 8.27 mg/L), and potassium at 2140 mg/kg (1997 background of 2.61 mg/L). Other constituents such as chloride, sulfate, arsenic, cadmium, lead, selenium, silver, sodium, and mercury were analyzed at reporting limits greater than established background or nominal detection limit and are not valid for the demonstration.

The second report, which includes treatment zone results from a May 19, 2014 sampling event, demonstrated chloride in the treatment zone of Cell 7 at 1280 mg/kg. Based upon OCD’s review of the administrative file (OCD Online), ground water has been reported at a depth of approximately 150 feet below the ground surface. Pursuant to the landfarm waste acceptance criteria of Subsection A of 19.15.36.15 NMAC, “Soils and drill cuttings placed in a landfarm shall be sufficiently free of liquid content to pass the paint filter test, and shall not have a chloride concentration exceeding 500 mg/kg if the landfarm is located where ground water is less than 100 feet but at least 50 feet below the lowest elevation at which the operator will place oil field waste or exceeding 1000 mg/kg if the landfarm is located where ground water is 100 feet or

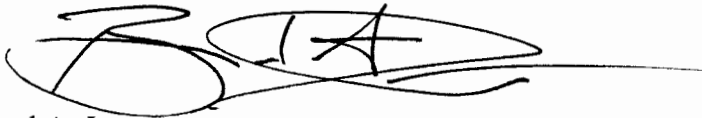
more below the lowest elevation at which the operator will place oil field waste." A letter provided with this submittal states "The chloride is a little high in Cell 7 so we are in the process of identifying the areas that is high. We will keep you informed with the progress." OCD has not received any follow up information regarding this issue nor has OCD received a plan to isolate and remove soils from the treatment zone that exceed the waste acceptance criteria and the closure standard for chlorides. Please provide OCD follow up information regarding the high chloride soil in the treatment zone and a plan to isolate and remove soils from the treatment zone that exceed the waste acceptance criteria and the closure standard for chlorides. T-n-T's monitoring report summary sheet, stapled to the front of the second report, identifies the vadose zone results as a "Quarterly Vadose Zone Monitoring" event and provides 3 submittal due dates (instead of 4) for 4 quarterly sampling events. Please update the monitoring report summary sheet to reflect 4 quarterly sampling events. Please review the chain of custody of the May 17, 2014 sampling event. It confirms that major cations and anions and RCRA metals were requested along with TPH (by 418.1), BTEX, and chlorides. This was an annual sampling event, but it was not identified as such. The monitoring report summary sheet also documented the inspection of the ponds. Pond 1 was reported to have water detected in the leak detection system. It states "Last part of winter had water, water is below hole now. Scheduled for repair." Pursuant to Condition 15, under the heading *FACILITY AND EVAPORATION POND OPERATION* of Permit NM1-008, "The leak detection sump at Pond One (1) and Pond Three (3) must be inspected weekly; results must be recorded and maintained for OCD review. If fluid is present in the leak detection system the fluids in the pond and leak detection system must be analyzed for total dissolved solids (TDS). Upon discovery, all fluids must be removed from the leak detection system and the system must be kept free of fluids. If the pond and leak detection fluids are similar the OCD Santa Fe and appropriate District offices must be notified within 48 hours. Within 72 hours of discovery, the permittee must submit a plan to the OCD Santa Fe and appropriate District offices for review and approval that describes what procedures will be taken to investigate and repair the leak." OCD has not received the required plan to investigate and repair the leak since the June 2014 submittal. Please submit the required plan that describes what procedures will be taken to investigate and repair the leak in the pond for OCD's consideration of approval and to demonstrate compliance to the conditions of Permit NM1-008. OCD has also not received any additional semi-annual treatment zone monitoring results or quarterly vadose zone monitoring results for 2014. Please provide OCD the missing semi-annual treatment zone monitoring results and quarterly vadose zone monitoring results for 2014.

Please perform the five year vadose zone monitoring program demonstration on all of the active landfarm cells and submit the sampling results and comparison to background and/or PQLs demonstrating compliance of Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020 within 60 days of the date of this letter. Please submit all future vadose zone (native soils) sampling results demonstrating TPH by EPA Method 418.1 or an equivalent method capable of demonstrating a carbon range from C₆ to C₃₆. Please ensure that the laboratory's reporting limit does not exceed the established background and/or PQLs for all future vadose zone sampling events. Please identify the depth in which sample are obtained on the laboratory chain of custody for all future vadose zone sampling events. Please submit a background sampling plan in accordance with Subsection B of 19.15.36.15 NMAC to OCD under a separate cover, for OCD's consideration of approval to update the existing background data set within 30 days of the date of this letter. If statistics are proposed in the demonstration,

please provide references from EPA statistical guidance documents to support proposed statistical methods. Please provide OCD follow up information regarding the high chloride soil in the treatment zone and a plan to isolate and remove soils from the treatment zone that exceed the waste acceptance criteria and the closure standard for chlorides within 30 days of the date of this letter. Please submit the required plan that describes what procedures will be taken to investigate and repair the leak in the pond for OCD's consideration of approval and to demonstrate compliance to the conditions of Permit NM1-008 within 30 days of the date of this letter. Also, please submit to OCD the missing semi-annual treatment zone monitoring results and the other 3 quarterly vadose zone monitoring results for 2014 within 30 days of the date of this letter.

OCD has implemented some new policies for submittal. For future submittals, please include a cover letter from the owner/operator, on the owner's/operator's company letterhead, that recognizes the owner/operator has reviewed the submittal, signed by the owner/operator. Also, please provide an updated facility map, for each individual sampling event, that identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'BAJ', with a long horizontal line extending to the right.

Brad A. Jones
Environmental Engineer

BAJ/baj

Cc: OCD District III Office, Aztec

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

100 JUN 20 10 2 54

OCD Annual and Quarterly Report

Due Date 5-31-14

Date Sent 6-17-14

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, for TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☐ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells _____, for Major Cations and Anions and 8 RCRA metals. Due November 30th.

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1
Due May 31st

☒ Water Detected, last part of winter had water, water is below hole now. Scheduled to repair
☐ No Water Detected

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3
Due May 31st

☐ Water Detected, _____
☒ No Water Detected

☒ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2
Due May 31st

☐ Water Detected, _____
☒ No Water Detected

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

June 9, 2014

Attn: Brad Jones

OCD
1220 South St. Francis Drive
Santa Fe, N M 87505

RE:Chloride Testing

The chloride is a little high in Cell # 7 so we are in the process of identifying the areas that is high. We will keep you informed with the progress.

Sincerely,

Craig Schmitz
Tony Schmitz

May 30, 2014

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM TREATMENT

Enclosed are the results of analyses for samples received by the laboratory on 05/22/14 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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_accred_certif.html.

Cardinal Laboratories is accredited 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)

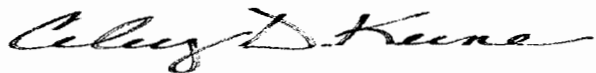
Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

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.

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

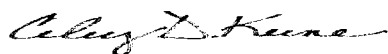
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM TREATMENT
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
30-May-14 16:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL #1	H401567-01	Soil	19-May-14 08:00	22-May-14 10:30
CELL #2	H401567-02	Soil	19-May-14 08:15	22-May-14 10:30
CELL #3	H401567-03	Soil	19-May-14 08:30	22-May-14 10:30
CELL #4	H401567-04	Soil	19-May-14 08:45	22-May-14 10:30
CELL #5	H401567-05	Soil	19-May-14 09:00	22-May-14 10:30
CELL #6	H401567-06	Soil	19-May-14 09:15	22-May-14 10:30
CELL #7	H401567-07	Soil	20-May-14 08:00	22-May-14 10:30
CELL #8	H401567-08	Soil	20-May-14 08:15	22-May-14 10:30
CELL #9	H401567-09	Soil	20-May-14 08:45	22-May-14 10:30
CELL #10	H401567-10	Soil	20-May-14 09:00	22-May-14 10:30
CELL #11	H401567-11	Soil	20-May-14 09:15	22-May-14 10:30
CELL #12	H401567-12	Soil	20-May-14 09:30	22-May-14 10:30
CELL #13	H401567-13	Soil	20-May-14 09:45	22-May-14 10:30

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

CELL #1
H401567-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	320		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Organic Compounds

TPH 418.1	3550		100	mg/kg	10	4053002	CK	30-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052302	MS	27-May-14	8021B	
Toluene*	0.206		0.050	mg/kg	50	4052302	MS	27-May-14	8021B	
Ethylbenzene*	0.096		0.050	mg/kg	50	4052302	MS	27-May-14	8021B	
Total Xylenes*	0.442		0.150	mg/kg	50	4052302	MS	27-May-14	8021B	
Total BTEX	0.743		0.300	mg/kg	50	4052302	MS	27-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	89.4-126		4052302	MS	27-May-14	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	1680		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	

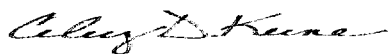
Surrogate: 1-Chlorooctane			104 %	65.2-140		4052306	MS	26-May-14	8015B	
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Surrogate: 1-Chlorooctadecane			133 %	63.6-154		4052306	MS	26-May-14	8015B	
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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #2
H401567-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	400		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B
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Organic Compounds

TPH 418.1	3580		100	mg/kg	10	4053002	CK	30-May-14	418.1
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Toluene*	0.050		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Total Xylenes*	0.201		0.150	mg/kg	50	4052303	MS	27-May-14	8021B
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		105 %	89.4-126		4052303	MS	27-May-14	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B
DRO >C10-C28	273		10.0	mg/kg	1	4052306	MS	26-May-14	8015B

<i>Surrogate: 1-Chlorooctane</i>		103 %	65.2-140		4052306	MS	26-May-14	8015B
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<i>Surrogate: 1-Chlorooctadecane</i>		115 %	63.6-154		4052306	MS	26-May-14	8015B
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Cardinal Laboratories

*=Accredited Analyte

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 whatsoever 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 liable for incidental or consequential damages, 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 performance of the services hereunder by Cardinal, regardless of whether such 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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #3
H401567-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	912		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B
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Organic Compounds

TPH 418.1	7120		100	mg/kg	10	4053002	CK	30-May-14	418.1
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Toluene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	27-May-14	8021B
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		103 %	89.4-126			4052303	MS	27-May-14	8021B
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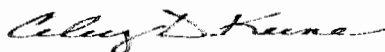
Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B
DRO >C10-C28	2320		10.0	mg/kg	1	4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctane</i>		109 %	65.2-140			4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctadecane</i>		161 %	63.6-154			4052306	MS	26-May-14	8015B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

CELL #4
H401567-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	528		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	27-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	89.4-126		4052303	MS	27-May-14	8021B	

Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	2440		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctane</i>			116 %	65.2-140		4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			172 %	63.6-154		4052306	MS	26-May-14	8015B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

CELL #5
H401567-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	224	16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Toluene*	ND	0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Total Xylenes*	ND	0.150	mg/kg	50	4052303	MS	27-May-14	8021B
Total BTEX	ND	0.300	mg/kg	50	4052303	MS	27-May-14	8021B
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		103 %	89.4-126		4052303	MS	27-May-14	8021B

Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND	10.0	mg/kg	1	4052306	MS	26-May-14	8015B
DRO >C10-C28	4830	10.0	mg/kg	1	4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctane</i>		118 %	65.2-140		4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctadecane</i>		234 %	63.6-154		4052306	MS	26-May-14	8015B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

CELL #6
H401567-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	512		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B
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Organic Compounds

TPH 418.1	7860		100	mg/kg	10	4053002	CK	30-May-14	418.1
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Toluene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	27-May-14	8021B
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		103 %	89.4-126			4052303	MS	27-May-14	8021B
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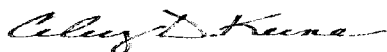
Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B
DRO >C10-C28	2470		10.0	mg/kg	1	4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctane</i>		116 %	65.2-140			4052306	MS	26-May-14	8015B
<i>Surrogate: 1-Chlorooctadecane</i>		166 %	63.6-154			4052306	MS	26-May-14	8015B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #7
H401567-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	1280		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Organic Compounds

TPH 418.1	10900		100	mg/kg	10	4053002	CK	30-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	27-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	89.4-126		4052303	MS	27-May-14	8021B	

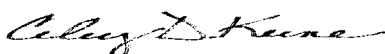
Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	3660		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctane</i>			118 %	65.2-140		4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			203 %	63.6-154		4052306	MS	26-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #8
H401567-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	864		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Toluene*	0.050		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	27-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	27-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	27-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4052303	MS	27-May-14	8021B	

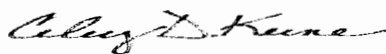
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	3790		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
Surrogate: 1-Chlorooctane			114 %	65.2-140		4052306	MS	26-May-14	8015B	
Surrogate: 1-Chlorooctadecane			141 %	63.6-154		4052306	MS	26-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #9 H401567-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	528		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	0.089		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	89.4-126		4052303	MS	28-May-14	8021B	

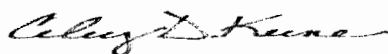
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	687		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
Surrogate: 1-Chlorooctane			117 %	65.2-140		4052306	MS	26-May-14	8015B	
Surrogate: 1-Chlorooctadecane			124 %	63.6-154		4052306	MS	26-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #10
H401567-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	89.4-126		4052303	MS	28-May-14	8021B	

Petroleum Hydrocarbons by GC FID
S-04

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	4400		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctane</i>			116 %	65.2-140		4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			226 %	63.6-154		4052306	MS	26-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #11
H401567-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	240		16.0	mg/kg	4	4052703	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	89.4-126		4052303	MS	28-May-14	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
DRO >C10-C28	179		10.0	mg/kg	1	4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctane</i>			121 %	65.2-140		4052306	MS	26-May-14	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			119 %	63.6-154		4052306	MS	26-May-14	8015B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #12 H401567-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	0.100		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	0.227		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	0.327		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4052303	MS	28-May-14	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052701	MS	27-May-14	8015B	
DRO >C10-C28	469		10.0	mg/kg	1	4052701	MS	27-May-14	8015B	
Surrogate: 1-Chlorooctane			116 %	65.2-140		4052701	MS	27-May-14	8015B	
Surrogate: 1-Chlorooctadecane			120 %	63.6-154		4052701	MS	27-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

CELL #13
H401567-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	0.086		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	0.216		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	0.302		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	89.4-126		4052303	MS	28-May-14	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4052701	MS	27-May-14	8015B	
DRO >C10-C28	130		10.0	mg/kg	1	4052701	MS	27-May-14	8015B	
<i>Surrogate: 1-Chlorooctane</i>			116 %	65.2-140		4052701	MS	27-May-14	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			113 %	63.6-154		4052701	MS	27-May-14	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052703 - 1:4 DI Water
Blank (4052703-BLK1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride ND 16.0 mg/kg

LCS (4052703-BS1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 416 16.0 mg/kg 400 104 80-120

LCS Dup (4052703-BSD1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 400 16.0 mg/kg 400 100 80-120 3.92 20

Batch 4052704 - 1:4 DI Water
Blank (4052704-BLK1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride ND 16.0 mg/kg

LCS (4052704-BS1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 416 16.0 mg/kg 400 104 80-120

LCS Dup (4052704-BSD1)


Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 416 16.0 mg/kg 400 104 80-120 0.00 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4053002 - Solvent Extraction
Blank (4053002-BLK1)

Prepared & Analyzed: 30-May-14

TPH 418.1 ND 100 mg/kg

LCS (4053002-BS1)

Prepared & Analyzed: 30-May-14

TPH 418.1 5960 100 mg/kg 5000 119 80-120

LCS Dup (4053002-BSD1)

Prepared & Analyzed: 30-May-14

TPH 418.1 5930 100 mg/kg 5000 119 80-120 0.522 20

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

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
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Batch 4052302 - Volatiles
Blank (4052302-BLK1)

Prepared: 23-May-14 Analyzed: 27-May-14

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)	0.0513		mg/kg	0.0500		103	89.4-126			

LCS (4052302-BS1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.25	0.050	mg/kg	2.00		113	76.4-135			
Toluene	2.23	0.050	mg/kg	2.00		111	80.2-135			
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	78.5-133			
Total Xylenes	6.72	0.150	mg/kg	6.00		112	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	89.4-126			

LCS Dup (4052302-BSD1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.25	0.050	mg/kg	2.00		113	76.4-135	0.180	16.4	
Toluene	2.22	0.050	mg/kg	2.00		111	80.2-135	0.350	16.6	
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	78.5-133	1.12	16.1	
Total Xylenes	6.58	0.150	mg/kg	6.00		110	80.1-135	2.04	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	89.4-126			

Batch 4052303 - Volatiles
Blank (4052303-BLK1)

Prepared: 23-May-14 Analyzed: 27-May-14

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)	0.0514		mg/kg	0.0500		103	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 30-May-14 16:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052303 - Volatiles
LCS (4052303-BS1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.14	0.050	mg/kg	2.00		107	76.4-135		
Toluene	2.14	0.050	mg/kg	2.00		107	80.2-135		
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	78.5-133		
Total Xylenes	6.44	0.150	mg/kg	6.00		107	80.1-135		
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	89.4-126		

LCS Dup (4052303-BSD1)

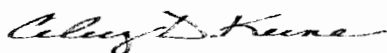
Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.01	0.050	mg/kg	2.00		100	76.4-135	6.57	16.4
Toluene	1.99	0.050	mg/kg	2.00		99.7	80.2-135	6.91	16.6
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.0	78.5-133	7.74	16.1
Total Xylenes	5.96	0.150	mg/kg	6.00		99.4	80.1-135	7.68	15.8
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	89.4-126		

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Analytical Results For:

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

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

Reported:
30-May-14 16:37

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052306 - General Prep - Organics

Blank (4052306-BLK1)

Prepared: 23-May-14 Analyzed: 26-May-14

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	51.7		mg/kg	50.0		103	65.2-140			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	63.6-154			

LCS (4052306-BS1)

Prepared: 23-May-14 Analyzed: 26-May-14

GRO C6-C10	199	10.0	mg/kg	200		99.7	66.4-124			
DRO >C10-C28	210	10.0	mg/kg	200		105	61.6-132			
Total TPH C6-C28	409	10.0	mg/kg	400		102	69.7-122			
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	65.2-140			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	63.6-154			

LCS Dup (4052306-BSD1)

Prepared: 23-May-14 Analyzed: 26-May-14

GRO C6-C10	247	10.0	mg/kg	200		124	66.4-124	21.5	23.4	
DRO >C10-C28	257	10.0	mg/kg	200		128	61.6-132	20.0	23.1	
Total TPH C6-C28	504	10.0	mg/kg	400		126	69.7-122	20.7	20.6	
Surrogate: 1-Chlorooctane	68.4		mg/kg	50.0		137	65.2-140			
Surrogate: 1-Chlorooctadecane	63.2		mg/kg	50.0		126	63.6-154			

Batch 4052701 - General Prep - Organics

Blank (4052701-BLK1)

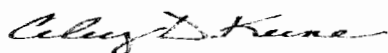
Prepared & Analyzed: 27-May-14

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	61.9		mg/kg	50.0		124	65.2-140			
Surrogate: 1-Chlorooctadecane	59.9		mg/kg	50.0		120	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
30-May-14 16:37

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052701 - General Prep - Organics

LCS (4052701-BS1)

Prepared & Analyzed: 27-May-14

GRO C6-C10	199	10.0	mg/kg	200		99.5	66.4-124			
DRO >C10-C28	213	10.0	mg/kg	200		107	61.6-132			
Total TPH C6-C28	412	10.0	mg/kg	400		103	69.7-122			
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	65.2-140			
Surrogate: 1-Chlorooctadecane	61.6		mg/kg	50.0		123	63.6-154			

LCS Dup (4052701-BSD1)


Prepared & Analyzed: 27-May-14

GRO C6-C10	201	10.0	mg/kg	200		101	66.4-124	1.11	23.4	
DRO >C10-C28	213	10.0	mg/kg	200		107	61.6-132	0.0136	23.1	
Total TPH C6-C28	414	10.0	mg/kg	400		104	69.7-122	0.542	20.6	
Surrogate: 1-Chlorooctane	60.9		mg/kg	50.0		122	65.2-140			
Surrogate: 1-Chlorooctadecane	61.5		mg/kg	50.0		123	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager


Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: ENVIRONMENTAL INC NOTES:

Contact: CRAIG SCHMITZ 1) Ensure proper container packaging.

Address: 70 CR 405 2) Ship samples promptly following collection.

WILKINSON, ST 229 3) Designate Sample Reject Disposition.

Phone Number: 505-320-2130 PO#

Email: Schmitz@envinc.com Project Name: LANDFARM TRIATHLON Analyst's Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Collection		Miscellaneous				Preservative(s)				Comments				
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4		NaOH	Other (Specify)		
H401507															
Cell #1	5/19/14	8:00	TL	3	1	N	✓						✓	TPH 8015M	
#2	5/19/14	8:15	TL	3	1	N	✓						✓	✓	TPH 418.1
#3	5/19/14	8:30	TL	3	1	N	✓						✓	✓	3TEX 8021B
#4	5/19/14	8:45	TL	3	1	N	✓						✓	✓	CKRIDE 3m4500CI-1
#5	5/19/14	9:00	TL	3	1	N	✓						✓	✓	
#6	5/19/14	9:15	TL	3	1	N	✓						✓	✓	

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

3.62 #54



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: T-M-T

Contact: Vercy

Address: ~~4444~~ 700 1245

City: ~~San Diego~~ San Diego

Phone Number: 320-2130

Email: Schmidt@tmt.com

Project Name: Lead from Treatment Plant

Suppliers Signature: *[Signature]*

NOTES

1) Ensure proper container packaging.

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

PO#

Table 1 - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil Sediment, 4 = Prod. W., 5 = Oil
6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

Lab Name: Green Analytical Laboratories

(970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

www.greenanalytical.com

Analyses Required

Sample ID

Collection

Miscellaneous

Preservative(s)

Comments

Sample ID

Date

Time

H401567

5-20-14 8:00

Collected by: (Init.)

Matrix Type
From Table 1

No. of Containers

Sample Filtered? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NaOH

Other (Specify)

TPH 8015 m

TPH 418.1

BTEX 8021B

Chloride 5m4500

Comments

4.30
Cork stopper

1 Treatment #7

8:15

G.S

3

1

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June 11, 2014

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM VADOSE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/14 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 accredited 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.

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

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VADOZE #1	H401568-01	Soil	17-May-14 08:00	22-May-14 10:30
VADOZE #2	H401568-02	Soil	17-May-14 08:30	22-May-14 10:30
VADOZE #3	H401568-03	Soil	17-May-14 09:00	22-May-14 10:30
VADOZE #4	H401568-04	Soil	17-May-14 09:30	22-May-14 10:30
VADOZE #5	H401568-05	Soil	17-May-14 10:00	22-May-14 10:30
VADOZE #6	H401568-06	Soil	17-May-14 10:30	22-May-14 10:30
VADOZE #7	H401568-07	Soil	17-May-14 11:00	22-May-14 10:30
VADOZE #8	H401568-08	Soil	17-May-14 11:30	22-May-14 10:30
VADOZE #9	H401568-09	Soil	17-May-14 12:00	22-May-14 10:30
VADOZE #10	H401568-10	Soil	17-May-14 12:30	22-May-14 10:30
VADOZE #11	H401568-11	Soil	17-May-14 13:00	22-May-14 10:30
VADOZE #12	H401568-12	Soil	17-May-14 13:30	22-May-14 10:30
VADOZE #13	H401568-13	Soil	17-May-14 14:00	22-May-14 10:30

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #1 H401568-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	293		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	215		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.41		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		100	mg/kg	10	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	240		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.9		%	1	B405245	LLG	29-May-14	EPA160.3	H11	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	126		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3980		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #1**
H401568-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Chromium	19.2	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4520	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2150	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B

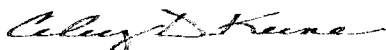
Total Mercury by CVAA

Mercury	ND	0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #2 H401568-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	312		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	355		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.21		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	256		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.5		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	126		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	4020		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.3		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #2
H401568-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4440		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2020		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.100	mg/kg dry	485	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #3 H401568-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	273		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	256		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.22		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	224		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.5		%	1	B405245	LLG	29-May-14	EPA160.3	HI	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	127		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	4080		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.5		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #3
H401568-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2150		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.0995	mg/kg dry	480	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #4 H401568-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	293		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	309		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.11		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	240		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.4		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	120		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3770		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.1		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #4
H401568-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4380		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2140		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	


Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #5 H401568-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	351		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	276		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.30		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.0		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	122		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3850		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #5
H401568-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4520		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2290		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	495	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #6 H401568-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	312		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	261		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.20		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	256		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	89.4-126		4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.0		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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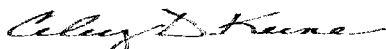
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	124		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3830		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.8		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #6
H401568-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2340		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	500	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #7 H401568-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	371		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	295		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.28		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	304		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.0		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	128		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3880		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.5		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #7
H401568-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4550		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2330		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #8 H401568-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	332		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	322		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.26		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	272		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.7		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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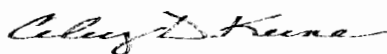
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	116		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3510		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.0		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #8
H401568-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4180		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2140		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #9 H401568-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	547		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	367		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.39		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	448		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052805	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052805	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126 4052805 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.2		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	108		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3380		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	17.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #9**
H401568-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4000		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	1940		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	505	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #10 H401568-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	277		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.44		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	89.4-126		4052902	MS	29-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.4		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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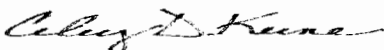
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	119		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3990		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.7		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #10**
H401568-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4340	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2150	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B


Total Mercury by CVAA

Mercury	ND	0.0986	mg/kg dry	475	B406051	JGS	05-Jun-14	EPA7471
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #11 H401568-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	240		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.59		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126 4052902 MS 29-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.8		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	11.6		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	117		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #11
H401568-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4180		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2060		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	


Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	495	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #12 H401568-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	527		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	332		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.35		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	432		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	89.4-126		4052902	MS	29-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.4		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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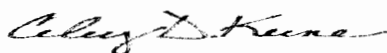
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	112		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3360		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.0		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #12**
H401568-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4070		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2070		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.0985	mg/kg dry	480	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #13 H401568-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	449		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	381		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.34		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	368		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 137 % 89.4-126 4052902 MS 29-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.7		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	113		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3520		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.3		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #13
H401568-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4210		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2180		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.100	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052704 - 1:4 DI Water

Blank (4052704-BLK1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride	ND	16.0	mg/kg							
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LCS (4052704-BS1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4052704-BSD1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Batch 4053009 - NO PREP

LCS (4053009-BS1)

Prepared & Analyzed: 30-May-14

pH	7.09		pH Units	7.00		101	90-110			
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Duplicate (4053009-DUP1)

Source: H401556-01

Prepared & Analyzed: 30-May-14

pH	7.94	0.100	pH Units	7.93				0.126	20	
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Batch 4053010 - NO PREP

LCS (4053010-BS1)

Prepared & Analyzed: 30-May-14

pH	7.07		pH Units	7.00		101	90-110			
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Duplicate (4053010-DUP1)

Source: H401568-09

Prepared & Analyzed: 30-May-14

pH	7.41	0.100	pH Units	7.39				0.270	20	
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Batch 4053013 - General Prep - Wet Chem

LCS (4053013-BS1)

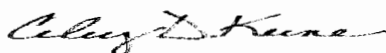
Prepared: 30-May-14 Analyzed: 02-Jun-14

Conductivity	472		uS/cm	500		94.4	80-120			
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4053013 - General Prep - Wet Chem

Duplicate (4053013-DUP1) Source: H401568-01 Prepared: 30-May-14 Analyzed: 02-Jun-14

Conductivity 216 1.00 uS/cm 215 0.139 20

Batch 4053014 - General Prep - Wet Chem

LCS (4053014-BS1) Prepared & Analyzed: 30-May-14

Conductivity 473 uS/cm 500 94.6 80-120

Duplicate (4053014-DUP1) Source: H401568-10 Prepared & Analyzed: 30-May-14

Conductivity 275 1.00 uS/cm 277 0.580 20

Batch 4060404 - General Prep - Wet Chem

Blank (4060404-BLK1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate ND 0.00 mg/kg
Alkalinity, Bicarbonate ND 5.00 mg/kg
Alkalinity, Total 4.00 4.00 mg/kg

LCS (4060404-BS1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate ND 0.00 mg/kg 80-120
Alkalinity, Bicarbonate 122 5.00 mg/kg 80-120
Alkalinity, Total 100 4.00 mg/kg 100 100 80-120

LCS Dup (4060404-BS1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate ND 0.00 mg/kg 80-120 20
Alkalinity, Bicarbonate 136 5.00 mg/kg 80-120 10.9 20
Alkalinity, Total 120 4.00 mg/kg 100 120 80-120 18.2 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060909 - General Prep - Wet Chem
Blank (4060909-BLK1)

Prepared & Analyzed: 09-Jun-14

Sulfate	ND	10.0	mg/kg							
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LCS (4060909-BS1)

Prepared & Analyzed: 09-Jun-14

Sulfate	21.2	10.0	mg/kg	20.0		106	80-120			
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LCS Dup (4060909-BSD1)

Prepared & Analyzed: 09-Jun-14

Sulfate	20.8	10.0	mg/kg	20.0		104	80-120	2.00	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**Organic Compounds - Quality Control**
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052702 - Solvent Extraction**Blank (4052702-BLK1)**

Prepared & Analyzed: 27-May-14

TPH 418.1 ND 100 mg/kg

LCS (4052702-BS1)

Prepared & Analyzed: 27-May-14

TPH 418.1 5830 100 mg/kg 5000 117 80-120

LCS Dup (4052702-BSD1)

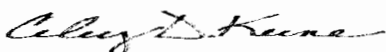
Prepared & Analyzed: 27-May-14

TPH 418.1 5810 100 mg/kg 5000 116 80-120 0.309 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

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
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Batch 4052303 - Volatiles
Blank (4052303-BLK1)

Prepared: 23-May-14 Analyzed: 27-May-14

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) 0.0514 mg/kg 0.0500 103 89.4-126

LCS (4052303-BS1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.14	0.050	mg/kg	2.00		107	76.4-135			
Toluene	2.14	0.050	mg/kg	2.00		107	80.2-135			
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	78.5-133			
Total Xylenes	6.44	0.150	mg/kg	6.00		107	80.1-135			

Surrogate: 4-Bromofluorobenzene (PID) 0.0516 mg/kg 0.0500 103 89.4-126

LCS Dup (4052303-BSD1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.01	0.050	mg/kg	2.00		100	76.4-135	6.57	16.4	
Toluene	1.99	0.050	mg/kg	2.00		99.7	80.2-135	6.91	16.6	
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.0	78.5-133	7.74	16.1	
Total Xylenes	5.96	0.150	mg/kg	6.00		99.4	80.1-135	7.68	15.8	

Surrogate: 4-Bromofluorobenzene (PID) 0.0507 mg/kg 0.0500 101 89.4-126

Batch 4052805 - Volatiles
Blank (4052805-BLK1)

Prepared & Analyzed: 28-May-14

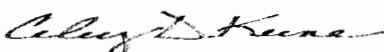
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) 0.0516 mg/kg 0.0500 103 89.4-126

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

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 4052805 - Volatiles
LCS (4052805-BS1)

Prepared & Analyzed: 28-May-14

Benzene	2.35	0.050	mg/kg	2.00		117	76.4-135			
Toluene	2.33	0.050	mg/kg	2.00		116	80.2-135			
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	78.5-133			
Total Xylenes	6.97	0.150	mg/kg	6.00		116	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	89.4-126			

LCS Dup (4052805-BSD1)

Prepared & Analyzed: 28-May-14

Benzene	2.35	0.050	mg/kg	2.00		118	76.4-135	0.169	16.4	
Toluene	2.34	0.050	mg/kg	2.00		117	80.2-135	0.564	16.6	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	78.5-133	0.00243	16.1	
Total Xylenes	6.97	0.150	mg/kg	6.00		116	80.1-135	0.0216	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	89.4-126			

Batch 4052902 - Volatiles
Blank (4052902-BLK1)

Prepared & Analyzed: 29-May-14

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)	0.0525		mg/kg	0.0500		105	89.4-126			

LCS (4052902-BS1)

Prepared & Analyzed: 29-May-14

Benzene	2.07	0.050	mg/kg	2.00		103	76.4-135			
Toluene	2.05	0.050	mg/kg	2.00		102	80.2-135			
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	78.5-133			
Total Xylenes	6.15	0.150	mg/kg	6.00		102	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

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
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Batch 4052902 - Volatiles
LCS Dup (4052902-BSD1)

Prepared & Analyzed: 29-May-14

Benzene	1.99	0.050	mg/kg	2.00		99.4	76.4-135	3.77	16.4	
Toluene	1.99	0.050	mg/kg	2.00		99.3	80.2-135	3.01	16.6	
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.5	78.5-133	3.78	16.1	
Total Xylenes	5.92	0.150	mg/kg	6.00		98.7	80.1-135	3.77	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

Total Metals by ICP- Quality Control Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch B406033 - EPA 3050

Blank (B406033-BLK1)

Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Calcium	ND	1.00	mg/kg dry
Cadmium	ND	0.050	mg/kg dry
Magnesium	ND	1.00	mg/kg dry
Barium	ND	0.010	mg/kg dry
Lead	ND	0.100	mg/kg dry
Arsenic	ND	0.100	mg/kg dry
Chromium	ND	0.050	mg/kg dry
Silver	ND	0.050	mg/kg dry
Selenium	ND	0.200	mg/kg dry
Sodium	ND	1.00	mg/kg dry
Potassium	ND	1.00	mg/kg dry

LCS (B406033-BS1)

Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Potassium	8.21	1.00	mg/kg dry	8.00	103	85-115
Lead	1.97	0.100	mg/kg dry	2.00	98.3	85-115
Chromium	1.97	0.050	mg/kg dry	2.00	98.3	85-115
Sodium	6.39	1.00	mg/kg dry	6.48	98.5	85-115
Cadmium	1.85	0.050	mg/kg dry	2.00	92.3	85-115
Magnesium	19.7	1.00	mg/kg dry	20.0	98.7	85-115
Calcium	3.87	1.00	mg/kg dry	4.00	96.7	85-115
Silver	0.091	0.050	mg/kg dry	0.100	90.6	85-115
Barium	1.89	0.010	mg/kg dry	2.00	94.5	85-115
Selenium	7.66	0.200	mg/kg dry	8.00	95.8	85-115
Arsenic	3.86	0.100	mg/kg dry	4.00	96.4	85-115

LCS Dup (B406033-BSD1)

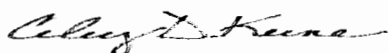
Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Calcium	3.81	1.00	mg/kg dry	4.00	95.3	85-115	1.42	20
Sodium	6.26	1.00	mg/kg dry	6.48	96.6	85-115	2.00	20
Silver	0.090	0.050	mg/kg dry	0.100	90.0	85-115	0.719	20
Lead	1.96	0.100	mg/kg dry	2.00	98.0	85-115	0.371	20
Arsenic	3.84	0.100	mg/kg dry	4.00	95.9	85-115	0.498	20
Barium	1.87	0.010	mg/kg dry	2.00	93.3	85-115	1.26	20
Potassium	8.17	1.00	mg/kg dry	8.00	102	85-115	0.504	20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

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
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Batch B406033 - EPA 3050
LCS Dup (B406033-BSD1)

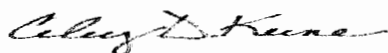
Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Selenium	7.58	0.200	mg/kg dry	8.00		94.7	85-115	1.06	20	
Chromium	1.94	0.050	mg/kg dry	2.00		97.1	85-115	1.28	20	
Cadmium	1.83	0.050	mg/kg dry	2.00		91.3	85-115	1.14	20	
Magnesium	19.7	1.00	mg/kg dry	20.0		98.5	85-115	0.264	20	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**Total Mercury by CVAA - Quality Control****Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B406051 - EPA 7471**Blank (B406051-BLK1)**

Prepared & Analyzed: 05-Jun-14

Mercury ND 0.0002 mg/kg wet

LCS (B406051-BS1)

Prepared & Analyzed: 05-Jun-14

Mercury 0.0020 0.0002 mg/kg wet 0.00200 99.0 85-115

LCS Dup (B406051-BSD1)

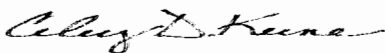
Prepared & Analyzed: 05-Jun-14

Mercury 0.0020 0.0002 mg/kg wet 0.00200 101 85-115 1.90 20

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: F-A-T Enviro
Contact: everly
Address: 30 CR 405
Landfill
Phone Number: 503-230-2130
Email: Schmidt, T & Keweenaw

NOTES:
1) Ensure proper container packaging.
2) Ship samples promptly following collection.
3) Designate Sample Reject Disposition.
PO#
Project Name: Landfill Site

Table 1. - Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil Sediment, 4 = Prod. W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # _____

Sampler's Signature: _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Date	Time	Collected by: (Init.)	Miscellaneous			Preservative(s)				Analyses Required	Comments
				Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	Other (Specify)	
H4D1568												
1. VCD 02E #1	5-17-14	8:00	BS	3	1	N	V					
2. VCD 11 #2		8:30										
3. VCD 11 #3		9:00										
4. VCD 11 #4		9:30										
5. VCD 11 #5		10:00										
6. VCD 11 #6		10:30										
7. VCD 11 #7		11:00										
8. VCD 11 #8		11:30										
9. VCD 11 #9		12:00										
10. VCD 11 #10		12:30										
Relinquished by: <u>[Signature]</u>				Date: <u>5-21-14</u>	Time: <u>14:36</u>	Received by: <u>[Signature]</u>				Date: <u>5/21/14</u>	Time: <u>14:36</u>	
Relinquished by: <u>[Signature]</u>				Date: <u>5/21/14</u>	Time: <u>14:36</u>	Received by: <u>[Signature]</u>				Date: <u>5/21/14</u>	Time: <u>14:36</u>	
Relinquished by: <u>[Signature]</u>				Date: <u>5/21/14</u>	Time: <u>14:36</u>	Received by: <u>[Signature]</u>				Date: <u>5/21/14</u>	Time: <u>14:36</u>	

3.02 #54



T-n-T Environmental

HCR 74 Box 113 - Lindriith, NM 87029
OCD Permit • NM 01 0008

7/1/14
32 31 29 P 3 49

June 17, 2014

Attn: Brad Jones

OCD

1220 South St. Francis Drive
Santa Fe, N M 87505

RE: Vadoze Zone Monitoring Report

This letter is in response to the OCD letter Dated April 10, 2014. T-n-T Environmental apologizes for not having the requested requirements done with in the 45 days of your letter, we have been working with Animas Environmental to address this. The 711 permit requires 1 vadoze report per year, the part 36 has it every 5 years so we don't know which one to do or is it both? We were hoping to solve this problem in the major modification or a new permit. Animas Environmental has had a backlog of work, Ross Kennemer was on vacation most of May. We were waiting on the samples from the lab, they were backed up also. We have been trying to complete this and get it to you but have been held up so we ask for an extension to get this resolved.

Again we apologize for the delay, we will get this to you as soon as everything comes available. Included is the May test results for the vadoze zone monitoring and the back ground samples

Sincerely,

Craig Schmitz
Tony Schmitz

June 11, 2014

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM VADOSE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/14 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

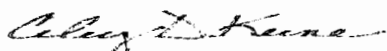
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VADOZE #1	H401568-01	Soil	17-May-14 08:00	22-May-14 10:30
VADOZE #2	H401568-02	Soil	17-May-14 08:30	22-May-14 10:30
VADOZE #3	H401568-03	Soil	17-May-14 09:00	22-May-14 10:30
VADOZE #4	H401568-04	Soil	17-May-14 09:30	22-May-14 10:30
VADOZE #5	H401568-05	Soil	17-May-14 10:00	22-May-14 10:30
VADOZE #6	H401568-06	Soil	17-May-14 10:30	22-May-14 10:30
VADOZE #7	H401568-07	Soil	17-May-14 11:00	22-May-14 10:30
VADOZE #8	H401568-08	Soil	17-May-14 11:30	22-May-14 10:30
VADOZE #9	H401568-09	Soil	17-May-14 12:00	22-May-14 10:30
VADOZE #10	H401568-10	Soil	17-May-14 12:30	22-May-14 10:30
VADOZE #11	H401568-11	Soil	17-May-14 13:00	22-May-14 10:30
VADOZE #12	H401568-12	Soil	17-May-14 13:30	22-May-14 10:30
VADOZE #13	H401568-13	Soil	17-May-14 14:00	22-May-14 10:30

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #1 H401568-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	293		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	215		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.41		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		100	mg/kg	10	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	240		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %		89.4-126	4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.9		%		1	B405245	LLG	29-May-14	EPA160.3	H11
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	126		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3980		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #1
H401568-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

✓ Chromium	19.2		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
✓ Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4520		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2150		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
✓ Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
✓ Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

✓ Mercury	ND		0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #2 H401568-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	312		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	355		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.21		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	256		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %		89.4-126	4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.5		%		1	B405245	LLG	29-May-14	EPA160.3	H1
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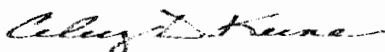
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	126		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	4020		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.3		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #2
H401568-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4440		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2020		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.100	mg/kg dry	485	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #3 H401568-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	273		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	256		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.22		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	224		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.5		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	127		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	4080		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.5		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #3
H401568-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2150		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.0995	mg/kg dry	480	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #4 H401568-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	293		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	309		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.11		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	240		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %		89.4-126	4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.4			%	1	B405245	LLG	29-May-14	EPA160.3	H1
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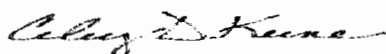
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	120		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3770		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.1		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #4**
H401568-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4380		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2140		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #5 H401568-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	351		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	276		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.30		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PJD)			104 %	89.4-126		4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.0			%	1	B405245	LLG	29-May-14	EPA160.3	H1
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	122		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3850		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #5
H401568-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4520	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2290	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B

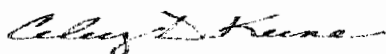
Total Mercury by CVAA

Mercury	ND	0.102	mg/kg dry	495	B406051	JGS	05-Jun-14	EPA7471
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #6 H401568-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	312		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	261		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.20		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	256		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	89.4-126		4052303	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.0		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	124		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3830		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.8		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #6
H401568-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2340		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

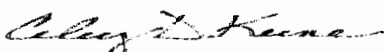
Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	500	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #7 H401568-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	371		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	295		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.28		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	304		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.0		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	128		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3880		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	19.5		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #7**
H401568-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4550	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2330	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B

Total Mercury by CVAA

Mercury	ND	0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #8 H401568-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	332		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	322		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.26		0.100	pH Units	1	4053009	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	272		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052303	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052303	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052303	MS	28-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (P11) 103 % 89.4-126 4052303 MS 28-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.7		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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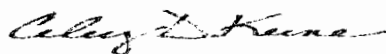
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	116		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3510		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.0		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #8
H401568-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4180	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2140	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B

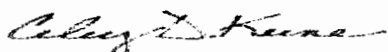
Total Mercury by CVAA

Mercury	ND	0.101	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #9 H401568-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	547		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	367		1.00	uS/cm	1	4053013	AP	02-Jun-14	120.1	
pH*	7.39		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	448		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052805	MS	28-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052805	MS	28-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052805	MS	28-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	89.4-126		4052805	MS	28-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.2		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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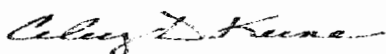
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	108		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3380		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	17.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #9
H401568-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4000		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	1940		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	505	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #10 H401568-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	277		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.44		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126 4052902 MS 29-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.4		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	119		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3990		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.7		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #10
H401568-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4340		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2150		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.0986	mg/kg dry	475	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #11 H401568-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	240		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.59		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	89.4-126		4052902	MS	29-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.8		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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Total Metals by ICP

Arsenic	11.6		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	117		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3570		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.4		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #11
H401568-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4180		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2060		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	


Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	495	B406051	JGS	05-Jun-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #12 H401568-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	527		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	332		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.35		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	432		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	89.4-126		4052902	MS	29-May-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.4			%	1	B405245	LLG	29-May-14	EPA160.3	HI
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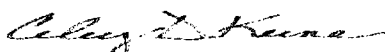
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	112		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3360		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.0		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**VADOZE #12**
H401568-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Total Metals by ICP**

Lead	ND	10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Magnesium	4070	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Potassium	2070	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Selenium	ND	20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Silver	ND	5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B
Sodium	ND	100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B

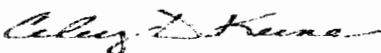
Total Mercury by CVAA

Mercury	ND	0.0985	mg/kg dry	480	B406051	JGS	05-Jun-14	EPA7471
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

VADOZE #13 H401568-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	449		20.0	mg/kg	1	4060404	AP	09-Jun-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4060404	AP	09-Jun-14	310.1	
Chloride	ND		16.0	mg/kg	4	4052704	AP	28-May-14	4500-Cl-B	
Conductivity*	381		1.00	uS/cm	1	4053014	AP	30-May-14	120.1	
pH*	7.34		0.100	pH Units	1	4053010	AP	30-May-14	150.1	
Sulfate	ND		40.0	mg/kg	4	4060909	AP	09-Jun-14	375.4	
Alkalinity, Total*	368		16.0	mg/kg	4	4060404	AP	09-Jun-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4052702	CK	27-May-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4052902	MS	29-May-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4052902	MS	29-May-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4052902	MS	29-May-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 137 % 89.4-126 4052902 MS 29-May-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.7		%	1	B405245	LLG	29-May-14	EPA160.3	H1	
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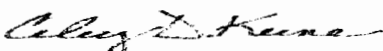
Total Metals by ICP

Arsenic	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Barium	113		1.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Cadmium	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Calcium	3520		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Chromium	18.3		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

VADOZE #13
H401568-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Lead	ND		10.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Magnesium	4210		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Potassium	2180		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Selenium	ND		20.0	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Silver	ND		5.00	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B406033	JGS	04-Jun-14	EPA6010 B	

Total Mercury by CVAA

Mercury	ND		0.100	mg/kg dry	490	B406051	JGS	05-Jun-14	EPA7471	
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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052704 - 1:4 DI Water

Blank (4052704-BLK1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride ND 16.0 mg/kg

LCS (4052704-BS1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 416 16.0 mg/kg 400 104 80-120

LCS Dup (4052704-BSD1)

Prepared: 27-May-14 Analyzed: 28-May-14

Chloride 416 16.0 mg/kg 400 104 80-120 0.00 20

Batch 4053009 - NO PREP

LCS (4053009-BS1)

Prepared & Analyzed: 30-May-14

pH 7.09 pH Units 7.00 101 90-110

Duplicate (4053009-DUP1)

Source: H401556-01

Prepared & Analyzed: 30-May-14

pH 7.94 0.100 pH Units 7.93 0.126 20

Batch 4053010 - NO PREP

LCS (4053010-BS1)

Prepared & Analyzed: 30-May-14

pH 7.07 pH Units 7.00 101 90-110

Duplicate (4053010-DUP1)

Source: H401568-09

Prepared & Analyzed: 30-May-14

pH 7.41 0.100 pH Units 7.39 0.270 20

Batch 4053013 - General Prep - Wet Chem

LCS (4053013-BS1)

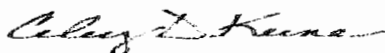
Prepared: 30-May-14 Analyzed: 02-Jun-14

Conductivity 472 uS/cm 500 94.4 80-120

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70 OJITO ROAD
LINDRITH NM, 87029

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

Reported:
11-Jun-14 14:50

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4053013 - General Prep - Wet Chem

Duplicate (4053013-DUP1) Source: H401568-01 Prepared: 30-May-14 Analyzed: 02-Jun-14

Conductivity	216	1.00	uS/cm		215			0.139	20	
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Batch 4053014 - General Prep - Wet Chem

LCS (4053014-BS1) Prepared & Analyzed: 30-May-14

Conductivity	473		uS/cm	500		94.6	80-120			
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Duplicate (4053014-DUP1) Source: H401568-10 Prepared & Analyzed: 30-May-14

Conductivity	275	1.00	uS/cm		277			0.580	20	
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Batch 4060404 - General Prep - Wet Chem

Blank (4060404-BLK1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate	ND	0.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	4.00	4.00	mg/kg							

LCS (4060404-BS1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
Alkalinity, Bicarbonate	122	5.00	mg/kg				80-120			
Alkalinity, Total	100	4.00	mg/kg	100		100	80-120			

LCS Dup (4060404-BSD1) Prepared: 04-Jun-14 Analyzed: 09-Jun-14

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	136	5.00	mg/kg				80-120	10.9	20	
Alkalinity, Total	120	4.00	mg/kg	100		120	80-120	18.2	20	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 11-Jun-14 14:50

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060909 - General Prep - Wet Chem
Blank (4060909-BLK1)

Prepared & Analyzed: 09-Jun-14

Sulfate	ND	10.0	mg/kg							
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LCS (4060909-BS1)

Prepared & Analyzed: 09-Jun-14

Sulfate	21.2	10.0	mg/kg	20.0		106	80-120			
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LCS Dup (4060909-BSD1)

Prepared & Analyzed: 09-Jun-14

Sulfate	20.8	10.0	mg/kg	20.0		104	80-120	2.00	20	
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Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**Organic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
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Batch 4052702 - Solvent Extraction**Blank (4052702-BLK1)**

Prepared & Analyzed: 27-May-14

TPH 418.1 ND 100 mg/kg

LCS (4052702-BS1)

Prepared & Analyzed: 27-May-14

TPH 418.1 5830 100 mg/kg 5000 117 80-120

LCS Dup (4052702-BSD1)

Prepared & Analyzed: 27-May-14

TPH 418.1 5810 100 mg/kg 5000 116 80-120 0.309 20

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Analytical Results For:

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

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

Reported:
11-Jun-14 14:50

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
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Batch 4052303 - Volatiles

Blank (4052303-BLK1)

Prepared: 23-May-14 Analyzed: 27-May-14

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) 0.0514 mg/kg 0.0500 103 89.4-126

LCS (4052303-BS1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.14	0.050	mg/kg	2.00		107	76.4-135			
Toluene	2.14	0.050	mg/kg	2.00		107	80.2-135			
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	78.5-133			
Total Xylenes	6.44	0.150	mg/kg	6.00		107	80.1-135			

Surrogate: 4-Bromofluorobenzene (PID) 0.0516 mg/kg 0.0500 103 89.4-126

LCS Dup (4052303-BSD1)

Prepared: 23-May-14 Analyzed: 27-May-14

Benzene	2.01	0.050	mg/kg	2.00		100	76.4-135	6.57	16.4	
Toluene	1.99	0.050	mg/kg	2.00		99.7	80.2-135	6.91	16.6	
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.0	78.5-133	7.74	16.1	
Total Xylenes	5.96	0.150	mg/kg	6.00		99.4	80.1-135	7.68	15.8	

Surrogate: 4-Bromofluorobenzene (PID) 0.0507 mg/kg 0.0500 101 89.4-126

Batch 4052805 - Volatiles

Blank (4052805-BLK1)

Prepared & Analyzed: 28-May-14

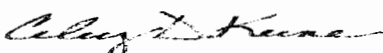
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) 0.0516 mg/kg 0.0500 103 89.4-126

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

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

Reported:
11-Jun-14 14:50

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4052805 - Volatiles

LCS (4052805-BS1)

Prepared & Analyzed: 28-May-14

Benzene	2.35	0.050	mg/kg	2.00		117	76.4-135		
Toluene	2.33	0.050	mg/kg	2.00		116	80.2-135		
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	78.5-133		
Total Xylenes	6.97	0.150	mg/kg	6.00		116	80.1-135		
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	89.4-126		

LCS Dup (4052805-BSD1)

Prepared & Analyzed: 28-May-14

Benzene	2.35	0.050	mg/kg	2.00		118	76.4-135	0.169	16.4
Toluene	2.34	0.050	mg/kg	2.00		117	80.2-135	0.564	16.6
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	78.5-133	0.00243	16.1
Total Xylenes	6.97	0.150	mg/kg	6.00		116	80.1-135	0.0216	15.8
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	89.4-126		

Batch 4052902 - Volatiles

Blank (4052902-BLK1)

Prepared & Analyzed: 29-May-14

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)	0.0525		mg/kg	0.0500		105	89.4-126		

LCS (4052902-BS1)

Prepared & Analyzed: 29-May-14

Benzene	2.07	0.050	mg/kg	2.00		103	76.4-135		
Toluene	2.05	0.050	mg/kg	2.00		102	80.2-135		
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	78.5-133		
Total Xylenes	6.15	0.150	mg/kg	6.00		102	80.1-135		
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	89.4-126		

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

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

 Reported:
 11-Jun-14 14:50

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4052902 - Volatiles									
LCS Dup (4052902-BSD1)				Prepared & Analyzed: 29-May-14					
Benzene	1.99	0.050	mg/kg	2.00		99.4	76.4-135	3.77	16.4
Toluene	1.99	0.050	mg/kg	2.00		99.3	80.2-135	3.01	16.6
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.5	78.5-133	3.78	16.1
Total Xylenes	5.92	0.150	mg/kg	6.00		98.7	80.1-135	3.77	15.8
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	89.4-126		

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LINDRITH NM, 87029

Project: LANDFARM VADOSE
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Reported:
11-Jun-14 14:50

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
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Batch B406033 - EPA 3050

Blank (B406033-BLK1)

Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Calcium	ND	1.00	mg/kg dry
Cadmium	ND	0.050	mg/kg dry
Magnesium	ND	1.00	mg/kg dry
Barium	ND	0.010	mg/kg dry
Lead	ND	0.100	mg/kg dry
Arsenic	ND	0.100	mg/kg dry
Chromium	ND	0.050	mg/kg dry
Silver	ND	0.050	mg/kg dry
Selenium	ND	0.200	mg/kg dry
Sodium	ND	1.00	mg/kg dry
Potassium	ND	1.00	mg/kg dry

LCS (B406033-BS1)

Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Potassium	8.21	1.00	mg/kg dry	8.00	103	85-115
Lead	1.97	0.100	mg/kg dry	2.00	98.3	85-115
Chromium	1.97	0.050	mg/kg dry	2.00	98.3	85-115
Sodium	6.39	1.00	mg/kg dry	6.48	98.5	85-115
Cadmium	1.85	0.050	mg/kg dry	2.00	92.3	85-115
Magnesium	19.7	1.00	mg/kg dry	20.0	98.7	85-115
Calcium	3.87	1.00	mg/kg dry	4.00	96.7	85-115
Silver	0.091	0.050	mg/kg dry	0.100	90.6	85-115
Barium	1.89	0.010	mg/kg dry	2.00	94.5	85-115
Selenium	7.66	0.200	mg/kg dry	8.00	95.8	85-115
Arsenic	3.86	0.100	mg/kg dry	4.00	96.4	85-115

LCS Dup (B406033-BS1)

Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Calcium	3.81	1.00	mg/kg dry	4.00	95.3	85-115	1.42	20
Sodium	6.26	1.00	mg/kg dry	6.48	96.6	85-115	2.00	20
Silver	0.090	0.050	mg/kg dry	0.100	90.0	85-115	0.719	20
Lead	1.96	0.100	mg/kg dry	2.00	98.0	85-115	0.371	20
Arsenic	3.84	0.100	mg/kg dry	4.00	95.9	85-115	0.498	20
Barium	1.87	0.010	mg/kg dry	2.00	93.3	85-115	1.26	20
Potassium	8.17	1.00	mg/kg dry	8.00	102	85-115	0.504	20

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 LINDRITH NM, 87029

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

 Reported:
 11-Jun-14 14:50

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
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Batch B406033 - EPA 3050
LCS Dup (B406033-BSD1)


Prepared: 04-Jun-14 Analyzed: 05-Jun-14

Selenium	7.58	0.200	mg/kg dry	8.00		94.7	85-115	1.06	20	
Chromium	1.94	0.050	mg/kg dry	2.00		97.1	85-115	1.28	20	
Cadmium	1.83	0.050	mg/kg dry	2.00		91.3	85-115	1.14	20	
Magnesium	19.7	1.00	mg/kg dry	20.0		98.5	85-115	0.264	20	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM VADOSE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jun-14 14:50**Total Mercury by CVAA - Quality Control****Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch B406051 - EPA 7471**Blank (B406051-BLK1)**

Prepared & Analyzed: 05-Jun-14

Mercury ND 0.0002 mg/kg wet

LCS (B406051-BS1)

Prepared & Analyzed: 05-Jun-14

Mercury 0.0020 0.0002 mg/kg wet 0.00200 99.0 85-115

LCS Dup (B406051-BSD1)

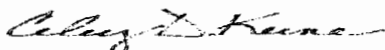
Prepared & Analyzed: 05-Jun-14

Mercury 0.0020 0.0002 mg/kg wet 0.00200 101 85-115 1.90 20

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Celey D. Keene, Lab Director/Quality Manager

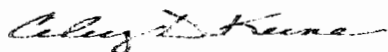
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500C-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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Celey D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: F-10-1 Emeric

Contact: evering

Address: 20012 963

City: Emeryville

Phone Number: 503-336-2130

E-mail: sehm12@att.net

NOTES:

1. Ensure proper container packaging.
2. Ship samples promptly following collection.
3. Dispositive Sample Request Description.

Table 1 - Matrix Type

- 1 = Surface Water
- 2 = Ground Water
- 3 = Soil Sediment
- 4 = Product
- 5 = Oil
- 6 = Waste
- 7 = Other (Specify)

2000-00-00
GAL JOB #

Lab Name: Green Analytical Laboratories

Address: 25 Sutter Street, Durham, CO 81505

TEL: 247-4220 FAX: 247-4227

Web: greenanalytical.com

Analyses Requested

Comments

Sample ID	Collection	Date	Time	Collected by: (initials)	Matrix Type (From Table 1)	No. of Containers	Sample Filtered? (Y/N)	Unpreserved (Use Only)	Preservatives	Analysis Requested	Comments
H4D1568											
10002241		5/17/14	8:00	ES	3	1	N	V		IPH 418.1	
10002242		5/17/14	8:30							BTLX 8021B	
10002243		5/17/14	9:00							chloride smyx	
10002244		5/17/14	9:30							actions 1 Anio.	
10002245		5/17/14	10:00							SECRET metals	
10002246		5/17/14	10:30								
10002247		5/17/14	11:00								
10002248		5/17/14	11:30								
10002249		5/17/14	12:00								
10002250		5/17/14	12:30								

Requisitioned by: [Signature] Date: 5/17/14 Time: 12:30 Received by: [Signature] Date: 5/17/14 Time: 12:30

Requisitioned by: [Signature] Date: 5/17/14 Time: 12:30 Received by: [Signature] Date: 5/17/14 Time: 12:30

Requisitioned by: [Signature] Date: 5/17/14 Time: 12:30 Received by: [Signature] Date: 5/17/14 Time: 12:30



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 2 of 2

NOTES

- 1) Insure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Refect Disposition.
- 4) _____

Table 1: Matrix Type
1 - Surface Water, 2 - Ground Water
3 - Soil Sediment, 4 - Food W., 5 - Vol.
6 - Waste, 7 - Other (Specify) _____

1 - Job #
GAL JOB # _____

Client: T-207 Park Ridge, IL
Contact: Chris Schwartz
Address: 72 CR 405
ADAMITH
Phone Number: 515-320-2131

Product Name: AMALFARM WASTE

Signature: _____

Lab Name: Green Analytical Laboratories 1970 247-4220 FAX 1970 247-4227
Address: 75 Sable Street, Durango, CO 81303 www.greenanalytical.com

Sample ID: 44C1508 Date: 5-17-11 Time: 1:00

Collected by: (initials) Matrix Type: From Table 1 No. of Containers: 3 Sample Filtered: Y/N Unpreserved (See Only): Y

HNO₃ HCl H₂SO₄ NaOH Other (Specify): _____

Preservatives: _____

Analyses Required: TPH 418 1 BTEX SC21B Chloride 501480 cadmium 10000 BCR metals

Comments: _____

Relinquished by: Chris Schwartz Date: 5-21-11 Time: 1:00 Relinquished to: Adamith Date: 5-21-11 Time: 1:00

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Relinquished to: _____ Date: _____ Time: _____

Background sample results

Cell # 1, 2, & 3

T-N-T Construction Inc.
HCR 74 Box 113
Lindrith, N.M 87029

10/14/96

Mr. Denny Foust
Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, N.M. 87410

Dear Mr. Foust:

Enclosed is the annual background test for the entire T-N-T land farm cell's #1,2,3 that you requested and that we are required to have on file.

If you have any question's please call us.

Sincerely,

Tony Lee Schmitz
President



cc: OCD Santa Fe

DIESEL RANGE ORGANICS - DRO

TNT Landfarm

Project: Not Given
Matrix: Soil
Condition: Cool/Intact

Date Reported: 09/04/96
Date Sampled: 08/10/96
Date Received: 08/15/96
Date Extracted: 08/29/96
Date Analyzed: 09/04/96

Sample ID	Lab ID	Result mg/L	Detection Limit mg/Kg
Cell #1 Quarterly Test	0396G01647	ND	20.0
Cell #2 Quarterly Test	0396G01648	ND	20.0
Cell #3 Quarterly Test	0396G01649	ND	20.0

ND - Analyte not detected at stated detection level.

Reference: DRO-USEPA Method for Determination of Diesel Range Organics.
Revision 3, May 8, 1992. WTPH-D Total Petroleum Hydrocarbons Analytical
Methods for Soil, Washington State Department of Ecology, Revision 3,
October 1991.

Analyst: dk

Reviewed: JB

VOLATILE AROMATIC HYDROCARBONS

TNT Landfarm

Project ID: Not Given
Sample ID: Cell #1 Quarterly Test
Lab ID: 0396G01647
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 09/04/96
Date Sampled: 08/10/96
Date Received: 08/15/96
Date Extracted: NA
Date Analyzed: 08/21-22/96

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.9
Toluene	ND	9.9
Ethylbenzene	ND	9.9
m,p-Xylenes	ND	9.9
o-Xylene	ND	9.9

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	98.3%	75 -125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:



Analyst



Review

VOLATILE AROMATIC HYDROCARBONS

TNT Landfarm

Project ID: Not Given
Sample ID: Cell #2 Quarterly Test
Lab ID: 0396G01648
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 09/04/96
Date Sampled: 08/10/96
Date Received: 08/15/96
Date Extracted: NA
Date Analyzed: 08/21-22/96

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
m,p-Xylenes	ND	10.0
o-Xylene	ND	10.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	93.1%	75 -125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Analyst

Review

VOLATILE AROMATIC HYDROCARBONS

TNT Landfarm

Project ID: Not Given
Sample ID: Cell #3 Quarterly Test
Lab ID: 0396G01649
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 09/04/96
Date Sampled: 08/10/96
Date Received: 08/15/96
Date Extracted: NA
Date Analyzed: 08/21-22/96

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
m,p-Xylenes	ND	10.0
o-Xylene	ND	10.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	109.7%	75 -125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:



Analyst



Review

Background sample results

Cell # 4

Client: T-N-T Construction
Project: Cation/anion, TCLP Metals
Sample ID: Cell #4 Background
Lab ID: 0397G00771
Matrix: Soil
Condition: Cool/Intact

Date Received: 05/07/97
Date Reported: 05/27/97
Date Sampled: 05/06/97
Time Sampled: 1100

Parameter	Analytical Result	Units	Units	
GENERAL PARAMETERS				
pH	7.7	s.u.		
Electrical Conductivity	342	µmhos/cm		
Solids - Total Dissolved	270	mg/L		
Alkalinity (CaCO3)	138	mg/L		
Hardness (CaCO3)	132	mg/L		
MAJOR ANIONS				
Bicarbonate (HCO3)	168	mg/L	2.76	meq/L
Carbonate (CO3)	<1	mg/L	<0.03	meq/L
Hydroxide (OH)	<1	mg/L	<0.06	meq/L
Chloride	13.1	mg/L	0.37	meq/L
Sulfate	21.4	mg/L	0.45	meq/L
MAJOR CATIONS				
Calcium	39.3	mg/L	1.96	meq/L
Magnesium	8.27	mg/L	0.68	meq/L
Potassium	2.16	mg/L	0.06	meq/L
Sodium	28.0	mg/L	1.22	meq/L
CATION / ANION BALANCE QC INFORMATION				
Cation Sum			3.92	meq/L
Anion Sum			3.58	meq/L
Cation/Anion Balance			4.53	%
TOTAL METALS				
Arsenic	<0.005	mg/L		
Barium	2.52	mg/L		
Cadmium	<0.004	mg/L		
Chromium	<0.01	mg/L		
Lead	<0.05	mg/L		
Mercury	<0.001	mg/L		
Selenium	<0.005	mg/L		
Silver	<0.01	mg/L		

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.

Reviewed By: JB

Quality Control / Quality Assurance**Spike Analysis / Blank Analysis****TOTAL METALS**

Client: **T-N-T Construction**
Project: **Cell #4 Background**
Sample Matrix: **Soil**

Date Reported: **05/22/97**
Date Analyzed: **05/21/97**
Date Received: **05/07/97**

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.021	0.002	0.025	84%
Barium	1.07	0.04	1.00	107%
Cadmium	0.966	<0.005	1.000	96%
Chromium	1.00	<0.01	1.00	100%
Lead	0.96	<0.10	1.00	96%
Mercury	0.024	0.00	0.025	96%
Selenium	0.025	0.003	0.025	88%
Silver	0.86	<0.01	1.00	86%

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	ND	0.25	mg/L
Barium	1.19*	0.50	mg/L
Cadmium	ND	0.25	mg/L
Chromium	ND	0.50	mg/L
Lead	ND	5.0	mg/L
Mercury	ND	0.001	mg/L
Selenium	ND	0.25	mg/L
Silver	ND	0.50	mg/L

References:


Method 3010: Acid Digestion for Sediments, Sludges, and Soil
SW-846, Rev. 1, July 1992.

Method 1311: Toxicity Characteristic Leaching Procedure,
SW-846, Rev. 0, July 1992.

Comments:

*Analyte present in method blank.

Reported by



Reviewed by



Quality Control / Quality Assurance**Known Analysis
TOTAL METALS**

Client: **T-N-T Construction**
Project: **Cell #4 Background**
Sample Matrix: **Soil**

Date Reported: **05/27/97**
Date Analyzed: **05/21/97**
Date Received: **05/07/97**

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.010	0.010	100%	mg/L
Barium	1.04	1.00	104%	mg/L
Cadmium	1.06	1.00	106%	mg/L
Chromium	1.03	1.04	99%	mg/L
Lead	1.04	1.00	104%	mg/L
Mercury	0.008	0.008	103%	mg/L
Selenium	0.010	0.010	100%	mg/L
Silver	2.15	2.00	108%	mg/L

References: Method 3010: Acid Digestion of Sediments, Sludges and Soil
SW-846, Rev. 1, July 1992.

Method 1311: Toxicity Characteristic Leaching Procedure,
SW-846, rev.0, July 1992.

Comments:

Reported by



Reviewed by



Background sample results

Cell # 5

We cannot find the
original back ground
results, these are the
first vadose results and
they are normal

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01**

Receipt: **12-08-08**

Sample: **CELL #4 MONITORING ZONE**

Collected: 12-04-08 9:28:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-004A		SW846 3050B/6010B ICP		By: TKT						
M081239	MT.2008.1730.66	7439-95-4	Magnesium	4240	mg/kg	10	25		12-15-08	12-15-08
M081239	MT.2008.1730.66	7440-09-7	Potassium	2790	mg/kg	10	25		12-15-08	12-15-08
M081239	MT.2008.1730.66	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.66	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.66	7440-23-5	Sodium	512	mg/kg	10	25		12-15-08	12-15-08
08120224-004A		SW846 5035B/8260C Purgeable VOCs by GC/MS		By: JGH						
V08403	XG.2008.1421.7	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.7	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.7	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.7	106-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.7	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-004A		SW846 7471B CVAA		By: ELS						
M081266	MT.2008.1758.28	7439-97-6	Mercury	ND	ug/Kg	1	20		12-22-08	12-22-08
08120224-004A		SW846 8015B Diesel Range Organics by GC/FID		By: JJP/MR						
S08643	XG.2008.1439.10		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-004A		SW846 9056 Anions by Ion Chromatography		By: SRM						
W081155	WC.2008.3332.17	16987-00-8	Chloride	389	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.17	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.17	14797-65-0	Nitrate, as N	21.4	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.17	14285-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.17	14806-70-8	Sulfate	388	mg/Kg	10	0.5		12-19-08	12-20-08

Sample: **CELL #5 MONITORING ZONE**

Collected: 12-04-08 9:45:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-005A		SW846 3050B/6010B ICP		By: TKT						
M081239	MT.2008.1730.69	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7440-39-3	Barium	132	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.27	7440-43-8	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.69	7440-70-2	Calcium	7750	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7440-47-3	Chromium	19.1	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.69	7439-92-1	Lead	6.01	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7439-95-4	Magnesium	5880	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7440-09-7	Potassium	2510	mg/kg	10	25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.69	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.69	7440-23-5	Sodium	ND	mg/kg	10	25		12-15-08	12-15-08

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (f.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01**

Receipt: **12-08-08**

Sample: **CELL #5 MONITORING ZONE**

Collected: **12-04-08 9:45:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-005A SW846 5035B/8260C Purgeable VOCs by GC/MS By: JGH										
V08403	XG.2008.1421.8	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.8	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.8	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-005A SW846 7471B CVAA By: ELS										
M081266	MT.2008.1756.29	7439-97-6	Mercury	ND	ug/Kg	1	20		12-22-08	12-22-08
08120224-005A SW846 8015B Diesel Range Organics by GC/FID By: 3JP/MR										
S08643	XG.2008.1439.11		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-005A SW846 9056 Anions by Ion Chromatography By: SRM										
W081155	WC.2008.3332.19	16887-00-6	Chloride	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.19	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.19	14797-85-0	Nitrate, as N	6.37	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.19	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.19	14808-79-8	Sulfate	13.2	mg/Kg	10	0.5		12-19-08	12-20-08

Sample: **CELL #6 MONITORING ZONE**

Collected: **12-04-08 10:05:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-006A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.71	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-16-08
M081239	MT.2008.1730.71	7440-39-3	Barium	129	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.28	7440-43-8	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-16-08
M081239	MT.2008.1730.71	7440-70-9	Calcium	7380	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.70	7440-47-3	Chromium	18.0	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.70	7439-92-1	Lead	5.67	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.71	7439-95-4	Magnesium	5650	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.70	7440-08-7	Potassium	2900	mg/kg	10	25		12-15-08	12-15-08
M081239	MT.2008.1730.70	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.70	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.70	7440-23-5	Sodium	ND	mg/kg	10	25		12-15-08	12-15-08
08120224-006A SW846 5035B/8260C Purgeable VOCs by GC/MS By: JGH										
V08403	XG.2008.1421.9	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.9	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.9	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08

Background sample results

Cell # 6

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

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P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: 22-May-07

CLIENT: TNT
Work Order: 0705007
Project: Quarterly
Lab ID: 0705007-006A

Client Sample Info: Quarterly
Client Sample ID: Cell #6 Background
Collection Date: 05/04/2007 11:00:00 AM
Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B		(SW8015B)		Analyst: elc
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	05/15/2007
Surr: o-Terphenyl	85.3	35-128		%REC	1	05/15/2007
GASOLINE RANGE ORGANICS		SW8015B		(SW5035A)		Analyst: elc
T/R Hydrocarbons: C6-C10	0.36	2.50	J	mg/Kg	25	05/09/2007
Surr: Trifluorotoluene	94.5	55-135		%REC	25	05/09/2007
AROMATIC VOLATILES BY GC/PID		SW8021B		(SW5035A)		Analyst: elc
Benzene	ND	25.0		µg/Kg	25	05/08/2007
Ethylbenzene	ND	25.0		µg/Kg	25	05/08/2007
m,p-Xylene	ND	50.0		µg/Kg	25	05/08/2007
Methyl tert-Butyl Ether	ND	50.0		µg/Kg	25	05/08/2007
o-Xylene	ND	25.0		µg/Kg	25	05/08/2007
Toluene	13	25.0	J	µg/Kg	25	05/08/2007
Surr: 1,4-Difluorobenzene	94.8	75-120		%REC	25	05/08/2007
Surr: 4-Bromochlorobenzene	124	50-140		%REC	25	05/08/2007
Surr: Fluorobenzene	81.6	70-120		%REC	25	05/08/2007
ICP METALS, TOTAL		SW6010B		(SW3050B)		Analyst: jem
Calcium	6530	1240		mg/Kg	100	05/21/2007 7:24:35 PM
Iron	13300	89.6		mg/Kg	100	05/21/2007 7:24:35 PM
Magnesium	3230	378		mg/Kg	100	05/21/2007 7:24:35 PM
Potassium	1080	26.9		mg/Kg	1	05/21/2007 6:19:14 PM
Sodium	142	8.61		mg/Kg	1	05/21/2007 6:19:14 PM
ANIONS BY ION CHROMATOGRAPHY		E300		(E300)		Analyst: elc
Chloride	419	20.2		ppm	20	05/10/2007
Fluoride	3.26	0.100		ppm	1	05/10/2007
Sulfate	18.5	1.01		ppm	1	05/10/2007

Qualifiers: ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

Background sample results

Cell # 7

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01**

Receipt: **12-08-08**

Sample: **CELL #6 MONITORING ZONE**

Collected: 12-04-08 10:05:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-006A		SW846 7471B CVAA						By: ELS		
M081266	MT.2008.1756.30	7439-97-6	Mercury	ND	ug/Kg	1	20		12-22-08	12-22-08
08120224-006A		SW846 8015B Diesel Range Organics by GC/FID						By: JJP/MR		
S08643	XG.2008.1439.12		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-006A		SW846 9056 Anions by Ion Chromatography						By: SRM		
W081155	WC.2008.3332.21	16887-00-6	Chloride	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.21	16994-48-8	Fluoride	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.21	14797-65-0	Nitrate, as N	8.70	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.21	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.21	14808-79-8	Sulfate	7.14	mg/Kg	10	0.5		12-19-08	12-20-08

Sample: **CELL #7 BACKGROUND**

Collected: 12-04-08 10:30:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-007A		SW846 3050B/6010B ICP						By: TKT		
M081239	MT.2008.1730.76	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.76	7440-39-3	Barium	150	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.29	7440-43-0	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.76	7440-70-2	Calcium	4980	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.75	7440-47-3	Chromium	18.1	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.75	7439-92-1	Lead	4.30	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1751.29	7439-95-4	Magnesium	4600	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1751.29	7440-09-7	Potassium	2920	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.75	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.75	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.75	7440-23-5	Sodium	377	mg/kg	10	25		12-15-08	12-15-08
08120224-007A		SW846 5035B/8260C Purgeable VOCs by GC/MS						By: JGH		
V08403	XG.2008.1421.10	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.10	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.10	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.10	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.10	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-007A		SW846 7471B CVAA						By: ELS		
M081266	MT.2008.1756.33	7439-97-6	Mercury	ND	ug/Kg	1	20		12-22-08	12-22-08
08120224-007A		SW846 8015B Diesel Range Organics by GC/FID						By: JJP/MR		
S08643	XG.2008.1439.14		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-007A		SW846 9056 Anions by Ion Chromatography						By: SRM		
W081155	WC.2008.3332.23	16887-00-6	Chloride	12.8	mg/Kg	10	0.5		12-19-08	12-20-08

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01** Receipt: **12-08-08**

Sample: **CELL #7 BACKGROUND**

Collected: 12-04-08 10:30:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-007A		SW846 9056 Anions by Ion Chromatography						By: SRM		
W081156	WC.2008.3332.23	16984-48-8	Fluoride	5.94	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14797-85-0	Nitrate, as N	7.92	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14808-79-8	Sulfate	26.7	mg/Kg	10	0.5		12-19-08	12-20-08

Sample: **CELL #8 BACKGROUND**

Collected: 12-04-08 10:46:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-008A		SW846 3050B/6010B ICP						By: TKT		
M081239	MT.2008.1730.78	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.78	7440-39-3	Barium	144	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.30	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.78	7440-70-2	Calcium	6310	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-47-3	Chromium	17.4	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.77	7439-92-1	Lead	4.13	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1751.30	7439-95-4	Magnesium	4520	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1751.30	7440-09-7	Potassium	2600	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.77	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-23-5	Sodium	242	mg/kg	10	25		12-15-08	12-15-08
08120224-008A		SW846 5035B/8260C Purgeable VOCs by GC/MS						By: JGH		
V08403	XG.2008.1421.11	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-008A		SW846 7471B CVAA						By: ELS		
M081266	MT.2008.1766.34	7439-97-8	Mercury	21.3	ug/Kg	1	20		12-22-08	12-22-08
08120224-008A		SW846 8015B Diesel Range Organics by GC/FID						By: JJP/MR		
S08643	XG.2008.1430.15		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-008A		SW846 9056 Anions by Ion Chromatography						By: SRM		
W081177	WC.2008.3407.28	16887-00-6	Chloride	8.75	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	16984-48-8	Fluoride	4.91	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14797-85-0	Nitrate, as N	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14808-79-8	Sulfate	45.0	mg/Kg	10	0.5		12-29-08	12-30-08

Background sample results

Cell # 8

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**Project: **LANDFARM**Order: **08120224 ARS01** Receipt: **12-08-08**Sample: **CELL #7 BACKGROUND**

Collected: 12-04-08 10:30:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-007A SW846 9056 Anions by Ion Chromatography By: SRM										
W081155	WC.2008.3332.23	16984-48-8	Fluoride	5.94	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14797-85-0	Nitrate, as N	7.92	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-19-08	12-20-08
W081155	WC.2008.3332.23	14808-79-8	Sulfate	26.7	mg/Kg	10	0.5		12-19-08	12-20-08

Sample: **CELL #8 BACKGROUND**

Collected: 12-04-08 10:46:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-008A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.78	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.78	7440-39-3	Barium	144	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.30	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.78	7440-70-2	Calcium	6310	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-47-3	Chromium	17.4	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.77	7439-92-1	Lead	4.13	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1751.30	7439-95-4	Magnesium	4520	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1751.30	7440-09-7	Potassium	2600	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.77	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.77	7440-23-5	Sodium	342	mg/kg	10	25		12-15-08	12-15-08
08120224-008A SW846 5035B/8260C Purgeable VOCs by GC/MS By: JGH										
V08403	XG.2008.1421.11	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	108-38-3/108-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.11	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-008A SW846 7471B CVAA By: ELS										
M081266	MT.2008.1756.34	7430-97-8	Mercury	21.3	ug/Kg	1	20		12-22-08	12-22-08
08120224-008A SW846 8015B Diesel Range Organics by GC/FID By: JJP/MR										
S08643	XG.2008.1439.15		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-008A SW846 9056 Anions by Ion Chromatography By: SRM										
W081177	WC.2008.3407.28	16887-00-5	Chloride	6.75	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	16984-48-8	Fluoride	4.91	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14797-85-0	Nitrate, as N	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.28	14808-79-8	Sulfate	45.0	mg/Kg	10	0.5		12-29-08	12-30-08

Background sample results

Cell # 9

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01**

Receipt: **12-08-08**

Sample: **CELL #9 BACKGROUND**

Collected: **12-04-08 10:59:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-009A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.80	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.80	7440-39-3	Barium	136	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.31	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.80	7440-70-2	Calcium	8220	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-47-3	Chromium	18.2	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.79	7439-92-1	Lead	5.52	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1751.32	7439-95-4	Magnesium	5520	mg/kg	20	25		12-15-08	12-18-08
M081239	MT.2008.1751.31	7440-09-7	Potassium	2660	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.79	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-23-5	Sodium	ND	mg/kg	10	25		12-15-08	12-15-08
08120224-009A SW846 5035B/8260C Purgeable VOCs by GC/MS By: JGH										
V08403	XG.2008.1421.12	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	108-38-3/108-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-009A SW846 7471B CVAA By: ELS										
M081268	MT.2008.1758.35	7439-97-6	Mercury	20.4	ug/Kg	1	20		12-22-08	12-22-08
08120224-009A SW846 8015B Diesel Range Organics by GC/FID By: JJP/MR										
S08843	XG.2008.1439.16		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-009A SW846 9056 Anions by Ion Chromatography By: SRM										
W081177	WC.2008.3407.29	16887-00-6	Chloride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14797-85-0	Nitrate, as N	6.55	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14808-79-8	Sulfate	18.4	mg/Kg	10	0.5		12-29-08	12-30-08

Sample: **CELL #10 BACKGROUND**

Collected: **12-04-08 11:17:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-010A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.82	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.82	7440-39-3	Barium	134	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.36	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.82	7440-70-2	Calcium	7900	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.81	7440-47-3	Chromium	17.9	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.81	7439-92-1	Lead	4.70	mg/kg	10	0.25		12-15-08	12-15-08

Background sample results

Cell # 10

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01**

Receipt: **12-08-08**

Sample: **CELL #9 BACKGROUND**

Collected: **12-04-08 10:59:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-009A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.80	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.80	7440-39-3	Barium	136	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.31	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.80	7440-70-2	Calcium	8220	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-47-3	Chromium	18.2	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.79	7439-92-1	Lead	5.52	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1751.32	7439-95-4	Magnesium	5520	mg/kg	20	25		12-15-08	12-18-08
M081239	MT.2008.1751.31	7440-09-7	Potassium	2660	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.79	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.79	7440-23-5	Sodium	ND	mg/kg	10	25		12-15-08	12-15-08
08120224-009A SW846 5035B/8260C Purgeable VOCs by GC/MS By: JGH										
V08403	XG.2008.1421.12	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	95-47-8	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	108-38-3/108-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.12	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-009A SW846 7471B CVAA By: ELS										
M081266	MT.2008.1756.35	7439-97-6	Mercury	20.4	ug/Kg	1	20		12-22-08	12-22-08
08120224-009A SW846 8015B Diesel Range Organics by GC/FID By: JJP/MR										
S08043	XG.2008.1439.16		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-15-08
08120224-009A SW846 9056 Anions by Ion Chromatography By: SRM										
W081177	WC.2008.3407.29	16887-00-6	Chloride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14797-85-0	Nitrate, as N	6.55	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.29	14808-79-8	Sulfate	18.4	mg/Kg	10	0.5		12-29-08	12-30-08

Sample: **CELL #10 BACKGROUND**

Collected: **12-04-08 11:17:00** By: **TO**

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-010A SW846 3050B/6010B ICP By: TKT										
M081239	MT.2008.1730.82	7440-38-2	Arsenic	ND	mg/kg	100	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.82	7440-39-3	Barium	134	mg/kg	100	0.15		12-15-08	12-15-08
M081239	MT.2008.1751.36	7440-43-9	Cadmium	ND	mg/kg	10	0.25		12-15-08	12-18-08
M081239	MT.2008.1730.82	7440-70-2	Calcium	7900	mg/kg	100	25		12-15-08	12-15-08
M081239	MT.2008.1730.81	7440-47-3	Chromium	17.9	mg/kg	10	0.1		12-15-08	12-15-08
M081239	MT.2008.1730.81	7439-92-1	Lead	4.70	mg/kg	10	0.25		12-15-08	12-15-08

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LANDFARM**

Order: **08120224 ARS01** Receipt: **12-08-08**

Sample: **CELL #10 BACKGROUND**

Collected: 12-04-08 11:17:00 By: TO

Matrix:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120224-010A		SW846 3050B/6010B ICP		By: TKT						
M081239	MT.2008.1751.37	7439-95-4	Magnesium	5420	mg/kg	20	25		12-15-08	12-18-08
M081239	MT.2008.1751.36	7440-09-7	Potassium	2770	mg/kg	10	25		12-15-08	12-18-08
M081239	MT.2008.1730.81	7782-49-2	Selenium	ND	mg/kg	10	0.5		12-15-08	12-15-08
M081239	MT.2008.1730.81	7440-22-4	Silver	ND	mg/kg	10	0.25		12-15-08	12-15-08
M081239	MT.2008.1730.81	7440-23-5	Sodium	ND	mg/kg	10	25		12-15-08	12-15-08
08120224-010A		SW846 5035B/8260C Purgeable VOCs by GC/MS		By: JGH						
V08403	XG.2008.1421.13	71-43-2	Benzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.13	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.13	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
V08403	XG.2008.1421.13	108-38-3/108-42	p/m-Xylenes	ND	mg/Kg	1	0.01	12	12-09-08	12-09-08
V08403	XG.2008.1421.13	108-88-3	Toluene	ND	mg/Kg	1	0.005	12	12-09-08	12-09-08
08120224-010A		SW846 7471B CVAA		By: ELS						
M081266	MT.2008.1756.22	7439-97-6	Mercury	20.7	ug/Kg	1	20		12-22-08	12-22-08
08120224-010A		SW846 8015B Diesel Range Organics by GC/FID		By: 3JP/MR						
S08643	XG.2008.1439.17		Diesel Range Organics	ND	mg/Kg	1	50		12-09-08	12-16-08
08120224-010A		SW846 9056 Anions by Ion Chromatography		By: SRM						
W081177	WC.2008.3407.30	16887-00-6	Chloride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.30	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.30	14797-65-0	Nitrate, as N	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.30	14285-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		12-29-08	12-30-08
W081177	WC.2008.3407.30	14808-79-8	Sulfate	11.8	mg/Kg	10	0.5		12-29-08	12-30-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

- The LCS, LCSD, MS, and MSD recoveries and RPDs were outside of QA/QC criteria, high. Reported data was Non-detected for all affected compounds. Data is unaffected by high bias in QC data.
- Headspace present at time of sample preparation for analysis.
- Matrix spike and matrix spike duplicates recoveries were high, outside of QC acceptance criteria (90-110%) and should be taken into consideration when reviewing the reported results.

Background sample results

Cell # 11

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LAND FARM**

Order: **09060137 TNT01**

Receipt: **06-04-09**

Sample: **CELL#10 MONITORING ZONE**

Collected: 05-27-09 12:30:00 By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-010A		SW846 3050B/6010B ICP		By: TKT						
M09591	MT.2009.936.48	7440-09-7	Potassium	2380	mg/kg	10	25		06-09-09	06-18-09
M09591	MT.2009.936.48	7782-49-2	Selenium	ND	mg/kg	10	0.5		06-09-09	06-18-09
M09591	MT.2009.936.48	7440-22-4	Silver	ND	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.48	7440-23-5	Sodium	ND	mg/kg	10	25		06-09-09	06-18-09
09060137-010A		SW846 5035B/8021B Purgeable VOCs by GC/PID		By: BP/MR						
V09216	XG.2009.767.7	71-43-2	Benzene	ND	mg/Kg	1	0.005		06-10-09	06-10-09
V09216	XG.2009.767.7	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		06-10-09	06-10-09
V09216	XG.2009.767.7	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		06-10-09	06-10-09
V09216	XG.2009.767.7	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		06-10-09	06-10-09
V09216	XG.2009.767.7	108-88-3	Toluene	ND	mg/Kg	1	0.005		06-10-09	06-10-09
09060137-010A		SW846 7471B CVAA		By: ELS						
M09616	MT.2009.937.29	7439-97-6	Mercury	ND	ug/Kg	1	20		06-19-09	06-19-09
09060137-010A		SW846 8015B Diesel Range Organics by GC/FID		By: ABR/BP						
S09273	XG.2009.776.17		Diesel Range Organics	ND	mg/Kg	1	50		06-08-09	06-11-09
09060137-010A		SW846 9056 Anions by Ion Chromatography		By: SRM						
W09520	WC.2009.1528.19	16887-00-6	Chloride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.19	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.19	14797-65-0	Nitrate, as N	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.19	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.19	14808-79-8	Sulfate	ND	mg/Kg	10	0.5		06-15-09	06-15-09

Sample: **CELL#11 BACK GROUND**

Collected: 05-27-09 13:00:00 By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-011A		SW846 3050B/6010B ICP		By: TKT						
M09591	MT.2009.936.53	7440-38-2	Arsenic	ND	mg/kg	50	0.25		06-09-09	06-18-09
M09591	MT.2009.936.53	7440-39-3	Barium	221	mg/kg	50	0.15		06-09-09	06-18-09
M09591	MT.2009.936.53	7440-43-9	Cadmium	ND	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.53	7440-70-2	Calcium	5980	mg/kg	50	25		06-09-09	06-18-09
M09591	MT.2009.936.52	7440-47-3	Chromium	22.5	mg/kg	10	0.1		06-09-09	06-18-09
M09591	MT.2009.936.52	7439-92-1	Lead	6.61	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.53	7439-95-4	Magnesium	6200	mg/kg	50	25		06-09-09	06-18-09
M09591	MT.2009.936.52	7440-09-7	Potassium	2480	mg/kg	10	25		06-09-09	06-18-09
M09591	MT.2009.936.52	7782-49-2	Selenium	ND	mg/kg	10	0.5		06-09-09	06-18-09
M09591	MT.2009.936.52	7440-22-4	Silver	ND	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.52	7440-23-5	Sodium	ND	mg/kg	10	25		06-09-09	06-18-09
09060137-011A		SW846 5035B/8021B Purgeable VOCs by GC/PID		By: BP/MR						
V09216	XG.2009.767.8	71-43-2	Benzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**
 Project: **LAND FARM**
 Order: **09060137 TNT01** Receipt: **06-04-09**

Sample: **CELL#11 BACK GROUND**

Collected: 05-27-09 13:00:00 By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-011A			SW846 5035B/8021B Purgeable VOCs by GC/PID						By: BP/MR	
09216	XG.2009.767.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09216	XG.2009.767.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09216	XG.2009.767.8	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	2	06-10-09	06-10-09
09216	XG.2009.767.8	108-88-3	Toluene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09060137-011A			SW846 7471B CVAA						By: ELS	
09616	MT.2009.937.32	7439-97-6	Mercury	ND	ug/Kg	1	20		06-19-09	06-19-09
09060137-011A			SW846 8015B Diesel Range Organics by GC/FID						By: ABR/BP	
09273	XG.2009.776.18		Diesel Range Organics	ND	mg/Kg	1	50		06-08-09	06-11-09
09060137-011A			SW846 9056 Anions by Ion Chromatography						By: SRM	
W09520	WC.2009.1528.20	16887-00-6	Chloride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14797-65-0	Nitrate, as N	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14808-79-8	Sulfate	ND	mg/Kg	10	0.5		06-15-09	06-15-09

Sample: **CELL#12 BACK GROUND**

Collected: 05-27-09 13:30:00 By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-012A			SW846 3050B/6010B ICP						By: TKT	
09591	MT.2009.936.55	7440-38-2	Arsenic	ND	mg/kg	50	0.25		06-09-09	06-18-09
09591	MT.2009.936.55	7440-39-3	Barium	202	mg/kg	50	0.15		06-09-09	06-18-09
09591	MT.2009.936.54	7440-43-9	Cadmium	ND	mg/kg	10	0.25		06-09-09	06-18-09
09591	MT.2009.936.54	7440-70-2	Calcium	4900	mg/kg	10	25		06-09-09	06-18-09
09591	MT.2009.936.54	7440-47-3	Chromium	20.5	mg/kg	10	0.1		06-09-09	06-18-09
09591	MT.2009.936.54	7439-92-1	Lead	5.81	mg/kg	10	0.25		06-09-09	06-18-09
09591	MT.2009.936.55	7439-95-4	Magnesium	5640	mg/kg	50	25		06-09-09	06-18-09
09591	MT.2009.936.54	7440-09-7	Potassium	2460	mg/kg	10	25		06-09-09	06-18-09
09591	MT.2009.936.54	7782-49-2	Selenium	ND	mg/kg	10	0.5		06-09-09	06-18-09
09591	MT.2009.936.54	7440-22-4	Silver	ND	mg/kg	10	0.25		06-09-09	06-18-09
09591	MT.2009.936.54	7440-23-5	Sodium	ND	mg/kg	10	25		06-09-09	06-18-09
09060137-012A			SW846 5035B/8021B Purgeable VOCs by GC/PID						By: BP/MR	
09216	XG.2009.767.9	71-43-2	Benzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09216	XG.2009.767.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09216	XG.2009.767.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09216	XG.2009.767.9	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	2	06-10-09	06-10-09
09216	XG.2009.767.9	108-88-3	Toluene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09060137-012A			SW846 7471B CVAA						By: ELS	
09616	MT.2009.937.33	7439-97-6	Mercury	ND	ug/Kg	1	20		06-19-09	06-19-09

Background sample results

Cell # 12

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**

Project: **LAND FARM**

Order: **09060137 TNT01**

Receipt: **06-04-09**

Sample: **CELL#11 BACK GROUND**

Collected: **05-27-09 13:00:00** By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-011A			SW846 5035B/8021B Purgeable VOCs by GC/PID					By: BP/MR		
V09216	XG.2009.767.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
V09216	XG.2009.767.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
V09216	XG.2009.767.8	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	2	06-10-09	06-10-09
V09216	XG.2009.767.8	108-88-3	Toluene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09060137-011A			SW846 7471B CVAA					By: ELS		
M09616	MT.2009.937.32	7439-97-6	Mercury	ND	ug/Kg	1	20		06-19-09	06-19-09
09060137-011A			SW846 8015B Diesel Range Organics by GC/FID					By: ABR/BP		
S09273	XG.2009.776.18		Diesel Range Organics	ND	mg/Kg	1	50		06-08-09	06-11-09
09060137-011A			SW846 9056 Anions by Ion Chromatography					By: SRM		
W09520	WC.2009.1528.20	16887-00-6	Chloride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	16984-48-8	Fluoride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14797-65-0	Nitrate, as N	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.20	14808-79-8	Sulfate	ND	mg/Kg	10	0.5		06-15-09	06-15-09

Sample: **CELL#12 BACK GROUND**

Collected: **05-27-09 13:30:00** By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-012A			SW846 3080B/6010B ICP					By: TKT		
M09591	MT.2009.936.55	7440-38-2	Arsenic	ND	mg/kg	50	0.25		06-09-09	06-18-09
M09591	MT.2009.936.55	7440-39-3	Barium	202	mg/kg	50	0.15		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-43-9	Cadmium	ND	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-70-2	Calcium	4900	mg/kg	10	25		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-47-3	Chromium	20.5	mg/kg	10	0.1		06-09-09	06-18-09
M09591	MT.2009.936.54	7439-92-1	Lead	5.81	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.55	7439-95-4	Magnesium	5840	mg/kg	50	25		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-09-7	Potassium	2460	mg/kg	10	25		06-09-09	06-18-09
M09591	MT.2009.936.54	7782-49-2	Selenium	ND	mg/kg	10	0.5		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-22-4	Silver	ND	mg/kg	10	0.25		06-09-09	06-18-09
M09591	MT.2009.936.54	7440-23-5	Sodium	ND	mg/kg	10	25		06-09-09	06-18-09
09060137-012A			SW846 5035B/8021B Purgeable VOCs by GC/PID					By: BP/MR		
V09216	XG.2009.767.9	71-43-2	Benzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
V09216	XG.2009.767.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
V09216	XG.2009.767.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
V09216	XG.2009.767.9	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	2	06-10-09	06-10-09
V09216	XG.2009.767.9	108-88-3	Toluene	ND	mg/Kg	1	0.005	2	06-10-09	06-10-09
09060137-012A			SW846 7471B CVAA					By: ELS		
M09616	MT.2009.937.33	7439-97-6	Mercury	ND	ug/Kg	1	20		06-19-09	06-19-09

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **T-N-T ENVIRONMENTAL**
 Project: **LAND FARM**
 Order: **09060137 TNT01** Receipt: **06-04-09**

Sample: **CELL#12 BACK GROUND**

Collected: **05-27-09 13:30:00** By:

Matrix: **NAQ**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
09060137-012A		SW846 8015B Diesel Range Organics by GC/FID							By: ABR/BP	
309273	XG.2009.778.19		Diesel Range Organics	ND	mg/Kg	1	50		06-08-09	06-11-09
09060137-012A		SW846 9056 Anions by Ion Chromatography							By: SRM	
W09520	WC.2009.1528.21	16887-00-6	Chloride	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.21	16984-48-8	Fluoride	5.50	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.21	14797-65-0	Nitrate, as N	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.21	14265-44-2	Orthophosphate, as P	ND	mg/Kg	10	0.5		06-15-09	06-15-09
W09520	WC.2009.1528.21	14808-79-8	Sulfate	ND	mg/Kg	10	0.5		06-15-09	06-15-09

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

¹ The MSD recoveries and MS/MSD-RPDs were outside of QA/QC criteria, due to matrix interferences. The LCS and MS were within criteria, demonstrating accuracy for the method.

² The sample contained headspace at time of extraction and analysis.

Background sample results

Cell # 13



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116

Receiving Date: 04/22/10
Reporting Date: 04/28/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		04/27/10	04/27/10
H19728-1*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-2*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-3	CELL #13 BACKGROUND	<10.0	<10.0
H19728-4	CELL #13 BACKGROUND	<10.0	<10.0
H19728-5	CELL #13 BACKGROUND	<10.0	<10.0
H19728-6	CELL #13 BACKGROUND	<10.0	<10.0
H19728-7*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-8	CELL #13 BACKGROUND	<10.0	<10.0
H19728-9	CELL #13 BACKGROUND	<10.0	<10.0
H19728-10	CELL #13 BACKGROUND	<10.0	<10.0
H19728-11	CELL #13 BACKGROUND	<10.0	<10.0
H19728-12	CELL #13 BACKGROUND	<10.0	<10.0
H19728-13*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-14*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-15*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-16*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-17*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-18	CELL #14 BACKGROUND	<10.0	<10.0
Quality Control		544	560
True Value QC		500	500
% Recovery		109	112
Relative Percent Difference		1.0	2.0

METHOD: SW-846 8015 M. Reported on wet weight.

Not accredited for GRO/DRO.

*One or more TPH surrogates outside historical limits due to matrix interference.


Chemist


Date

H19728 T TNT ENV



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

ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116

Receiving Date: 04/22/10
Reporting Date: 04/28/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: ZL

LAB NO.	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		04/26/10	04/26/10	04/26/10	04/26/10
H19728-1	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-2	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-3	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-4	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-5	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-6	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-7	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-8	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-9	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-10	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-11	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-12	CELL #13 BACKGROUND	<0.050	<0.050	<0.050	<0.300
Quality Control		0.053	0.051	0.047	0.146
True Value QC		0.050	0.050	0.050	0.150
% Recovery		106	102	94.0	97.3
Relative Percent Difference		1.8	10.9	8.3	8.8

METHODS: BTEX - SW-846 8021B. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Not accredited for GRO/DRO.


Lab Director

04/28/10
Date

H19728 BTEX TNT ENV

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ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116


Receiving Date: 04/22/10
Reporting Date: 04/30/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

Analysis Date: 04/29/10
Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H19728-1	CELL #13 BACKGROUND	< 16
H19728-2	CELL #13 BACKGROUND	< 16
H19728-3	CELL #13 BACKGROUND	< 16
H19728-4	CELL #13 BACKGROUND	< 16
H19728-5	CELL #13 BACKGROUND	< 16
H19728-6	CELL #13 BACKGROUND	< 16
H19728-7	CELL #13 BACKGROUND	< 16
H19728-8	CELL #13 BACKGROUND	< 16
H19728-9	CELL #13 BACKGROUND	< 16
H19728-10	CELL #13 BACKGROUND	< 16
H19728-11	CELL #13 BACKGROUND	< 16
H19728-12	CELL #13 BACKGROUND	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-Cl/B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

04/30/10
Date

H19728 T-N-T ENVIRO

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Background sample results

Cell # 14



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ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116

Receiving Date: 04/22/10
Reporting Date: 04/28/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

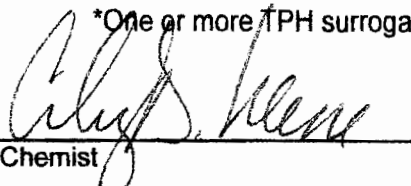
Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
		04/27/10	04/27/10
H19728-1*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-2*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-3	CELL #13 BACKGROUND	<10.0	<10.0
H19728-4	CELL #13 BACKGROUND	<10.0	<10.0
H19728-5	CELL #13 BACKGROUND	<10.0	<10.0
H19728-6	CELL #13 BACKGROUND	<10.0	<10.0
H19728-7*	CELL #13 BACKGROUND	<10.0	<10.0
H19728-8	CELL #13 BACKGROUND	<10.0	<10.0
H19728-9	CELL #13 BACKGROUND	<10.0	<10.0
H19728-10	CELL #13 BACKGROUND	<10.0	<10.0
H19728-11	CELL #13 BACKGROUND	<10.0	<10.0
H19728-12	CELL #13 BACKGROUND	<10.0	<10.0
H19728-13*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-14*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-15*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-16*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-17*	CELL #14 BACKGROUND	<10.0	<10.0
H19728-18	CELL #14 BACKGROUND	<10.0	<10.0
Quality Control		544	560
True Value QC		500	500
% Recovery		109	112
Relative Percent Difference		1.0	2.0

METHOD: SW-846 8015 M. Reported on wet weight.

Not accredited for GRO/DRO.

*One or more TPH surrogates outside historical limits due to matrix interference.


Chemist

04/28/10
Date

H19728 T TNT ENV



**ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116**

Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: AB

METHOD: SW-846 8015 M. Reported on wet weight.
Not accredited for GRO/DRO.

*One or more TPH surrogates outside historical limits due to matrix interference.

Date _____

H19728 T TNT ENV

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ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116

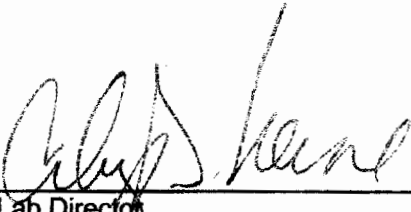
Receiving Date: 04/22/10
Reporting Date: 04/28/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

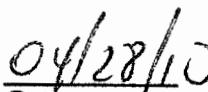
Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: ZL

LAB NO.	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		04/27/10	04/27/10	04/27/10	04/27/10
H19728-13	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-14	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-15	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-16	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-17	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-18	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-19	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-20	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-21	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-22	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-23	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
H19728-24	CELL #14 BACKGROUND	<0.050	<0.050	<0.050	<0.300
Quality Control		0.054	0.049	0.048	0.144
True Value QC		0.050	0.050	0.050	0.150
% Recovery		108	98.0	96.0	96.0
Relative Percent Difference		16.2	2.9	10.6	11.4

METHODS: BTEX - SW-846 8021B. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Not accredited for GRO/DRO.


Lab Director


Date

H19728 BTEX TNT ENV

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ANALYTICAL RESULTS FOR
T-N-T ENVIRONMENTAL
ATTN: TONY SCHMITZ
70 OJITO RD.
LINDRITH, NM 87029
FAX TO (575) 774-9116

Receiving Date: 04/22/10
Reporting Date: 04/30/10
Project Number: NOT GIVEN
Project Name: LANDFARM
Project Location: NOT GIVEN

Analysis Date: 04/29/10
Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 14°C
Sample Received By: JH
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H19728-13	CELL #14 BACKGROUND	< 16
H19728-14	CELL #14 BACKGROUND	< 16
H19728-15	CELL #14 BACKGROUND	< 16
H19728-16	CELL #14 BACKGROUND	< 16
H19728-17	CELL #14 BACKGROUND	< 16
H19728-18	CELL #14 BACKGROUND	< 16
H19728-19	CELL #14 BACKGROUND	< 16
H19728-20	CELL #14 BACKGROUND	< 16
H19728-21	CELL #14 BACKGROUND	< 16
H19728-22	CELL #14 BACKGROUND	< 16
H19728-23	CELL #14 BACKGROUND	< 16
H19728-24	CELL #14 BACKGROUND	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H19728 T-N-T ENVIRO

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State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



April 10, 2014

Craig Schmitz
T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, New Mexico 87029

**RE: December 2013 Treatment and Vadose Zone Monitoring Report Review
T-n-T Environmental, Inc.
Permit NM1-008 (Evaporation Ponds and Landfarm)
Location: SE/4 of Section 7 and SW/4 of Section 8 (evaporation ponds) and the
SW/4 SE/4 and SE/4 NW/4 of Section 5 and NE/4 NW/4 of 8 (landfarm), Township
25 North, Range 3 West, NMPM, Rio Arriba County, New Mexico**

Dear Mr. Schmitz:

The Oil Conservation Division (OCD) has completed the review of T-n-T Environmental, Inc.'s (T-n-T) December 2013 Treatment and Vadose Zone Monitoring Report. The vadose zone results were not compared to the background results in order to determine if a release had occurred and if additional follow-up actions are required to be completed. The annual sampling did not include performing laboratory analysis for RCRA metals as specified in the permit. The five year vadose sampling event has not been implemented and demonstrated. Also, the incorrect test method for TPH was utilized and demonstrated in regards to vadose zone monitoring.

The December 2013 Treatment and Vadose Zone Monitoring Report annual sampling event did not include performing laboratory analysis for RCRA metals as specified in the permit. T-n-T's May 11, 2001 surface waste management facility permit (NM1-008) states "The soil samples must be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) quarterly and for major cations/anions and eight (8) RCRA heavy metals annually." The sampling check-off box coversheet did not identify metals as constituent tested and metals were not requested on the chain of custody record. Please perform the required analysis for all future annual sampling events to remain in compliance with the permit.

In regards to utilizing the proper TPH test method for vadose zone monitoring, in accordance with Paragraph (2) of 19.15.36.15.E NMAC the operator shall analyze the samples from the vadose zone "using the methods specified below for TPH, BTEX and chlorides and shall compare each result to the higher of the PQL or the background soil concentrations to determine

whether a release has occurred.” The “methods specified below for TPH, BTEX and chlorides” are those identified in Subsection F of 19.15.36.15 NMAC: such as “TPH, as determined by EPA method 418.1 or other EPA method approved by the division...” Pursuant to the Transitional Provisions of Subsection A of 19.15.36.20.NMAC, “Existing surface waste management facilities shall comply with the operational, waste acceptance and closure requirements provided in 19.15.36 NMAC, except as otherwise specifically provided in the applicable permit or order, or in a specific waiver, exception or agreement that the division has granted in writing to the particular surface waste management facility.” The most common vadose zone monitoring (commonly referred to, but incorrectly as “Treatment Zone Monitoring” within existing landfarm permits) condition in an existing landfarm permit is as follows: “The soil samples must be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) quarterly and for major cations/anions and eight (8) RCRA heavy metals annually.” The permit condition only identified the constituent and does not specify the test method. Part 36 specifies EPA Method 418.1 as the required vadose zone analyses for TPH. Please submit all future vadose zone sampling results demonstrating TPH by EPA Method 418.1.

In accordance with Paragraph (1) of 19.15.36.15.E NMAC, “The operator shall monitor the vadose zone beneath the treatment zone in each landfarm cell.” Pursuant to Paragraph (3) of 19.15.36.15.E NMAC, “The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.” OCD has reviewed the administrative file and has been unable to locate the five year vadose sampling demonstration. Part 36 became effective February 14, 2007. The five year sampling event is due, please provide. Regarding the five year sampling event, please do not perform laboratory analysis for all the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. As underlined in the above reference of Paragraph (1) of 19.15.36.15.E NMAC, the “methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC” are those identified in Subsection F of 19.15.36.15 NMAC: such as “determined by EPA SW-846 methods 6010B or 6020 or other EPA method approved by the division...” Please perform the five year monitoring program on all of the active landfarm cells and submit all future sampling results demonstrating compliance of Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020.

The December 2013 Treatment and Vadose Zone Monitoring Report only included the laboratory results from the sampling event. The requirements of Subsection E of 19.15.36.15 NMAC are clear that the operator “shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.” The rest of the vadose zone assessment was not completed to determine if a release has occurred and/or if the required additional testing and a response action plan of Paragraph (5) of 19.15.36.15.E NMAC are required. Please complete the required comparison assessment.


Please note that the submittal of treatment zone monitoring results alone does not constitute a request for a successive/additional lift. The permit condition specifies “Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of remediated soils.” OCD requires such request to be made under a separate cover from other reporting and

Mr. Schmitz
T-n-T Environmental, Inc.
Permit NM1-008
April 10, 2014
Page 3 of 3

include the supporting analytical results and an updated facility map that illustrates and identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained.

Please complete the required actions of 19.15.36.15.E NMAC and provide OCD with the sampling results compared to background or PQL within 45 days of receipt of this letter. Please perform the five year monitoring program on all of the active landfarm cells. Please submit future vadose zone sampling results demonstrating TPH by EPA Method 418.1 and compliance to Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020. As required in the permit, please perform laboratory analysis and submit the results for the "eight (8) RCRA heavy metals annually" for all future vadose zone sampling events. Also, please provide an updated facility map that identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a large, stylized flourish extending to the right.

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District III Office, Aztec

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

RECEIVED OCD

2014 JAN -9 P 3:27

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date 11-30-13

Date Sent 1-7-14

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, , , for TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, , , for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☒ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, , , for Major Cations and Anions. Due November 30th.

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1
Due May 31st

☐ Water Detected, _____

☐ No Water Detected

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3
Due May 31st

☐ Water Detected, _____

☐ No Water Detected

☐ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2
Due May 31st

☐ Water Detected, _____

☐ No Water Detected



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

December 03, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 11/21/13 10:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

RECEIVED OOD
2014 JAN - 9 12 3:24

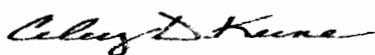
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
03-Dec-13 12:32

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TREATMENT CELL #1	H302845-01	Soil	19-Nov-13 09:00	21-Nov-13 10:10
TREATMENT CELL #2	H302845-02	Soil	19-Nov-13 09:15	21-Nov-13 10:10
TREATMENT CELL #3	H302845-03	Soil	19-Nov-13 09:30	21-Nov-13 10:10
TREATMENT CELL #4	H302845-04	Soil	19-Nov-13 09:45	21-Nov-13 10:10
TREATMENT CELL #5	H302845-05	Soil	19-Nov-13 10:00	21-Nov-13 10:10
TREATMENT CELL #6	H302845-06	Soil	19-Nov-13 10:15	21-Nov-13 10:10
TREATMENT CELL #7	H302845-07	Soil	19-Nov-13 10:30	21-Nov-13 10:10
TREATMENT CELL #8	H302845-08	Soil	19-Nov-13 10:45	21-Nov-13 10:10
TREATMENT CELL #9	H302845-09	Soil	19-Nov-13 11:00	21-Nov-13 10:10
TREATMENT CELL #10	H302845-10	Soil	19-Nov-13 11:15	21-Nov-13 10:10
TREATMENT CELL #11	H302845-11	Soil	19-Nov-13 11:30	21-Nov-13 10:10
TREATMENT CELL #12	H302845-12	Soil	19-Nov-13 11:45	21-Nov-13 10:10
TREATMENT CELL #13	H302845-13	Soil	19-Nov-13 12:00	21-Nov-13 10:10

Cardinal Laboratories

*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

TREATMENT CELL #1
H302845-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	336	16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	0.161	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	0.075	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	0.323	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	0.559	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	89.4-126	3112301	MS	23-Nov-13	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	917	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B

Surrogate: 1-Chlorooctane	87.8 %	65.2-140	3112115	MS	23-Nov-13	8015B
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Surrogate: 1-Chlorooctadecane	97.0 %	63.6-154	3112115	MS	23-Nov-13	8015B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

TREATMENT CELL #2
H302845-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	288		16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	0.074		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	0.078		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	0.412		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	0.564		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			126 %		89.4-126	3112301	MS	23-Nov-13	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	206		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	

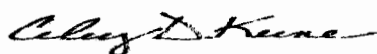
Surrogate: 1-Chlorooctane			98.0 %		65.2-140	3112115	MS	23-Nov-13	8015B	
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Surrogate: 1-Chlorooctadecane			94.9 %		63.6-154	3112115	MS	23-Nov-13	8015B	
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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #3

H302845-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	432	16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	ND	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	ND	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B
Surrogate: 4-Bromofluorobenzene (PID)	110 %	89.4-126		3112301	MS	23-Nov-13	8021B	

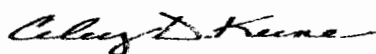
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	438	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
Surrogate: 1-Chlorooctane	91.3 %	65.2-140		3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane	95.4 %	63.6-154		3112115	MS	23-Nov-13	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #4

H302845-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Organic Compounds

TPH 418.1	10000		300	mg/kg	30	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	89.4-126		3112301	MS	23-Nov-13	8021B	

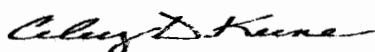
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	1690		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			102 %	65.2-140		3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			133 %	63.6-154		3112115	MS	23-Nov-13	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

TREATMENT CELL #5
H302845-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	352		16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	0.064		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	0.455		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	0.519		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B

Surrogate: 4-Bromofluorobenzene (PID)		126 %	89.4-126		3112301	MS	23-Nov-13	8021B
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Petroleum Hydrocarbons by GC FID
S-06

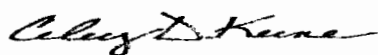
GRO C6-C10	ND		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	2770		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B

Surrogate: 1-Chlorooctane		109 %	65.2-140		3112115	MS	23-Nov-13	8015B
Surrogate: 1-Chlorooctadecane		163 %	63.6-154		3112115	MS	23-Nov-13	8015B

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

TREATMENT CELL #6
H302845-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	89.4-126		3112301	MS	23-Nov-13	8021B	

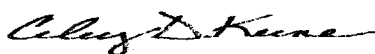
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	979		50.0	mg/kg	5	3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			105 %	65.2-140		3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			132 %	63.6-154		3112115	MS	23-Nov-13	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
03-Dec-13 12:32**TREATMENT CELL #7****H302845-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	ND	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	ND	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B
Surrogate: 4-Bromofluorobenzene (PID)		110 %	89.4-126		3112301	MS	23-Nov-13	8021B

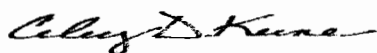
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	394	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
Surrogate: 1-Chlorooctane		108 %	65.2-140		3112115	MS	23-Nov-13	8015B
Surrogate: 1-Chlorooctadecane		111 %	63.6-154		3112115	MS	23-Nov-13	8015B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #8

H302845-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	340		16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B	
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Organic Compounds

TPH 418.1	2000		100	mg/kg	10	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	89.4-126		3112301	MS	23-Nov-13	8021B	

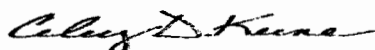
Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	555		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			96.5 %	65.2-140		3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			105 %	63.6-154		3112115	MS	23-Nov-13	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

TREATMENT CELL #9

H302845-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	480	16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Organic Compounds

TPH 418.1	2500	100	mg/kg	10	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	ND	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	ND	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	89.4-126	3112301	MS	23-Nov-13	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	191	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B


Surrogate: 1-Chlorooctane	100 %	65.2-140	3112115	MS	23-Nov-13	8015B
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Surrogate: 1-Chlorooctadecane	104 %	63.6-154	3112115	MS	23-Nov-13	8015B
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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #10

H302845-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B	
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Organic Compounds

TPH 418.1	2200		100	mg/kg	10	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	

Surrogate: 1-Bromofluorobenzene (PID)	109 %		89.4-126			3112301	MS	23-Nov-13	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	438		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane	106 %		65.2-140			3112115	MS	23-Nov-13	8015B	
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Surrogate: 1-Chlorooctadecane	110 %		63.6-154			3112115	MS	23-Nov-13	8015B	
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*=Accredited Analyte

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #11

H302845-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	368	16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Organic Compounds

TPH 418.1	1100	100	mg/kg	10	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	ND	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	ND	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	89.4-126	3112301	MS	23-Nov-13	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	139	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B

Surrogate: 1-Chlorooctane	101 %	65.2-140	3112115	MS	23-Nov-13	8015B
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Surrogate: 1-Chlorooctadecane	105 %	63.6-154	3112115	MS	23-Nov-13	8015B
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #12

H302845-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Organic Compounds

TPH 418.1	340		10.0	mg/kg	1	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	89.4-126		3112301	MS	23-Nov-13	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	35.2		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			108 %	65.2-140		3112115	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			113 %	63.6-154		3112115	MS	23-Nov-13	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

TREATMENT CELL #13

H302845-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	144	16.0	mg/kg	4	3112501	AP	26-Nov-13	4500-Cl-B
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Organic Compounds

TPH 418.1	230	10.0	mg/kg	1	3120304	CK	27-Nov-13	418.1	SUB-SS
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Toluene*	0.094	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Ethylbenzene*	0.052	0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total Xylenes*	0.320	0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B
Total BTEX	0.466	0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	89.4-126	3112301	MS	23-Nov-13	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B
DRO >C10-C28	26.7	10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B

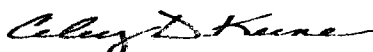
Surrogate: 1-Chlorooctane	101 %	65.2-140	3112115	MS	23-Nov-13	8015B
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Surrogate: 1-Chlorooctadecane	100 %	63.6-154	3112115	MS	23-Nov-13	8015B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3112501 - 1:4 DI Water
Blank (3112501-BLK1)

Prepared & Analyzed: 25-Nov-13

Chloride	ND	16.0	mg/kg
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LCS (3112501-BS1)

Prepared & Analyzed: 25-Nov-13

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (3112501-BSD1)

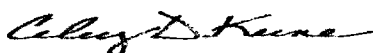
Prepared & Analyzed: 25-Nov-13

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 03-Dec-13 12:32

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3120304 - Solvent Extraction
Blank (3120304-BLK1)

Prepared & Analyzed: 27-Nov-13

TPH 418.1 ND 10.0 mg/kg

LCS (3120304-BS1)

Prepared & Analyzed: 27-Nov-13

TPH 418.1 76.0 mg L 82.0 92.7 80-120

LCS Dup (3120304-BSD1)

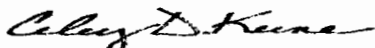
Prepared & Analyzed: 27-Nov-13

TPH 418.1 72.0 mg L 82.0 87.8 80-120 5.41 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

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
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Batch 3112301 - Volatiles

Blank (3112301-BLK1)

Prepared & Analyzed: 23-Nov-13

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)	0.0551		mg/kg	0.0500		110	89.4-126			

LCS (3112301-BS1)

Prepared & Analyzed: 23-Nov-13

Benzene	2.25	0.050	mg/kg	2.00		112	76.4-135			
Toluene	2.24	0.050	mg/kg	2.00		112	80.2-135			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	78.5-133			
Total Xylenes	6.48	0.150	mg/kg	6.00		108	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	89.4-126			

LCS Dup (3112301-BSD1)

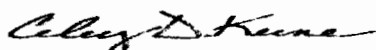
Prepared & Analyzed: 23-Nov-13

Benzene	2.25	0.050	mg/kg	2.00		112	76.4-135	0.185	16.4	
Toluene	2.22	0.050	mg/kg	2.00		111	80.2-135	0.952	16.6	
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	78.5-133	0.696	16.1	
Total Xylenes	6.43	0.150	mg/kg	6.00		107	80.1-135	0.809	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Page 18 of 22

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
03-Dec-13 12:32

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112115 - General Prep - Organics
Blank (3112115-BLK1)

Prepared: 21-Nov-13 Analyzed: 23-Nov-13

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	50.9		mg/kg	50.0		102	65.2-140			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	63.6-154			

LCS (3112115-BS1)

Prepared: 21-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	200	10.0	mg/kg	200		99.8	66.4-124			
DRO >C10-C28	203	10.0	mg/kg	200		102	61.6-132			
Total TPH C6-C28	403	10.0	mg/kg	400		101	69.7-122			
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	65.2-140			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	63.6-154			

LCS Dup (3112115-BSD1)

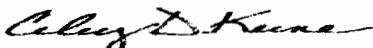
Prepared: 21-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	201	10.0	mg/kg	200		100	66.4-124	0.526	23.4	
DRO >C10-C28	200	10.0	mg/kg	200		99.8	61.6-132	1.71	23.1	
Total TPH C6-C28	400	10.0	mg/kg	400		100	69.7-122	0.593	20.6	
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	65.2-140			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	63.6-154			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

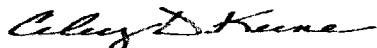
Notes and Definitions

SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 D. Keene, Lab Director/Quality Manager



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Client: T.N.T Environmental

Contact: Craig Schmitz

Address: Lindbergh

Phone Number: 505-320-2130

Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: Laid Farm

Sampler's Signature: _____

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
- 3 = Soil/Sediment, 4 = Prod. W., 5 = Oil
- 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # _____

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Analyses Required	Comments
								HNO3	HCL	H2SO4	NAOH	Other (Specify)		
H302845														
1. Freshwater catch #1	11-14-13	9:00	AS	3	1	N	✓					TPH #8015M		
2. " catch #2		9:15										TPH #418.1		
3. " catch #3		9:30										BTEX #8021B		
4. " catch #4		9:45										chloride sm4800cl-B		
5. " catch #5		10:00												
6. " catch #6		10:15												
7. " catch #7		10:30												
8. " catch #8		10:45												
9. " catch #9		10:00												
10. " catch #10		11:15												
Requisitioned by: <u>[Signature]</u> Date: <u>11-20-13</u> Time: <u>3:22</u> Received by: <u>[Signature]</u> Date: <u>11/20/13</u> Time: <u>13:25</u>														
Requisitioned by: <u>[Signature]</u> Date: <u>11/20/13</u> Time: <u>10:50</u> Received by: <u>[Signature]</u> Date: <u>11/20/13</u> Time: <u>10:50</u>														
Requisitioned by: <u>[Signature]</u> Date: <u>11/21/13</u> Time: <u>10:10</u> Received by: <u>[Signature]</u> Date: <u>11/21/13</u> Time: <u>10:10</u>														

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

5.9C stored
cold store

470.471



Page 2 of 2

GAL JOB #

Page 22 of 22



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

December 17, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 11/21/13 10:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 accredited 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.

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

RECEIVED 2013
2014 JAN - 9 PM 3:12

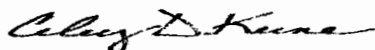
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
17-Dec-13 11:59

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VADOZE CELL #1	H302846-01	Soil	19-Nov-13 12:30	21-Nov-13 10:10
VADOZE CELL #2	H302846-02	Soil	19-Nov-13 12:45	21-Nov-13 10:10
VADOZE CELL #3	H302846-03	Soil	19-Nov-13 13:00	21-Nov-13 10:10
VADOZE CELL #4	H302846-04	Soil	19-Nov-13 13:15	21-Nov-13 10:10
VADOZE CELL #5	H302846-05	Soil	19-Nov-13 13:30	21-Nov-13 10:10
VADOZE CELL #6	H302846-06	Soil	19-Nov-13 13:45	21-Nov-13 10:10
VADOZE CELL #7	H302846-07	Soil	19-Nov-13 14:00	21-Nov-13 10:10
VADOZE CELL #8	H302846-08	Soil	19-Nov-13 14:15	21-Nov-13 10:10
VADOZE CELL 9	H302846-09	Soil	19-Nov-13 14:30	21-Nov-13 10:10
VADOZE CELL #10	H302846-10	Soil	19-Nov-13 14:45	21-Nov-13 10:10
VADOZE CELL #11	H302846-11	Soil	19-Nov-13 15:00	21-Nov-13 10:10
VADOZE CELL #12	H302846-12	Soil	19-Nov-13 15:15	21-Nov-13 10:10
VADOZE CELL #13	H302846-13	Soil	19-Nov-13 15:45	21-Nov-13 10:10

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #1 H302846-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	159		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	154		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.53		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	130		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126 3112301 MS 23-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 108 % 65.2-140 3112115 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 110 % 63.6-154 3112115 MS 23-Nov-13 8015B

Green Analytical Laboratories

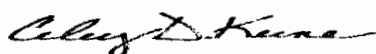
Total Metals by ICP

Calcium	3360		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4140		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2190		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #2 H302846-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	159		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	138		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.68		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	332		100	mg/kg	10	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	130		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	23-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126 3112301 MS 23-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112115	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 102 % 65.2-140 3112115 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 102 % 63.6-154 3112115 MS 23-Nov-13 8015B

Green Analytical Laboratories

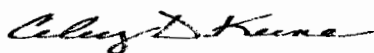
Total Metals by ICP

Calcium	3840		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4670		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2470		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #3 H302846-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	195		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	108		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.58		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	160		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.001	mg/kg	1	3112301	MS	23-Nov-13	8021B	
Toluene*	ND		0.001	mg/kg	1	3112301	MS	23-Nov-13	8021B	
Ethylbenzene*	ND		0.001	mg/kg	1	3112301	MS	23-Nov-13	8021B	
Total Xylenes*	ND		0.003	mg/kg	1	3112301	MS	23-Nov-13	8021B	
Total BTEX	ND		0.006	mg/kg	1	3112301	MS	23-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126 3112301 MS 23-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 104 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 102 % 63.6-154 3112207 MS 23-Nov-13 8015B

Green Analytical Laboratories

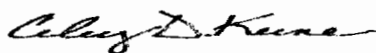
Total Metals by ICP

Calcium	4470		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	5600		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2540		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #4 H302846-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	203		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	158		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.36		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	167		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.001	mg/kg	1	3112301	MS	24-Nov-13	8021B	
Toluene*	ND		0.001	mg/kg	1	3112301	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.001	mg/kg	1	3112301	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.003	mg/kg	1	3112301	MS	24-Nov-13	8021B	
Total BTEX	ND		0.006	mg/kg	1	3112301	MS	24-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126 3112301 MS 24-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 106 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 105 % 63.6-154 3112207 MS 23-Nov-13 8015B

Green Analytical Laboratories

Total Metals by ICP

Calcium	3860		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4580		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2370		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #5 H302846-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	122		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	150		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.36		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	100		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112301	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112301	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112301	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112301	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112301	MS	24-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126 3112301 MS 24-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 104 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 104 % 63.6-154 3112207 MS 23-Nov-13 8015B

Green Analytical Laboratories

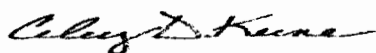
Total Metals by ICP

Calcium	4290		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	5100		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2550		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #6
H302846-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	122		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	184		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.27		0.100	pH Units	1	3121004	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	100		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126 3112302 MS 24-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 97.4 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154 3112207 MS 23-Nov-13 8015B

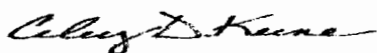
Green Analytical Laboratories
Total Metals by ICP

Calcium	3640		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4420		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2380		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #7 H302846-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	122		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	156		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.15		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	538		100	mg/kg	10	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	100		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	89.4-126		3112302	MS	24-Nov-13	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			108 %	65.2-140		3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			104 %	63.6-154		3112207	MS	23-Nov-13	8015B	

Green Analytical Laboratories

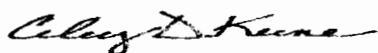
Total Metals by ICP

Calcium	3700		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4470		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2350		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #8 H302846-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	97.6		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	144		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.04		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	80.0		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	89.4-126		3112302	MS	24-Nov-13	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			99.4 %	65.2-140		3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			94.3 %	63.6-154		3112207	MS	23-Nov-13	8015B	

Green Analytical Laboratories

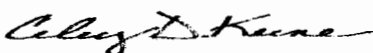
Total Metals by ICP

Calcium	3830		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4510		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2360		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL 9

H302846-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	220		20.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3120305	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	131		1.00	uS/cm	1	3121102	AP	12-Dec-13	120.1	
pH*	7.16		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	180		16.0	mg/kg	4	3120305	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126 3112302 MS 24-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 107 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 103 % 63.6-154 3112207 MS 23-Nov-13 8015B

Green Analytical Laboratories

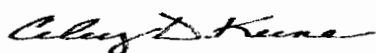
Total Metals by ICP

Calcium	4340		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	5060		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2470		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #10
H302846-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	254		20.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120204	AP	02-Dec-13	4500-Cl-B	
Conductivity*	126		1.00	uS/cm	1	3121103	AP	12-Dec-13	120.1	
pH*	7.24		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	ND		40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	208		16.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			113 %	89.4-126		3112302	MS	24-Nov-13	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			113 %	65.2-140		3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			109 %	63.6-154		3112207	MS	23-Nov-13	8015B	

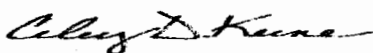
Green Analytical Laboratories
Total Metals by ICP

Calcium	3370		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	3940		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2040		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #11 H302846-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	215		20.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120205	AP	02-Dec-13	4500-Cl-B	
Conductivity*	128		1.00	uS/cm	1	3121103	AP	12-Dec-13	120.1	
pH*	7.21		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	340		100	mg/kg	10	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	176		16.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126 3112302 MS 24-Nov-13 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	

Surrogate: 1-Chlorooctane 104 % 65.2-140 3112207 MS 23-Nov-13 8015B

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154 3112207 MS 23-Nov-13 8015B

Green Analytical Laboratories

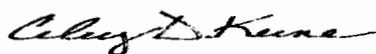
Total Metals by ICP

Calcium	3900		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4550		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2220		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #12
H302846-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	215		20.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	3121211	AP	12-Dec-13	310.1	
Chloride	ND		16.0	mg/kg	4	3120205	AP	02-Dec-13	4500-Cl-B	
Conductivity*	158		1.00	uS/cm	1	3121103	AP	12-Dec-13	120.1	
pH*	7.08		0.100	pH Units	1	3121205	AP	10-Dec-13	9045	
Sulfate	ND		100	mg/kg	10	3121208	AP	12-Dec-13	375.4	
Alkalinity, Total*	176		16.0	mg/kg	4	3121211	AP	12-Dec-13	310.1	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Toluene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Total BTEX	ND		0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			113 %	89.4-126		3112302	MS	24-Nov-13	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctane			86.9 %	65.2-140		3112207	MS	23-Nov-13	8015B	
Surrogate: 1-Chlorooctadecane			83.7 %	63.6-154		3112207	MS	23-Nov-13	8015B	

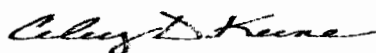
Green Analytical Laboratories
Total Metals by ICP

Calcium	3730		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Magnesium	4430		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Potassium	2300		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

VADOZE CELL #13 H302846-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	254	20.0	mg/kg	4	3121211	AP	12-Dec-13	310.1		
Alkalinity, Carbonate	ND	4.00	mg/kg	4	3121211	AP	12-Dec-13	310.1		
Chloride	ND	16.0	mg/kg	4	3120205	AP	02-Dec-13	4500-Cl-B		
Conductivity*	128	1.00	uS/cm	1	3121103	AP	12-Dec-13	120.1		
pH*	7.08	0.100	pH Units	1	3121205	AP	10-Dec-13	9045		
Sulfate	ND	40.0	mg/kg	4	3121208	AP	12-Dec-13	375.4		
Alkalinity, Total*	208	16.0	mg/kg	4	3121211	AP	12-Dec-13	310.1		

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B		
Toluene*	ND	0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B		
Ethylbenzene*	ND	0.050	mg/kg	50	3112302	MS	24-Nov-13	8021B		
Total Xylenes*	ND	0.150	mg/kg	50	3112302	MS	24-Nov-13	8021B		
Total BTEX	ND	0.300	mg/kg	50	3112302	MS	24-Nov-13	8021B		
Surrogate: 4-Bromofluorobenzene (PID)		111 %	89.4-126		3112302	MS	24-Nov-13	8021B		

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B		
DRO >C10-C28	ND	10.0	mg/kg	1	3112207	MS	23-Nov-13	8015B		
Surrogate: 1-Chlorooctane		112 %	65.2-140		3112207	MS	23-Nov-13	8015B		
Surrogate: 1-Chlorooctadecane		114 %	63.6-154		3112207	MS	23-Nov-13	8015B		

Green Analytical Laboratories

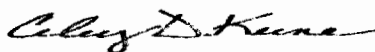
Total Metals by ICP

Calcium	3430	100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B		
Magnesium	4090	100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B		
Potassium	2140	100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B		
Sodium	ND	100	mg/kg dry	100	B312024	JGS	05-Dec-13	EPA6010 B		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 17-Dec-13 11:59

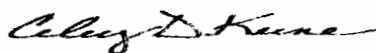
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3120204 - 1:4 DI Water										
Blank (3120204-BLK1)				Prepared & Analyzed: 02-Dec-13						
Chloride	ND	16.0	mg/kg							
LCS (3120204-BS1)				Prepared & Analyzed: 02-Dec-13						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3120204-BSD1)				Prepared & Analyzed: 02-Dec-13						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
Batch 3120205 - 1:4 DI Water										
Blank (3120205-BLK1)				Prepared & Analyzed: 02-Dec-13						
Chloride	ND	16.0	mg/kg							
LCS (3120205-BS1)				Prepared & Analyzed: 02-Dec-13						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3120205-BSD1)				Prepared & Analyzed: 02-Dec-13						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 3120305 - General Prep - Wet Chem										
Blank (3120305-BLK1)				Prepared & Analyzed: 03-Dec-13						
Alkalinity, Carbonate	ND	0.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	4.00	4.00	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3120305 - General Prep - Wet Chem
LCS (3120305-BS1)

Prepared & Analyzed: 03-Dec-13

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
Alkalinity, Bicarbonate	130	5.00	mg/kg				80-120			
Alkalinity, Total	108	4.00	mg/kg	100		108	80-120			

LCS Dup (3120305-BSD1)

Prepared & Analyzed: 03-Dec-13

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	131	5.00	mg/kg				80-120	0.766	20	
Alkalinity, Total	108	4.00	mg/kg	100		108	80-120	0.00	20	

Batch 3121004 - NO PREP
LCS (3121004-BS1)

Prepared & Analyzed: 10-Dec-13

pH	7.18		pH Units	7.00		103	90-110			
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Duplicate (3121004-DUP1)

Source: H302957-11

Prepared & Analyzed: 10-Dec-13

pH	8.45	0.100	pH Units	8.43				0.237	20	
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Batch 3121102 - General Prep - Wet Chem
LCS (3121102-BS1)

Prepared: 11-Dec-13 Analyzed: 12-Dec-13

Conductivity	462		uS/cm	500		92.4	80-120			
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Duplicate (3121102-DUP1)

Source: H302846-01

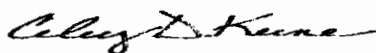
Prepared: 11-Dec-13 Analyzed: 12-Dec-13

Conductivity	154	1.00	uS/cm	154				0.130	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3121103 - General Prep - Wet Chem

LCS (3121103-BS1) Prepared: 11-Dec-13 Analyzed: 12-Dec-13

Conductivity	465		uS/cm	500		93.0	80-120			
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Duplicate (3121103-DUP1) Source: H302846-10 Prepared: 11-Dec-13 Analyzed: 12-Dec-13

Conductivity	126	1.00	uS/cm		126			0.0795	20	
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Batch 3121205 - NO PREP

LCS (3121205-BS1) Prepared: 10-Dec-13 Analyzed: 12-Dec-13

pH	7.11		pH Units	7.00		102	90-110			
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Duplicate (3121205-DUP1) Source: H302846-07 Prepared: 10-Dec-13 Analyzed: 12-Dec-13

pH	7.17	0.100	pH Units		7.15			0.279	20	
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Batch 3121208 - General Prep - Wet Chem

Blank (3121208-BLK1) Prepared & Analyzed: 12-Dec-13

Sulfate	ND	10.0	mg/kg							
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LCS (3121208-BS1) Prepared & Analyzed: 12-Dec-13

Sulfate	18.9	10.0	mg/kg	20.0		94.7	80-120			
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LCS Dup (3121208-BSD1) Prepared & Analyzed: 12-Dec-13

Sulfate	18.9	10.0	mg/kg	20.0		94.5	80-120	0.211	20	
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Batch 3121211 - General Prep - Wet Chem

Blank (3121211-BLK1) Prepared & Analyzed: 12-Dec-13

Alkalinity, Carbonate	ND	0.00	mg/kg							
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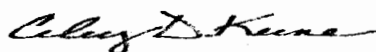
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
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Alkalinity, Total	4.00	4.00	mg/kg							
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 17-Dec-13 11:59

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3121211 - General Prep - Wet Chem
LCS (3121211-BS1)

Prepared & Analyzed: 12-Dec-13

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
Alkalinity, Bicarbonate	132	5.00	mg/kg				80-120			
Alkalinity, Total	108	4.00	mg/kg	100		108	80-120			

LCS Dup (3121211-BS1)

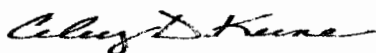
Prepared & Analyzed: 12-Dec-13

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	4.65	20	
Alkalinity, Total	104	4.00	mg/kg	100		104	80-120	3.77	20	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:58

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
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Batch 3112301 - Volatiles
Blank (3112301-BLK1)

Prepared & Analyzed: 23-Nov-13

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)	0.0551		mg/kg	0.0500		110	89.4-126			

LCS (3112301-BS1)

Prepared & Analyzed: 23-Nov-13

Benzene	2.25	0.050	mg/kg	2.00		112	76.4-135			
Toluene	2.24	0.050	mg/kg	2.00		112	80.2-135			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	78.5-133			
Total Xylenes	6.48	0.150	mg/kg	6.00		108	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	89.4-126			

LCS Dup (3112301-BSD1)

Prepared & Analyzed: 23-Nov-13

Benzene	2.25	0.050	mg/kg	2.00		112	76.4-135	0.185	16.4	
Toluene	2.22	0.050	mg/kg	2.00		111	80.2-135	0.952	16.6	
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	78.5-133	0.696	16.1	
Total Xylenes	6.43	0.150	mg/kg	6.00		107	80.1-135	0.809	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	89.4-126			

Batch 3112302 - Volatiles
Blank (3112302-BLK1)

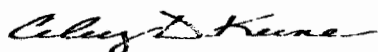
Prepared: 23-Nov-13 Analyzed: 24-Nov-13

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)	0.0545		mg/kg	0.0500		109	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
17-Dec-13 11:59**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
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Batch 3112302 - Volatiles**LCS (3112302-BS1)**

Prepared: 23-Nov-13 Analyzed: 24-Nov-13

Benzene	2.10	0.050	mg/kg	2.00		105	76.4-135			
Toluene	2.07	0.050	mg/kg	2.00		103	80.2-135			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	78.5-133			
Total Xylenes	6.09	0.150	mg/kg	6.00		101	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0548		mg/kg	0.0500		110	89.4-126			

LCS Dup (3112302-BS1)

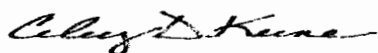
Prepared: 23-Nov-13 Analyzed: 24-Nov-13

Benzene	2.05	0.050	mg/kg	2.00		103	76.4-135	2.47	16.4	
Toluene	2.03	0.050	mg/kg	2.00		102	80.2-135	1.65	16.6	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	78.5-133	3.71	16.1	
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	80.1-135	3.20	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: NOT GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
17-Dec-13 11:59

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112115 - General Prep - Organics
Blank (3112115-BLK1)

Prepared: 21-Nov-13 Analyzed: 23-Nov-13

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	50.9		mg/kg	50.0		102	65.2-140			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	63.6-154			

LCS (3112115-BS1)

Prepared: 21-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	200	10.0	mg/kg	200		99.8	66.4-124			
DRO >C10-C28	203	10.0	mg/kg	200		102	61.6-132			
Total TPH C6-C28	403	10.0	mg/kg	400		101	69.7-122			
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	65.2-140			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	63.6-154			

LCS Dup (3112115-BSD1)

Prepared: 21-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	201	10.0	mg/kg	200		100	66.4-124	0.526	23.4	
DRO >C10-C28	200	10.0	mg/kg	200		99.8	61.6-132	1.71	23.1	
Total TPH C6-C28	400	10.0	mg/kg	400		100	69.7-122	0.593	20.6	
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	65.2-140			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	63.6-154			

Batch 3112207 - General Prep - Organics
Blank (3112207-BLK1)

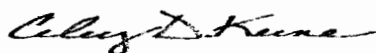
Prepared: 22-Nov-13 Analyzed: 23-Nov-13

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	52.0		mg/kg	50.0		104	65.2-140			
Surrogate: 1-Chlorooctadecane	50.8		mg/kg	50.0		102	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 17-Dec-13 11:59

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3112207 - General Prep - Organics
LCS (3112207-BS1)

Prepared: 22-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	193	10.0	mg/kg	200		96.5	66.4-124			
DRO >C10-C28	194	10.0	mg/kg	200		97.2	61.6-132			
Total TPH C6-C28	387	10.0	mg/kg	400		96.8	69.7-122			
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	65.2-140			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	63.6-154			

LCS Dup (3112207-BSD1)

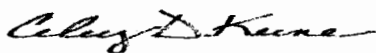
Prepared: 22-Nov-13 Analyzed: 23-Nov-13

GRO C6-C10	188	10.0	mg/kg	200		94.1	66.4-124	2.46	23.4	
DRO >C10-C28	183	10.0	mg/kg	200		91.3	61.6-132	6.27	23.1	
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	69.7-122	4.36	20.6	
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	65.2-140			
Surrogate: 1-Chlorooctadecane	48.4		mg/kg	50.0		96.8	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: NOT GIVEN
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 17-Dec-13 11:59

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
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Batch B312024 - EPA 3050
Blank (B312024-BLK1)

Prepared: 03-Dec-13 Analyzed: 04-Dec-13

Magnesium	ND	1.00	mg/kg dry							
Potassium	ND	1.00	mg/kg dry							
Calcium	ND	1.00	mg/kg dry							
Sodium	ND	1.00	mg/kg dry							

LCS (B312024-BS1)

Prepared: 03-Dec-13 Analyzed: 04-Dec-13

Calcium	3.68	1.00	mg/kg dry	4.00		92.1	85-115			
Magnesium	19.0	1.00	mg/kg dry	20.0		94.9	85-115			
Potassium	7.45	1.00	mg/kg dry	8.00		93.2	85-115			
Sodium	5.90	1.00	mg/kg dry	6.48		91.0	85-115			

LCS Dup (B312024-BSD1)

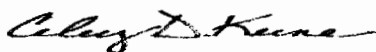
Prepared: 03-Dec-13 Analyzed: 04-Dec-13

Magnesium	18.9	1.00	mg/kg dry	20.0		94.7	85-115	0.186	20	
Sodium	5.83	1.00	mg/kg dry	6.48		89.9	85-115	1.23	20	
Calcium	3.65	1.00	mg/kg dry	4.00		91.3	85-115	0.916	20	
Potassium	7.43	1.00	mg/kg dry	8.00		92.8	85-115	0.358	20	

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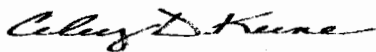
Celey D. Keene, Lab Director/Quality Manager

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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-ART ENVIRONMENTAL INC

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod. W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Contact: CRAIG SCHMIDT

Address: LINDSEY

Phone Number: 5205-3200 2130

Email: _____

Project Name: LADD FARM

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories

(970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

www.greenanalytical.com

Analyses Required

3.8°C storage
col. 5 for 24h

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	Preservative(s)					Other (Specify)	Analyses Required	Comments
								HNO3	HCL	H2SO4	NAOH				
H3008440	11/19/13	12:30pm	TL	3	2	N	✓						TPH 8015M BTEX 8021B CHLORIDE 5M4500C1-B MAJOR CATIONS/ANIONS		
1. VADOTEC BCL															
2. 11" #2		12:45	TL												
3. #3		1:00													
4. #4		1:15													
5. #5		1:30													
6. #6		1:45													
7. #7		2:00													
8. #8		2:15													
9. #9		2:30													
10. #10		2:45													
Relinquished by: <u>[Signature]</u> Date: <u>11-20-13</u> Time: <u>3:00</u> Received by: <u>[Signature]</u> Date: <u>11-20-13</u> Time: <u>3:22</u>															
Relinquished by: <u>[Signature]</u> Date: <u>11-20-13</u> Time: <u>16:58</u> Received by: <u>[Signature]</u> Date: <u>11-21-13</u> Time: <u>16:10</u>															

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

4:00 PM 11/21/13



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Client: TRT ENVIRONMENTAL

Contact: CRAIG SCHMITZ

Address: LIVERTH

Phone Number: 505-320-2130

Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: ROAD FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod. W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

Project Name: ROAD FARM

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Analyses Required

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Comments
								HNO3	HCL	H2SO4	NAOH	Other (Specify)	
1. <u>WADZECHE #11</u>	<u>11/19/13</u>	<u>3:00</u>	<u>TL</u>	<u>3</u>	<u>1</u>	<u>✓</u>	<u>✓</u>						
2. <u>#12</u>	<u>11/19/13</u>	<u>3:15</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>						
3. <u>#13</u>	<u>11/19/13</u>	<u>3:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>						
4.													
5.													
6.													
7.													
8.													
9.													
10.													
Relinquished by: <u>[Signature]</u>				Date: <u>11/20/13</u>	Time: <u>3:22</u>	Received by: <u>[Signature]</u>							Date: <u>11/20/13</u> Time: <u>15:22</u>
Relinquished by: <u>[Signature]</u>				Date: <u>11/20/13</u>	Time: <u>10:50</u>	Received by: <u>[Signature]</u>							Date: <u>11/20/13</u> Time: <u>14:50</u>
Relinquished by: _____				Date: _____	Time: _____	Received by: <u>[Signature]</u>							Date: <u>11/21/13</u> Time: <u>10:10</u>

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

4.0°C #54

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

RECEIVED OOD
JUN 20 2013

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date May 31st 2013

Date Sent June 20 2013

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, for TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☐ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells _____, for Major Cations and Anions. Due November 30th.

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1
Due May 31st

☒ Water Detected, Working with Brandon on Fixing The problem

☐ No Water Detected

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3
Due May 31st

☐ Water Detected, _____

☒ No Water Detected

☒ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2
Due May 31st

☒ Water Detected, Working with Brandon on Fixing problem

☐ No Water Detected

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #13 (H301269-26)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2013	ND	2.11	105	2.00	14.1		
Toluene*	0.062	0.050	06/06/2013	ND	1.90	94.8	2.00	14.7		
Ethylbenzene*	<0.050	0.050	06/06/2013	ND	2.00	100	2.00	17.2		
Total Xylenes*	<0.150	0.150	06/06/2013	ND	5.86	97.7	6.00	15.8		
Total BTEX	<0.300	0.300	06/06/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 122 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	<10.0	10.0	06/04/2013	ND	203	102	200	4.06	

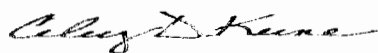
Surrogate: 1-Chlorooctane 74.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 69.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #12 (H301269-25)
BTEX 8021B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/06/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/06/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/06/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/06/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 125 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS
S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/05/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	<10.0	10.0	06/05/2013	ND	203	102	200	4.06	

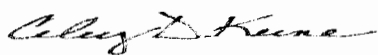
Surrogate: 1-Chlorooctane 45.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 44.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #11 (H301269-24)

BTEX 8021B		mg/kg		Analyzed By: DW				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/06/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/06/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/06/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/06/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 130 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	12.2	10.0	06/04/2013	ND	203	102	200	4.06	


Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.8 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #10 (H301269-23)

BTEx 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1		
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7		
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2		
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8		
Total BTEX	<0.300	0.300	06/04/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	<10.0	10.0	06/04/2013	ND	203	102	200	4.06	

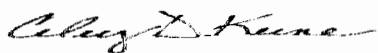
Surrogate: 1-Chlorooctane 76.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 66.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #9 (H301269-22)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	14.1	10.0	06/04/2013	ND	203	102	200	4.06	

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #8 (H301269-21)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	12.5	10.0	06/04/2013	ND	203	102	200	4.06	


Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #7 (H301269-20)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	11.5	10.0	06/04/2013	ND	203	102	200	4.06	

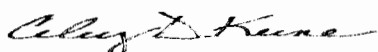
Surrogate: 1-Chlorooctane 71.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 69.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #6 (H301269-19)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	22.7	10.0	06/04/2013	ND	203	102	200	4.06	

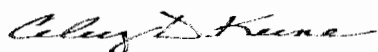
Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #5 (H301269-18)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/07/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	<10.0	10.0	06/07/2013	ND	203	102	200	4.06	

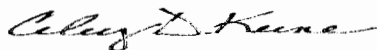
Surrogate: 1-Chlorooctane 94.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #4 (H301269-17)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 98.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	13.5	10.0	06/04/2013	ND	203	102	200	4.06	

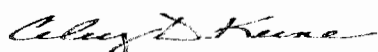
Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.0 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #3 (H301269-16)
BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	10.9	10.0	06/04/2013	ND	203	102	200	4.06	

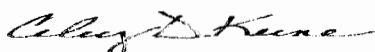
Surrogate: 1-Chlorooctane 77.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #2 (H301269-15)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	197	98.6	200	4.03	
DRO >C10-C28	11.9	10.0	06/04/2013	ND	203	102	200	4.06	

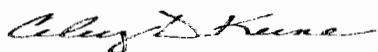
Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #1 (H301269-14)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	12.2	10.0	06/04/2013	ND	211	105	200	3.88	

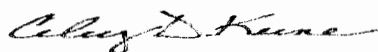
Surrogate: 1-Chlorooctane 80.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #13 (H301269-13)

BTX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	0.138	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	0.276	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTX	0.415	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 126 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	89.7	10.0	06/04/2013	ND	211	105	200	3.88	

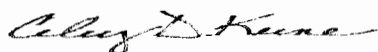
Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #12 (H301269-12)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	2540	10.0	06/04/2013	ND	211	105	200	3.88	

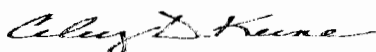
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #11 (H301269-11)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	397	10.0	06/04/2013	ND	211	105	200	3.88	

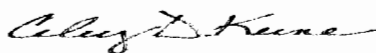
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #10 (H301269-10)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	1690	10.0	06/04/2013	ND	211	105	200	3.88	

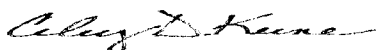
Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #9 (H301269-09)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	1340	10.0	06/04/2013	ND	211	105	200	3.88	

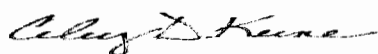
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #8 (H301269-08)
BTEX 8021B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.11	105	2.00	14.1	
Toluene*	<0.050	0.050	06/04/2013	ND	1.90	94.8	2.00	14.7	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.00	100	2.00	17.2	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	5.86	97.7	6.00	15.8	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	242	10.0	06/04/2013	ND	211	105	200	3.88	

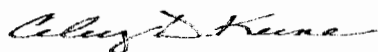
Surrogate: 1-Chlorooctane 95.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #7 (H301269-07)
BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.41	120	2.00	5.01	
Toluene*	<0.050	0.050	06/04/2013	ND	2.16	108	2.00	4.29	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.34	117	2.00	4.27	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	6.58	110	6.00	4.09	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 84.7 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2100	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2013	ND	207	103	200	2.24	
DRO >C10-C28	4810	10.0	06/04/2013	ND	211	105	200	3.88	

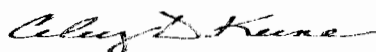
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 211 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #6 (H301269-06)
BTEX 8021B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.41	120	2.00	5.01	
Toluene*	<0.050	0.050	06/04/2013	ND	2.16	108	2.00	4.29	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.34	117	2.00	4.27	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	6.58	110	6.00	4.09	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 89.4 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS
S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2013	ND	207	103	200	2.24	
DRO >C10-C28	10100	10.0	06/03/2013	ND	211	105	200	3.88	

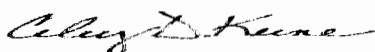
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 442 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #5 (H301269-05)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2013	ND	2.41	120	2.00	5.01	
Toluene*	<0.050	0.050	06/04/2013	ND	2.16	108	2.00	4.29	
Ethylbenzene*	<0.050	0.050	06/04/2013	ND	2.34	117	2.00	4.27	
Total Xylenes*	<0.150	0.150	06/04/2013	ND	6.58	110	6.00	4.09	
Total BTEX	<0.300	0.300	06/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 88.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/03/2013	ND	207	103	200	2.24		
DRO >C10-C28	3960	10.0	06/03/2013	ND	211	105	200	3.88		

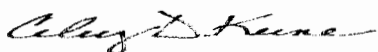
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 209 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #4 (H301269-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2013	ND	2.29	114	2.00	5.21	
Toluene*	<0.050	0.050	06/03/2013	ND	2.07	103	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/03/2013	ND	2.27	113	2.00	5.18	
Total Xylenes*	<0.150	0.150	06/03/2013	ND	6.53	109	6.00	4.30	
Total BTEX	<0.300	0.300	06/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/03/2013	ND	207	103	200	2.24		
DRO >C10-C28	3040	10.0	06/03/2013	ND	211	105	200	3.88		

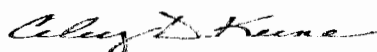
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 165 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #3 (H301269-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2013	ND	2.29	114	2.00	5.21	
Toluene*	0.211	0.050	06/03/2013	ND	2.07	103	2.00	5.16	
Ethylbenzene*	0.152	0.050	06/03/2013	ND	2.27	113	2.00	5.18	
Total Xylenes*	2.52	0.150	06/03/2013	ND	6.53	109	6.00	4.30	
Total BTEX	2.89	0.300	06/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 126 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	31.1	10.0	06/03/2013	ND	207	103	200	2.24		
DRO >C10-C28	5010	10.0	06/03/2013	ND	211	105	200	3.88		

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 194 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2013
Reported: 06/07/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #2 (H301269-02)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2013	ND	2.29	114	2.00	5.21	
Toluene*	0.074	0.050	06/03/2013	ND	2.07	103	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/03/2013	ND	2.27	113	2.00	5.18	
Total Xylenes*	3.28	0.150	06/03/2013	ND	6.53	109	6.00	4.30	
Total BTEX	3.36	0.300	06/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 138 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	27.7	10.0	06/03/2013	ND	207	103	200	2.24	
DRO >C10-C28	419	10.0	06/03/2013	ND	211	105	200	3.88	

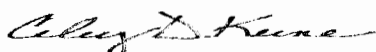
Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 05/30/2013
 Reported: 06/07/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #1 (H301269-01)
BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2013	ND	2.29	114	2.00	5.21	
Toluene*	<0.050	0.050	06/03/2013	ND	2.07	103	2.00	5.16	
Ethylbenzene*	<0.050	0.050	06/03/2013	ND	2.27	113	2.00	5.18	
Total Xylenes*	<0.150	0.150	06/03/2013	ND	6.53	109	6.00	4.30	
Total BTEX	<0.300	0.300	06/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/03/2013	ND	432	108	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2013	ND	209	104	200	1.90	
DRO >C10-C28	530	10.0	05/31/2013	ND	224	112	200	1.10	

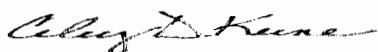
Surrogate: 1-Chlorooctane 93.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 whatsoever 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 liable for incidental or consequential damages, 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 performance of the services hereunder by Cardinal, regardless of whether such 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.



Celey D. Keene, Lab Director/Quality Manager



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

June 07, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 05/30/13 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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



CHAIN OF CUSTODY RECORD

Page 2 of 3

Client: T-U-T Enviro.
 Contact: _____
 Address: _____
 Phone Number: _____
 Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: Land Farm

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227										Analyses Required										Comments			
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com																							
Sample ID	Collection		Miscellaneous				Preservative(s)																
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)											
H301269													TPH 8015M										
11. 1. Treatment Cell #1	5-28-13	11:30	CS	3	1	N	X						X	X	X								
12. 2. #12	↓	11:45	↓	↓	↓	↓	↓						X	X	X								
13. 3. #13	↓	12:00	↓	↓	↓	↓	↓						X	X	X								
14. 4. #14																							
15. 5. Vodoze Cell #1	5-28-13	12:30	CS	3	1	N	X						X	X	X								
16. 6. #2	↓	12:45	↓	↓	↓	↓	↓						↓	↓	↓								
17. 7. #3	↓	1:00	↓	↓	↓	↓	↓						↓	↓	↓								
18. 8. #4	↓	1:15	↓	↓	↓	↓	↓						↓	↓	↓								
19. 9. #5	↓	1:30	↓	↓	↓	↓	↓						↓	↓	↓								
10. 10. #6	↓	1:45	↓	↓	↓	↓	↓						↓	↓	↓								
Relinquished by: _____			Date: 5-29-13				Time: 14:50				Received by: _____				Date: 5/29/13				Time: 1450				
Relinquished by: _____			Date: _____				Time: _____				Received by: _____				Date: 5/30/13				Time: 10:30				

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20 #54



CHAIN OF CUSTODY RECORD

Page 3 of 3

Client: T-N-T Enviro.
 Contact: _____
 Address: _____
 Phone Number: _____
 Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: Lead Form

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com		Analyses Required										Comments				
Sample ID	Collection		Miscellaneous			Preservative(s)					TPH 8015	BTEx 8021B	Chloride							
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4										
H301269																				
20. 1. Vadozicell #7	5-29-13	2:00	CS	3	1	N	X						X	X	X					
21. #8		2:15																		
22. #9		2:30																		
23. #10		2:45																		
24. #11		3:00																		
25. #12		3:15																		
26. #13		3:30																		
8.																				
9.																				
10.																				
Relinquished by: _____			Date: 5-29-13	Time: 14:50	Received by: <u>Christine Clam</u>			Date: 5/29/13	Time: 14:50											
Relinquished by: _____			Date: _____	Time: _____	Received by: <u>Jodi Benson</u>			Date: 5/30/13	Time: 10:30											

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20 #54



CHAIN OF CUSTODY RECORD

Page 1 of 3

Client: T-N-T Enviro.
 Contact: Craig Schmitz
 Address: 17CR 74 Box 112
Lindrih N.M. 87029
 Phone Number: 505-320-2130
 Email: Schmitzen1@yahoo.com

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: Land Form

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com		Analyses Required										Comments	
Sample ID	Collection		Miscellaneous			Preservative(s)					TPH 5015M	BTX 8012B	Chloride				
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4				NAOH	Other (Specify)		
H301269																	
1. Treat Front Cell #1	5-28-13	9:00AM	OS	3	1	N	X										
2. Cell #2	11-1	9:15AM															
3. Cell #3		9:30															
4. #4		9:45															
5. #5		10:00															
6. #6		10:15															
7. #7		10:30															
8. #8		10:45															
9. #9		10:00															
10. #10		11:15															
Relinquished by: <u>[Signature]</u>			Date: <u>5-29-13</u>			Time: <u>14:50</u>			Received by: <u>[Signature]</u>			Date: <u>5/29/13</u>			Time: <u>19:50</u>		
Relinquished by: <u>[Signature]</u>			Date: <u>5-29-13</u>			Time: <u>14:50</u>			Received by: <u>[Signature]</u>			Date: <u>5/30/13</u>			Time: <u>10:30</u>		

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20 #54

August 26, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 10:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

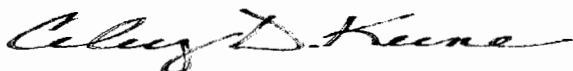
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #1A (H301989-01)

BTEx 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267	
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16	
Total BTEx	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

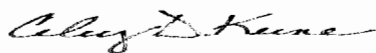
Surrogate: 1-Chlorooctane 81.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #2A (H301989-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267		
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16		
Total BTEX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64		
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21		

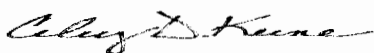
Surrogate: 1-Chlorooctane 78.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #3A (H301989-03)

BTX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267		
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16		
Total BTX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

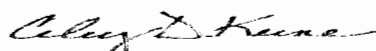
Surrogate: 1-Chlorooctane 67.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 71.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #4A (H301989-04)

BTX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267		
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16		
Total BTX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 89.4-126

Chloride, SM4500CL-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

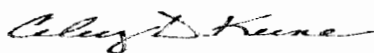
Surrogate: 1-Chlorooctane 83.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.7 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #5A (H301989-05)

BTEx 8021B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267		
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16		
Total BTEx	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

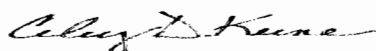
Surrogate: 1-Chlorooctane 80.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #6A (H301989-06)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267	
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

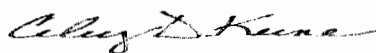
Surrogate: 1-Chlorooctane 68.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 76.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #7A (H301989-07)
BTEX 8021B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267	
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 98.9 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

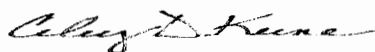
Surrogate: 1-Chlorooctane 85.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #8A (H301989-08)

BTEx 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267	
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16	
Total BTEx	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	194	97.1	200	5.21	

Surrogate: 1-Chlorooctane 85.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #9A (H301989-09)

BTEx 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	2.22	111	2.00	0.267	
Toluene*	<0.050	0.050	08/24/2013	ND	2.24	112	2.00	0.586	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.31	116	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	7.01	117	6.00	1.16	
Total BTEx	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

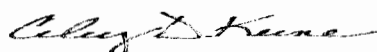
Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #10A (H301989-10)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

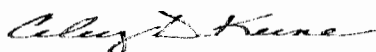
Surrogate: 1-Chlorooctane 96.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #11A (H301989-11)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35		
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07		
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607		
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05		
Total BTX	<0.300	0.300	08/25/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

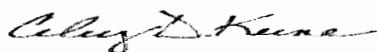
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #12A (H301989-12)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

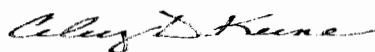
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #13A (H301989-13)

BTEx 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35		
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07		
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607		
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05		
Total BTEx	<0.300	0.300	08/25/2013	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

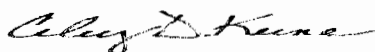
Surrogate: 1-Chlorooctane 93.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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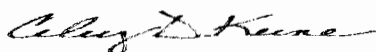
Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Page 16 of 17

Client: T-NT ENVIRO
Contact: CRAIG SCHMITZ
Address: 70 QJTD RD
LINDRITH N.M. 87029
Phone Number: 505-320-2130
Email: Schmitzent@yahoo.com

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: LAND FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Analyses Required										Comments	
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com													
Sample ID	Collection	Miscellaneous	Preservative(s)										
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)	
H301989													
1. VALOZECCELL #1A	8-19-13	12:30 PM	T.S	3	1	N	V						
2. #2A		12:45 PM											
3. #3A		1:00 PM											
4. #4A		1:15 PM											
5. #5A		1:30 PM											
6. #6A		1:45 PM											
7. #7A		2:00 PM											
8. #8A		2:15 PM											
9. #9A		2:30 PM											
10. #10A		2:45 PM											
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>12:55 PM</u>	Received by: <u>Charles Clark</u>			Date: <u>8/20/13</u>	Time: <u>1255</u>				
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>1000</u>	Received by: <u>ACTEX Fed Ex</u>			Date: <u>8/20/13</u>	Time: <u>1100</u>				

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

Jodi Henson

2.80
HNO3

8/21/13
#41



CHAIN OF CUSTODY RECORD

Page 2 of 2

Page 17 of 17

Client: T-MT ENVIRO
 Contact: CRAIG SCHMITZ
 Address: _____
 Phone Number: 505-320-2130
 Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: LAND FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com		Analyses Required										Comments	
Sample ID	Collection		Collected by: (Init.)	Miscellaneous			Preservative(s)					PH	BTEX	Chlorides	4500 Cl-B		
	Date	Time		Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH						Other (Specify)
H301989																	
1. VADOZE CELL 11A	8-19-13	3:00PM	TS	3	1	N	✓										
2. #12A	↓	3:15PM	↓	↓	↓	↓	↓										
3. #13A	↓	3:30PM	↓	↓	↓	↓	↓										
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Relinquished by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>12:55</u>	Received by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>1255</u>
Relinquished by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>1600</u>

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

Jodi Henson 8/21/13 10:05
7.80 #54



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

August 26, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 10:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #1B (H301990-01)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/25/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

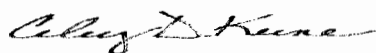
Surrogate: 1-Chlorooctane 98.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #2B (H301990-02)

BTEX 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35		
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07		
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607		
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05		
Total BTEX	<0.300	0.300	08/25/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

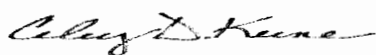
Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #3B (H301990-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/25/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

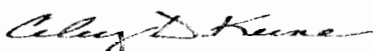
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/26/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #4B (H301990-04)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2013	ND	2.18	109	2.00	2.35		
Toluene*	<0.050	0.050	08/25/2013	ND	2.25	113	2.00	1.07		
Ethylbenzene*	<0.050	0.050	08/25/2013	ND	2.36	118	2.00	0.607		
Total Xylenes*	<0.150	0.150	08/25/2013	ND	7.21	120	6.00	1.05		
Total BTEX	<0.300	0.300	08/25/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

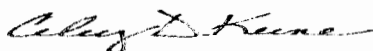
Surrogate: 1-Chlorooctane 95.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #5B (H301990-05)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEx	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

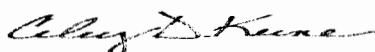
Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #6B (H301990-06)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

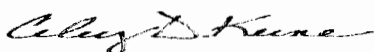
Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #7B (H301990-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #8B (H301990-08)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

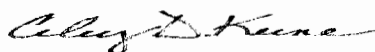
Surrogate: 1-Chlorooctane 96.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #9B (H301990-09)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

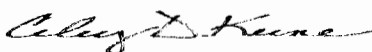
Surrogate: 1-Chlorooctane 99.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #10B (H301990-10)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: AR/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

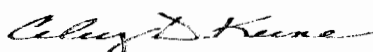
Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #11B (H301990-11)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: AR/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

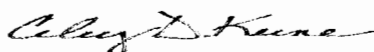
Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #12B (H301990-12)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

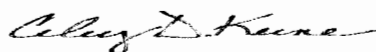
Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/26/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #13B (H301990-13)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35	
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05	
Total BTEx	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27	
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259	

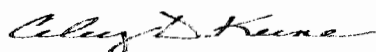
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

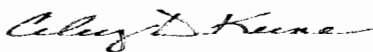
Notes and Definitions

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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 2 of 2

Page 17 of 17

Client: T-N-T ENVIRO
 Contact: CRAIG SCHMITZ
 Address: 70 OJITO RD
LINDRITH
 Phone Number: 505-320-2130
 Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: LAND FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com		Analyses Required										Comments				
Sample ID	Collection		Miscellaneous			Preservative(s)												
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)						
H301990																		
1. VADOZE CELL 11B	8-19-13		TS	3	1	N	✓											
2. 812B	↓		↓	↓	↓	↓	↓											
3. 813B	↓		↓	↓	↓	↓	↓											
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

[Signature] 2.8°C #54 8/21/13
 10:05



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

August 27, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 10:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #1C (H301991-01)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2013	ND	2.18	109	2.00	2.35		
Toluene*	<0.050	0.050	08/26/2013	ND	2.25	113	2.00	1.07		
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	2.36	118	2.00	0.607		
Total Xylenes*	<0.150	0.150	08/26/2013	ND	7.21	120	6.00	1.05		
Total BTX	<0.300	0.300	08/26/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27		
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259		

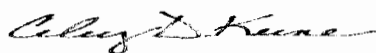
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #2C (H301991-02)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50		
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42		
Total BTEX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/23/2013	ND	201	101	200	2.27		
DRO >C10-C28	<10.0	10.0	08/23/2013	ND	205	103	200	0.259		

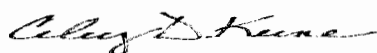
Surrogate: 1-Chlorooctane 97.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #3C (H301991-03)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

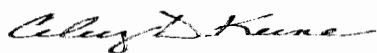
Surrogate: 1-Chlorooctane 95.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #4C (H301991-04)
BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: AR/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

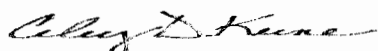
Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #5C (H301991-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/23/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

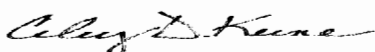
Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #6C (H301991-06)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50		
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42		
Total BTEx	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

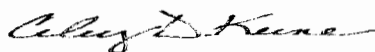
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #7C (H301991-07)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

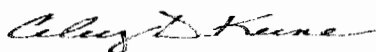
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #8C (H301991-08)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

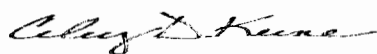
Surrogate: 1-Chlorooctane 97.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #9C (H301991-09)

BTX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #10C (H301991-10)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

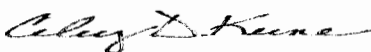
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #11C (H301991-11)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

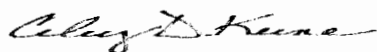
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #12C (H301991-12)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50		
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42		
Total BTX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

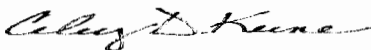
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #13C (H301991-13)
BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M

mg/kg

Analyzed By: AR/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

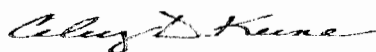
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: TNT ENVIRO
Contact: CRAIG SCHMITZ
Address: 70 QUITO RD
TINARITH NM 87029
Phone Number: 505-320-2130
Email: Schmitzcn@yahoo.com

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: LAND FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com		Analyses Required										Comments					
Sample ID	Collection		Collected by: (Init.)	Miscellaneous			Preservative(s)							1	2		3	4	5	6	7
	Date	Time		Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)									
H301992																					
1. VADOZE CELL 1C	8-19-13	12:30 PM	TS	3	1	N	✓														
2. 2C		12:45 PM																			
3. 3C		1:00 PM																			
4. 4C		1:15 PM																			
5. 5C		1:30 PM																			
6. 6C		1:45 PM																			
7. 7C		2:00 PM																			
8. 8C		2:15 PM																			
9. 9C		2:30 PM																			
10. 10C		2:45 PM																			

Relinquished by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>12:55 PM</u>	Received by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>12:55</u>
Relinquished by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>1:00</u>	Received by: <u>[Signature]</u>	Date: <u>8/20/13</u>	Time: <u>1:00</u>

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

Bathy Perry 2.8°C #54 8/21/13 10:05



CHAIN OF CUSTODY RECORD

Page 2 of 2

Page 17 of 17

Client: TNT ENVIRO
Contact: CRAIG SCHMITZ
Address: 405
Phone Number: 505-320-2131
Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: LAND FARM

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories		(970) 247-4220 FAX (970) 247-4227		Analyses Required										Comments						
Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com																		
Sample ID	Collection	Miscellaneous	Preservative(s)																	
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)								
H301992																				
1. VALDIZO CELLIC	8-19-13	3:00pm	TS	3	1	N	U							TPH 8015 M						
2. #12C	↓	3:15pm	↓	↓	↓	↓	↓							BTX 8012 B						
3. #13C	↓	3:30pm	↓	↓	↓	↓	↓							CHLORIDE SM 4500 CL-B						
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>12:55pm</u>	Received by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>1255</u>											
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>1600</u>											

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

Clay Perry 2.8°C #54 8/21/13



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

August 27, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 10:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #1D (H301992-01)

BTEX 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50		
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42		
Total BTEX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

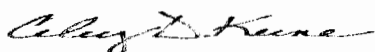
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #2D (H301992-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

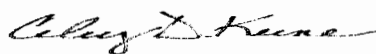
Surrogate: 1-Chlorooctane 91.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #3D (H301992-03)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: AR/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

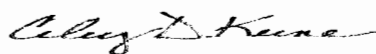
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #4D (H301992-04)

BTX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

Surrogate: 1-Chlorooctane 75.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 75.3 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #5D (H301992-05)

BTX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

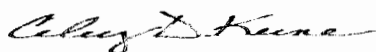
Surrogate: 1-Chlorooctane 86.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #6D (H301992-06)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

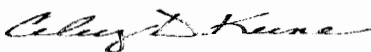
Surrogate: 1-Chlorooctane 84.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #7D (H301992-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50	
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83	
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42	
Total BTEX	<0.300	0.300	08/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

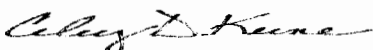
Surrogate: 1-Chlorooctane 85.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.7 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #8D (H301992-08)

BTEx 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2013	ND	1.99	99.6	2.00	2.50		
Toluene*	<0.050	0.050	08/24/2013	ND	2.03	102	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2013	ND	2.12	106	2.00	1.83		
Total Xylenes*	<0.150	0.150	08/24/2013	ND	6.46	108	6.00	2.42		
Total BTEX	<0.300	0.300	08/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	08/26/2013	ND	432	108	400	3.77			

TPH 8015M			mg/kg							Analyzed By: AR/	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890			
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93			

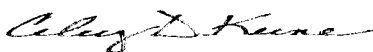
Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.7 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #9D (H301992-09)

BTX 8021B			mg/kg		Analyzed By: DW				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	<0.050	0.050	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: AR/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2013	ND	194	97.0	200	0.890	
DRO >C10-C28	<10.0	10.0	08/24/2013	ND	189	94.3	200	4.93	

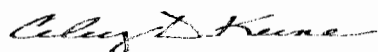
Surrogate: 1-Chlorooctane 91.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #10D (H301992-10)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	<0.050	0.050	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	<10.0	10.0	08/26/2013	ND	195	97.7	200	2.71	

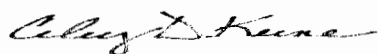
Surrogate: 1-Chlorooctane 95.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #11D (H301992-11)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	<0.050	0.050	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	<10.0	10.0	08/26/2013	ND	195	97.7	200	2.71	

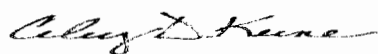
Surrogate: 1-Chlorooctane 94.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/21/2013
 Reported: 08/27/2013
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #12D (H301992-12)
BTEX 8021B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	<0.050	0.050	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	416	104	400	3.92	

TPH 8015M

mg/kg

Analyzed By: AR/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	<10.0	10.0	08/26/2013	ND	195	97.7	200	2.71	

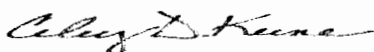
Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2013
Reported: 08/27/2013
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOZE CELL #13D (H301992-13)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	<0.050	0.050	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	<0.050	0.050	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	<0.150	0.150	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	<0.300	0.300	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	<10.0	10.0	08/26/2013	ND	195	97.7	200	2.71	

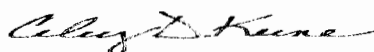
Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

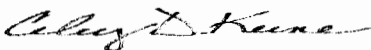
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: T-N-T ENVIRO
 Contact: CRAIG SCHMITZ
 Address: _____
 Phone Number: 505-320-2130
 Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: LAND FARM

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Address: 75 Suttle Street, Durango, CO 81303		www.greenanalytical.com		Analyses Required										Comments	
Sample ID	Collection		Miscellaneous			Preservative(s)					T.P.H 8015M	BTX 8010 B	Chloride 5m 4800 CI-B				
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4				NAOH	Other (Specify)		
H30993																	
1. VADOZE (CL) 11D	8-19-13		SS	3	1	N	Y										
2. #12D	↓		↓	↓	↓	↓	↓										
3. #13D	↓		↓	↓	↓	↓	↓										
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>12:55</u>	Received by: <u>Christa Clare</u>			Date: <u>8/20/13</u>	Time: <u>12:55</u>								
Relinquished by: <u>[Signature]</u>			Date: <u>8/20/13</u>	Time: <u>16:00</u>	Received by: <u>Ed Ex</u>			Date: <u>8/20/13</u>	Time: <u>16:00</u>								

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

Stacy Perry 2-8°C #54 8/21/13
 10:00

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date NOV. 30

Date Sent 1-21-13

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☒ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for Major Cations and Anions. Due November 30th.

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1
Due May 31st

☐ Water Detected, _____

☐ No Water Detected

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3
Due May 31st

☐ Water Detected, _____

☐ No Water Detected

☐ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2
Due May 31st

☐ Water Detected, _____

☐ No Water Detected

T-n-T Environmental
HCR 74 Box 113
Lindrith, NM 87029

Jan.28, 2013

OCD
Attn: Brad Jones
1220 S. Saint Francis
Santa Fe, NM 87505

RE: Chloride levels

Test results show elevated chloride levels in cells #6, #7, #8, and #12. This is due to that we cleaned sludge from Pond # 1, We hauled around 16,000 bbls to the land farm. We studied this and concluded that our field testing was not accurate as we were mixing. We have never handled this much volume with high chlorides so we are learning. When weather allows and is dry enough our plan is to mix more fresh dirt with these cells and spread some on other cells to get them in compliance. We are addressing our whole procedure and requirements on future high chloride level materials. We will be updating you on the progress with the spring test results.

Thank you,

Craig Schmitz
T-n-T Environmental



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

December 31, 2012

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 12/20/12 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #1 (H203070-01)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2012	ND	1.76	88.1	2.00	7.22		
Toluene*	0.058	0.050	12/21/2012	ND	1.93	96.7	2.00	6.17		
Ethylbenzene*	<0.050	0.050	12/21/2012	ND	1.86	93.2	2.00	6.06		
Total Xylenes*	<0.150	0.150	12/21/2012	ND	5.70	95.0	6.00	5.36		
Total BTEX	<0.300	0.300	12/21/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/26/2012	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34		
DRO >C10-C28	1540	10.0	12/23/2012	ND	226	113	200	3.25		

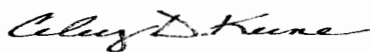
Surrogate: 1-Chlorooctane 80.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #3 (H203070-02)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2012	ND	1.76	88.1	2.00	7.22		
Toluene*	<0.050	0.050	12/21/2012	ND	1.93	96.7	2.00	6.17		
Ethylbenzene*	<0.050	0.050	12/21/2012	ND	1.86	93.2	2.00	6.06		
Total Xylenes*	<0.150	0.150	12/21/2012	ND	5.70	95.0	6.00	5.36		
Total BTEX	<0.300	0.300	12/21/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 118 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/26/2012	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	889	10.0	12/23/2012	ND	226	113	200	3.25	

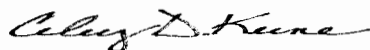
Surrogate: 1-Chlorooctane 80.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #4 (H203070-03)

BTEX 8021B			mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2012	ND	1.76	88.1	2.00	7.22		
Toluene*	<0.050	0.050	12/21/2012	ND	1.93	96.7	2.00	6.17		
Ethylbenzene*	0.054	0.050	12/21/2012	ND	1.86	93.2	2.00	6.06		
Total Xylenes*	0.867	0.150	12/21/2012	ND	5.70	95.0	6.00	5.36		
Total BTEX	0.921	0.300	12/21/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

Chloride, SM4500Cl-B			mg/kg				Analyzed By: AP		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/26/2012	ND	416	104	400	3.77	

TPH 8015M			mg/kg				Analyzed By: MS		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	24.6	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	2500	10.0	12/23/2012	ND	226	113	200	3.25	

Surrogate: 1-Chlorooctane 90.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #5 (H203070-04)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2012	ND	1.76	88.1	2.00	7.22		
Toluene*	<0.050	0.050	12/21/2012	ND	1.93	96.7	2.00	6.17		
Ethylbenzene*	<0.050	0.050	12/21/2012	ND	1.86	93.2	2.00	6.06		
Total Xylenes*	<0.150	0.150	12/21/2012	ND	5.70	95.0	6.00	5.36		
Total BTEX	<0.300	0.300	12/21/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/26/2012	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	1930	10.0	12/23/2012	ND	226	113	200	3.25	

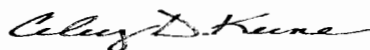
Surrogate: 1-Chlorooctane 81.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 146 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #6 (H203070-05)

BTX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.76	88.1	2.00	7.22	
Toluene*	0.052	0.050	12/22/2012	ND	1.93	96.7	2.00	6.17	
Ethylbenzene*	0.070	0.050	12/22/2012	ND	1.86	93.2	2.00	6.06	
Total Xylenes*	1.14	0.150	12/22/2012	ND	5.70	95.0	6.00	5.36	
Total BTX	1.26	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2100	16.0	12/26/2012	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.9	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	5370	10.0	12/23/2012	ND	226	113	200	3.25	

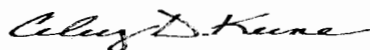
Surrogate: 1-Chlorooctane 94.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 229 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #7 (H203070-06)

BTX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.76	88.1	2.00	7.22	
Toluene*	0.066	0.050	12/22/2012	ND	1.93	96.7	2.00	6.17	
Ethylbenzene*	0.109	0.050	12/22/2012	ND	1.86	93.2	2.00	6.06	
Total Xylenes*	2.26	0.150	12/22/2012	ND	5.70	95.0	6.00	5.36	
Total BTX	2.44	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 164 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	12/26/2012	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	60.4	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	4770	10.0	12/23/2012	ND	226	113	200	3.25	

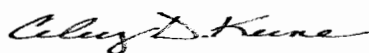
Surrogate: 1-Chlorooctane 97.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 197 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #8 (H203070-07)

BTX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2012	ND	1.76	88.1	2.00	7.22		
Toluene*	<0.050	0.050	12/22/2012	ND	1.93	96.7	2.00	6.17		
Ethylbenzene*	<0.050	0.050	12/22/2012	ND	1.86	93.2	2.00	6.06		
Total Xylenes*	<0.150	0.150	12/22/2012	ND	5.70	95.0	6.00	5.36		
Total BTX	<0.300	0.300	12/22/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	12/27/2012	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	2050	10.0	12/23/2012	ND	226	113	200	3.25	

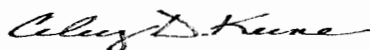
Surrogate: 1-Chlorooctane 80.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #9 (H203070-08)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.94	96.8	2.00	5.04	
Toluene*	0.096	0.050	12/22/2012	ND	2.16	108	2.00	9.61	
Ethylbenzene*	0.087	0.050	12/22/2012	ND	2.07	103	2.00	10.6	
Total Xylenes*	1.41	0.150	12/22/2012	ND	6.49	108	6.00	14.8	
Total BTEX	1.60	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 126 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/27/2012	ND	432	108	400	7.14	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	25.1	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	1810	10.0	12/23/2012	ND	226	113	200	3.25	

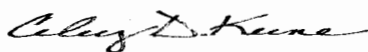
Surrogate: 1-Chlorooctane 83.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #10 (H203070-09)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.94	96.8	2.00	5.04	
Toluene*	<0.050	0.050	12/22/2012	ND	2.16	108	2.00	9.61	
Ethylbenzene*	<0.050	0.050	12/22/2012	ND	2.07	103	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/22/2012	ND	6.49	108	6.00	14.8	
Total BTEX	<0.300	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/27/2012	ND	432	108	400	7.14	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	490	10.0	12/23/2012	ND	226	113	200	3.25	

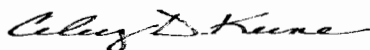
Surrogate: 1-Chlorooctane 77.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #11 (H203070-10)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.94	96.8	2.00	5.04	
Toluene*	0.059	0.050	12/22/2012	ND	2.16	108	2.00	9.61	
Ethylbenzene*	<0.050	0.050	12/22/2012	ND	2.07	103	2.00	10.6	
Total Xylenes*	0.176	0.150	12/22/2012	ND	6.49	108	6.00	14.8	
Total BTEX	<0.300	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/27/2012	ND	432	108	400	7.14	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	95.3	10.0	12/23/2012	ND	226	113	200	3.25	

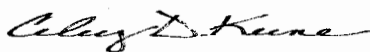
Surrogate: 1-Chlorooctane 85.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/20/2012
Reported: 12/31/2012
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TREATMENT CELL #12 (H203070-11)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2012	ND	1.94	96.8	2.00	5.04	
Toluene*	<0.050	0.050	12/22/2012	ND	2.16	108	2.00	9.61	
Ethylbenzene*	<0.050	0.050	12/22/2012	ND	2.07	103	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/22/2012	ND	6.49	108	6.00	14.8	
Total BTX	<0.300	0.300	12/22/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	12/27/2012	ND	432	108	400	7.14	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/23/2012	ND	203	101	200	3.34	
DRO >C10-C28	1150	10.0	12/23/2012	ND	226	113	200	3.25	

Surrogate: 1-Chlorooctane 80.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.7 % 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

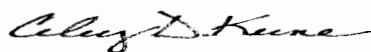
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-N-T Environmental

Contact: Chris Schmitz

Address: 4CR 74 Box 113

Location: 1.11. 82029

Phone Number: 505-320-2136

Email:

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

Table 1. - Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinseate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB #
1212-013

Project Name: Lead Air

Samplers Signature:

Lab Name: Green Analytical Laboratories

(970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

www.greenanalytical.com

Analyses Required

Sample ID	Collection		Miscellaneous		Preservative(s)		Analyses Required		Comments
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	
1. H203070	12-13	9:00	AS	3	1	N	X		1.00c #9 mice dyo
2. Treatment cell #1	12-13	9:15							
3. #3		9:30							
4. #4		9:45							
5. #5		10:00							
6. #6		10:15							
7. #7		10:30							
8. #8		10:45							
9. #9		11:00							
10. #10		11:15							
11. #11									
Relinquished by: <u>[Signature]</u> Date: <u>12-18-12</u> Time: <u>15:10</u>									
Relinquished by: <u>[Signature]</u> Date: <u>12-18-12</u> Time: <u>15:10</u>									
Relinquished by: <u>[Signature]</u> Date: <u>12-18-12</u> Time: <u>15:10</u>									

* Sample Reject: [] Return [] Dispose

[Signature] 12-19-12 11:10 Michael Valentine 12-19-12 11:30
[Signature] 12-19-12 11:10 Michael Valentine 12-19-12 11:30



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: T-N-T Environmental

Contact: Quay Schutte

Address: 44274 Bux113

Leideritz N.M. 87029

Phone Number: 505-320-2130

Email:

NOTES:

1) Ensure proper container packaging.

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

PO#

Project Name: Lowd Farm

Samplers Signature:

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinseate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

12-243

Lab Name: Green Analytical Laboratories

(970) 247-4220 FAX (970) 247-4227

Analyses Required

Address: 75 Suttle Street, Durango, CO 81303

www.greenanalytical.com

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Comments	
								HNO3	HCL	H2SO4	NAOH	Other (Specify)		
H203070	12-13	11:30	C.S	3	1	N	X							
1. Treatment #12														
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														
Relinquished by:														
Relinquished by:														

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

Michael Valentine
Michael Valentine
Michael Valentine

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

Page 15 of 15

Jodi Benson 11:00
12/20/12 20 #26



Page 1 of 2

1212-213

1.0°C #9
mix dye

[illegible]

Date: 11/15/17	Time: 1:15
----------------	------------

20

	Melvin Bell	12-19-12	11:10
X	KMVA-1232	Michael Valentine	12-19-12 11:10
X	Station Valencia	Fed Ex	12-19-12 11:10



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 2 of 2

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinse, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

~~102-243~~

Client: T-N-T Environmental

Contact: Elvies Schulte

Address: 14074 Box 113

Linderoth N.M. 87029

Phone Number: 505-320-2130

Email:

Project Name: Low Farm

Samplers Signature:

Lab Name: Green Analytical Laboratories

(970) 247-4220

FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

www.greenanalytical.com

Analyses Required

Collection

Miscellaneous

Preservative(s)

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type
From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

X TPH #8015M

X BTEX #8021B

X Chloride

Comments

H2030710

1. Tree not #12

12-13

11:30

C.S

3

1

N

X

Relinquished by:

Relinquished by:

Date: 12-18-12

Time: 1510

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

Received by:

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

Michael Valentine
Michael Valentine
Michael Valentine

12-19-12 11:10
12-19-12 11:10
12-19-12 11:10

Jodi Benson 1:00

January 11, 2013

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 12/20/12 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

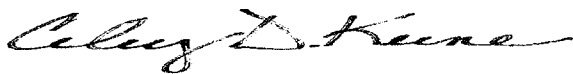
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

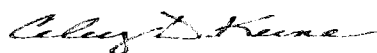
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
11-Jan-13 14:53

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VADOSE CELL #1	H203071-01	Soil	13-Dec-12 12:30	20-Dec-12 13:00
VADOSE CELL #2	H203071-02	Soil	13-Dec-12 12:45	20-Dec-12 13:00
VADOSE CELL #3	H203071-03	Soil	13-Dec-12 13:00	20-Dec-12 13:00
VADOSE CELL #4	H203071-04	Soil	13-Dec-12 13:15	20-Dec-12 13:00
VADOSE CELL #5	H203071-05	Soil	13-Dec-12 13:30	20-Dec-12 13:00
VADOSE CELL #6	H203071-06	Soil	13-Dec-12 13:45	20-Dec-12 13:00
VADOSE CELL #7	H203071-07	Soil	13-Dec-12 14:00	20-Dec-12 13:00
VADOSE CELL #8	H203071-08	Soil	13-Dec-12 14:15	20-Dec-12 13:00
VADOSE CELL #9	H203071-09	Soil	13-Dec-12 14:30	20-Dec-12 13:00
VADOSE CELL #10	H203071-10	Soil	13-Dec-12 14:45	20-Dec-12 13:00
VADOSE CELL #11	H203071-11	Soil	13-Dec-12 15:00	20-Dec-12 13:00
VADOSE CELL #12	H203071-12	Soil	13-Dec-12 15:15	20-Dec-12 13:00

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #1
H203071-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	1240	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	32.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	284	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.01	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	1010	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane		75.7 %	65.2-140		2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		78.0 %	63.6-154		2122108	MS	22-Dec-12	8015M	

Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	172	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6490	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	26.3	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6670	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2560	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #1
H203071-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.096 mg/kg dry wt.	481	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

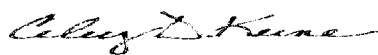
Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126 2122103 AP 22-Dec-12 8021B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #2
H203071-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	800	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	297	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.11	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	656	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane	81.1 %	65.2-140		2122108	MS	22-Dec-12	8015M		
Surrogate: 1-Chlorooctadecane	91.1 %	63.6-154		2122108	MS	22-Dec-12	8015M		


Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	156	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6640	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	23.7	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6330	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2270	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #2
H203071-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.095 mg/kg dry wt.	476	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

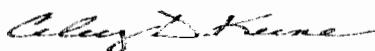
Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126 2122103 AP 22-Dec-12 8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #3 H203071-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	720	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	283	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.12	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	592	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane		88.5 %	65.2-140		2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		97.2 %	63.6-154		2122108	MS	22-Dec-12	8015M	

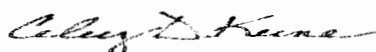
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	164	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6520	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	24.0	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6300	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2350	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #3
H203071-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.096 mg/kg dry wt.	481	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126 2122103 AP 22-Dec-12 8021B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #4
H203071-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	720	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	32.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	265	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.04	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	592	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane	79.3 %	65.2-140		2122108	MS	22-Dec-12	8015M		
Surrogate: 1-Chlorooctadecane	87.4 %	63.6-154		2122108	MS	22-Dec-12	8015M		

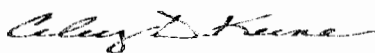
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	155	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6240	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	22.8	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6120	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2240	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #4
H203071-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.100 mg/kg dry wt.	500	3011113	CK	03-Jan-13	7471A	GAL
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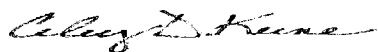
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B
Surrogate: 4-Bromofluorobenzene (PID)		118 %	89.4-126	2122103	AP	22-Dec-12	8021B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #5 H203071-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	740	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	267	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.12	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	118	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	608	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane		81.5 %	65.2-140		2122108	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		92.0 %	63.6-154		2122108	MS	22-Dec-12	8015M	

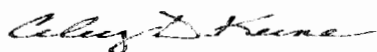
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	152	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	5900	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	22.7	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	5990	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2240	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #5
H203071-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		<i>117 %</i>	<i>89.4-126</i>		<i>2122103</i>	<i>AP</i>	<i>22-Dec-12</i>	<i>8021B</i>

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #6
H203071-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	740	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	291	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.13	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	102	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	608	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctane		80.5 %	65.2-140		2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		87.2 %	63.6-154		2122108	MS	23-Dec-12	8015M	

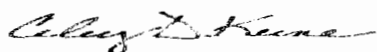
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	150	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	5880	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	23.1	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	5980	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2310	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #6
H203071-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.099 mg/kg dry wt.	495	3011113	CK	03-Jan-13	7471A	GAL
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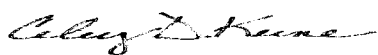
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		<i>114 %</i>	<i>89.4-126</i>	<i>2122103</i>	<i>AP</i>	<i>22-Dec-12</i>	<i>8021B</i>	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #7 H203071-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	720	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	32.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	271	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.12	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	67.0	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	592	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctane		80.8 %	65.2-140		2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		88.8 %	63.6-154		2122108	MS	23-Dec-12	8015M	

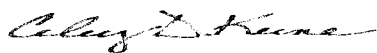
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	164	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6650	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	24.3	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6370	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2350	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	105	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #7
H203071-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.100 mg/kg dry wt.	500	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

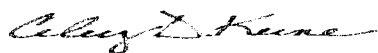
Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126 2122103 AP 22-Dec-12 8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #8
H203071-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	720	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	32.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	273	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.05	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	592	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctane		88.3 %	65.2-140		2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		97.8 %	63.6-154		2122108	MS	23-Dec-12	8015M	

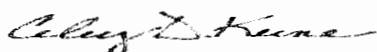
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	146	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	5850	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	22.2	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	5870	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2230	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #8
H203071-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.099 mg/kg dry wt.	495	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

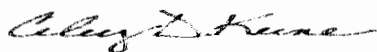
Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126 2122103 AP 22-Dec-12 8021B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #9
H203071-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	448	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	80.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	271	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.10	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	368	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctane		84.7 %	65.2-140		2122108	MS	23-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		94.9 %	63.6-154		2122108	MS	23-Dec-12	8015M	

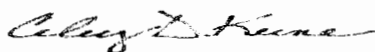
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	158	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6710	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	24.0	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6270	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2300	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #9
H203071-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.095 mg/kg dry wt.	476	3011113	CK	03-Jan-13	7471A	GAL
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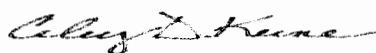
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B
Surrogate: 4-Bromofluorobenzene (PID)		117 %	89.4-126		2122103	AP	22-Dec-12	8021B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #10
H203071-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	840	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	48.0	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	366	1.00	uS/cm	1	3010402	AP	27-Dec-12	120.1	
pH*	8.04	0.100	pH Units	1	3010405	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	688	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane		88.1 %	65.2-140		2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		93.6 %	63.6-154		2122106	MS	22-Dec-12	8015M	

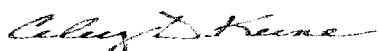
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	146	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6910	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	25.6	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6520	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2180	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #10
H203071-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.097 mg/kg dry wt.	485	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	22-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	22-Dec-12	8021B
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		<i>114 %</i>	<i>89.4-126</i>		<i>2122103</i>	<i>AP</i>	<i>22-Dec-12</i>	<i>8021B</i>

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #11
H203071-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	976	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	260	1.00	uS/cm	1	3010403	AP	27-Dec-12	120.1	
pH*	7.94	0.100	pH Units	1	3010406	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	800	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane	83.9 %	65.2-140			2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane	93.4 %	63.6-154			2122106	MS	22-Dec-12	8015M	

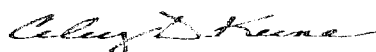
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	148	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6180	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	22.6	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	5970	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2120	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: LANDFARM
 Project Number: VADOSE
 Project Manager: CRAIG SCHMITZ
 Fax To: (575) 774-9116

 Reported:
 11-Jan-13 14:53

VADOSE CELL #11
H203071-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.097 mg/kg dry wt.	485	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	23-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	23-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126 2122103 AP 23-Dec-12 8021B

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #12
H203071-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	100		%	1	3011111	CK	03-Jan-13	D2216	GAL
Alkalinity, Bicarbonate	740	20.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	4	2121709	AP	04-Jan-13	310.1	
Chloride	ND	16.0	mg/kg	4	3010409	AP	04-Jan-13	4500-Cl-B	
Conductivity*	289	1.00	uS/cm	1	3010403	AP	27-Dec-12	120.1	
pH*	8.05	0.100	pH Units	1	3010406	AP	27-Dec-12	150.1	
Sulfate	ND	40.0	mg/kg	4	3010305	AP	03-Jan-13	375.4	
Alkalinity, Total*	608	16.0	mg/kg	4	2121709	AP	04-Jan-13	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctane		86.2 %	65.2-140		2122106	MS	22-Dec-12	8015M	
Surrogate: 1-Chlorooctadecane		96.2 %	63.6-154		2122106	MS	22-Dec-12	8015M	

Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Barium	149	1.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Calcium	6050	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Chromium	23.6	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Magnesium	6120	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Potassium	2250	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	3011112	CK	03-Jan-13	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: LANDFARM
Project Number: VADOSE
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116

Reported:
11-Jan-13 14:53

VADOSE CELL #12
H203071-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	3011113	CK	03-Jan-13	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

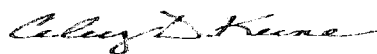
Benzene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Toluene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2122103	AP	23-Dec-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2122103	AP	23-Dec-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2122103	AP	23-Dec-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126 2122103 AP 23-Dec-12 8021B

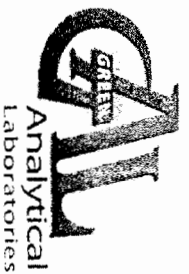
Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-N-T Environmental

Contact: Craig Schmitz

Address: HERTY BOX 113

Kinderth A.M. 81029

Phone Number: 505-520-8130

Email: Schmitzent@yahoo.com

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: Land Farm

Table 1 - Matrix Type

- 1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinse, 5 = Oil
6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

12-19-12

Samplers Signature: [Signature]

Analyses Required

TPH #8015M
BTEX #8021B
Chloride 5M4500CI-B
MAJOR CATIONS & ANIONS
RCRA 8 Metals per

9.5 on ice in
1.00c #9

Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Comments
								HNO3	HCL	H2SO4	NaOH	Other (Specify)	
1	12/13/12	12:30pm	TL5	3	1	N	V						
2	"	"	"	"	"	"	"						
3	"	"	"	"	"	"	"						
4	"	"	"	"	"	"	"						
5	"	"	"	"	"	"	"						
6	"	"	"	"	"	"	"						
7	"	"	"	"	"	"	"						
8	"	"	"	"	"	"	"						
9	"	"	"	"	"	"	"						
10	"	"	"	"	"	"	"						

Relinquished by: [Signature]

Relinquished by: [Signature]

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

Land Farm

12-19-12 11:10
12-19-12 11:00

Michael Valentine
Fed Ex

12-19-12 12:00



Page 2 of 2

me: 

~~212-041~~

Samplers Signature:

-B
2/5
5
.5.

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227						Analyses Required	
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com							
Sample ID	Collection		Collected by: (Init.)	Miscellaneous		Preservative(s)	
	Date	Time		Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)
H2O #1							
VADOZE #11	12/13/12	3:00 PM TL	3	1	N	✓	
" " #12	" "	3:15 PM TL	3	1	N	✓	
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
Relinquished by:		Date: 12-18-12		Type: 1510	Received by: [Signature]		
Relinquished by: [Signature]		Date: 12/18/12		Type: 1610	Received by: [Signature]		
Comments TPH #8015M BTEX #8021B Chloride SM 4500 Cl-B MAJOR CATIONS & ANIONS RCRA 9 Metals per p.c.s. [Handwritten notes]							

2

Page 38 of 38

of 38 Podi Henson 20
12/20/17 1:00 #26

2012-07-01 14:00

OCD Annual and Quarterly Report

Date Sent 9-18-12

☐ No Water Detected



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

September 18, 2012

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 09/12/12 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

Analytical Results For:

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

 Received: 09/12/2012
 Reported: 09/18/2012
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #1 (H202205-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	92.5 %	65.2-140							
Surrogate: 1-Chlorooctadecane	93.1 %	63.6-154							

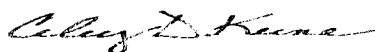
Sample ID: VADOSE CELL #2 (H202205-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane		85.7 %	65.2-140						
Surrogate: 1-Chlorooctadecane		86.3 %	63.6-154						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/12/2012
 Reported: 09/18/2012
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #3 (H202205-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	100 %	65.2-140							
Surrogate: 1-Chlorooctadecane	103 %	63.6-154							

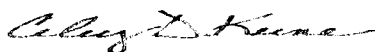
Sample ID: VADOSE CELL #4 (H202205-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	98.5 %	65.2-140							
Surrogate: 1-Chlorooctadecane	100 %	63.6-154							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/12/2012
 Reported: 09/18/2012
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #5 (H202205-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	91.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane	92.9 %	63.6-154							

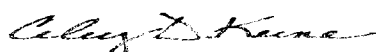
Sample ID: VADOSE CELL #6 (H202205-06)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
<hr/>									
Surrogate: 1-Chlorooctane	103 %	65.2-140							
Surrogate: 1-Chlorooctadecane	103 %	63.6-154							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/12/2012
 Reported: 09/18/2012
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #7 (H202205-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
<hr/>									
Surrogate: 1-Chlorooctane		95.5 %	65.2-140						
Surrogate: 1-Chlorooctadecane		95.9 %	63.6-154						

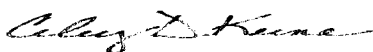
Sample ID: VADOSE CELL #8 (H202205-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	106 %	65.2-140							
Surrogate: 1-Chlorooctadecane	109 %	63.6-154							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/12/2012
 Reported: 09/18/2012
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #9 (H202205-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane		108 %	65.2-140						
Surrogate: 1-Chlorooctadecane		111 %	63.6-154						

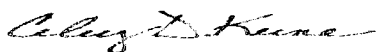
Sample ID: VADOSE CELL #10 (H202205-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	102 %	65.2-140							
Surrogate: 1-Chlorooctadecane	104 %	63.6-154							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/12/2012
Reported: 09/18/2012
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/10/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VADOSE CELL #11 (H202205-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane	97.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	97.9 %	63.6-154							

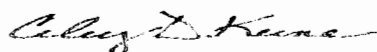
Sample ID: VADOSE CELL #12 (H202205-12)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2012	ND	416	104	400	3.77	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2012	ND	192	96.0	200	4.18	
DRO >C10-C28	<10.0	10.0	09/15/2012	ND	241	120	200	9.70	
Surrogate: 1-Chlorooctane		106 %	65.2-140						
Surrogate: 1-Chlorooctadecane		109 %	63.6-154						

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Celey D. Keene, Lab Director/Quality Manager


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 D. Keene, Lab Director/Quality Manager



Analytical
Laboratories

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: TNT ENVIRONMENTAL INC. NOTES:

Contact: Tom Schmitz 1) Ensure proper container packaging.

Address: 7000 S. 1st St. 2) Ship samples promptly following collection.

Phone Number: 505-320-2237 3) Designate Sample Reject Disposition.

PO#

Email: Schmitzent@yahoo.com Project Name: AND FARM

Samplers Signature: Tom Schmitz

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinse, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # _____

Lab Name:	Green Analytical Laboratories	(970) 247-4220	FAX (970) 247-4227	www.greenanalytical.com											
Address:	75 Suttle Street, Durango, CO 81303														
Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	Preservative(s)					Analyses Required	Comments	
								HNO3	HCL	H2SO4	NAOH	Other (Specify)			
H2021205	9/10/12	12:30pm	TLS	3	1	N	✓								
1. Adose Cell #1	9/10/12	12:45pm													
2. #2	9/10/12	1:00pm													
3. #3	9/10/12	1:15pm													
4. #4	9/10/12	1:30pm													
5. #5	9/10/12	1:45pm													
6. #6	9/10/12	2:00pm													
7. #7	9/10/12	2:15pm													
8. #8	9/10/12	2:30pm													
9. #9	9/10/12	2:45pm													
10. #10	9/10/12	2:55pm													
Relinquished by:	Date: 9-11-12		Time: 11:22		Received by:		Date: 9-11-12		Time: 11:00						

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date May 31, 2012

Date Sent 6-27-12

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☐ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells _____, for Major Cations and Anions. Due November 30th.

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1
Due May 31st

☒ Water Detected, we are pumping out now & looking for the leak, we will keep you posted
☐ No Water Detected

☒ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3
Due May 31st

☐ Water Detected, _____
☒ No Water Detected

☒ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2
Due May 31st

☐ Water Detected, _____
☒ No Water Detected

June 25, 2012

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 06/19/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <http://www.tceq.state.tx.us>.

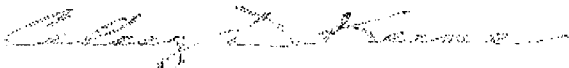
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 1 VADOZE (H201387-01)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

Surrogate: 1-Chlorooctane 95.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #2 VADOZE (H201387-02)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

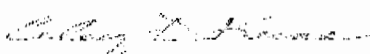
Surrogate: 1-Chlorooctane 95.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #3 VADOZE (H201387-03)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	


Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #4 VADOZE (H201387-04)

BTX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	11.4	10.0	06/19/2012	ND	185	92.7	200	2.72	

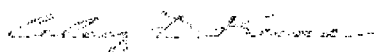
Surrogate: 1-Chlorooctane 95.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #5 VADOZE (H201387-05)

BTEX 8021B		mg/kg		Analyzed By: ZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #6 VADOZE (H201387-06)

BTEX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: M5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

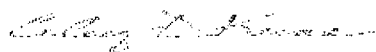
Surrogate: 1-Chlorooctane 92.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #7 VADOZE (H201387-07)

BTEX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/22/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

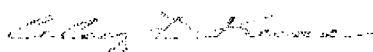
Surrogate: 1-Chlorooctane 93.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	36/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #8 VADOZE (H201387-08)

BTX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/22/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

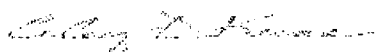
Surrogate: 1-Chlorooctane 96.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #9 VADOZE (H201387-09)

BTEX 8021B		mg/kg		Analyzed By: ZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	180	90.1	200	2.33	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	185	92.7	200	2.72	

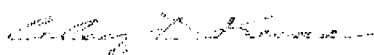
Surrogate: 1-Chlorooctane 98.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: VADOZE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL # 10 VADOZE (H201387-10)

BTEX 8021B		mg/kg	Analyzed By: ZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorocetadecane 114 % 63.6-154

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Ceiley D. Keene

Ceiley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 11 VADOZE (H201387-11)

BTX 8021B		mg/kg		Analyzed By: ZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/21/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/21/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/21/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 96.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	VADOZE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 12 VADOZE (H201387-12)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.90	95.1	2.00	5.97	
Toluene*	<0.050	0.050	06/22/2012	ND	1.98	99.2	2.00	9.57	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	2.08	104	2.00	13.6	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	6.46	108	6.00	15.1	

Surrogate: 4-Bromofluorobenzene (PID) 107% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	<10.0	10.0	06/19/2012	ND	194	97.0	200	2.21	

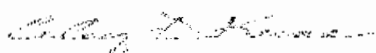
Surrogate: 1-Chlorooctane 95.1% 65.2-140

Surrogate: 1-Chlorooctadecane 113% 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

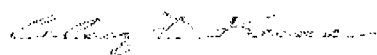
Notes and Definitions

VD	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 SM4500C1-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

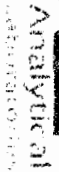
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Celey D. Keene, Lab Director/Quality Manager



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June 25, 2012

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 06/19/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <http://www.tceq.state.tx.us/quality/qa.htm>.

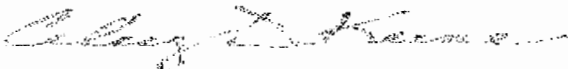
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

Analytical Results For:

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

 Received: 06/19/2012
 Reported: 06/25/2012
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/14/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL #1 TREATMENT ZONE (H201388-01)

BTX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.105	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	0.293	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/19/2012	ND	384	96.0	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	3120	10.0	06/19/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 99.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 208 % 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #2 TREATMENT ZONE (H201388-02)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	411	10.0	06/19/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 141 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #3 TREATMENT ZONE (H201388-03)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.219	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	0.243	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/19/2012	ND	384	96.0	400	0.00	
TPH 8015M		mg/kg		Analyzed By: M5					
5-04									

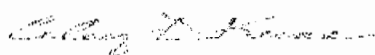
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 161 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL # 4 TREATMENT ZONE (H201388-04)

BTEX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/19/2012	ND	384	96.0	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	900	10.0	06/19/2012	ND	194	97.0	200	2.21	

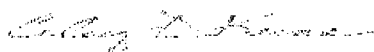
Surrogate: 1-Chlorooctane 99.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 5 TREATMENT ZONE (H201388-05)

BTX 8021B		mg/kg	Analyzed By: ZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, 5M4500CI-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg		Analyzed By: MS				5-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	5460	10.0	06/19/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 98.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 281 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #6 TREATMENT ZONE (H201388-06)

BTX 8021B		mg/kg		Analyzed By: ZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87		
DRO >C10-C28	3050	10.0	06/19/2012	ND	194	97.0	200	2.21		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 210 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 7 TREATMENT ZONE (H201388-07)

BTEX 80218		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5		
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9		

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/20/2012	ND	368	92.0	400	4.26		

TPH 8015M		mg/kg		Analyzed By: MS					5-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2012	ND	188	94.0	200	1.87		
DRO >C10-C28	2330	10.0	06/19/2012	ND	194	97.0	200	2.21		

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 188 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2012
Reported: 06/25/2012
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #8 TREATMENT ZONE (H201388-08)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.055	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	3S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/20/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	257	10.0	06/20/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 99.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Hanson
Project Location:	NOT GIVEN		

Sample ID: CELL #9 TREATMENT ZONE (H201388-09)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.131	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	0.173	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 107% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg		Analyzed By: MS						5-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	06/20/2012	ND	188	94.0	200	1.87		
DRO >C10-C28	8730	50.0	06/20/2012	ND	194	97.0	200	2.21		

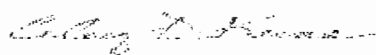
Surrogate: 1-Chlorooctane 100% 65.2-140

Surrogate: 1-Chlorooctadecane 265% 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL #10 TREATMENT ZONE (H201388-10)

BTX 80218		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.058	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/20/2012	ND	368	92.0	400	4.26	
TPH 8015M		mg/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/20/2012	ND	188	94.0	200	1.87	
DRO >C10-C28	3280	10.0	06/20/2012	ND	194	97.0	200	2.21	

Surrogate: 1-Chlorooctane 99.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 199 % 63.6-154

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Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: CELL # 11 TREATMENT ZONE (H201388-11)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.103	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	0.277	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	0.236	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/21/2012	ND	179	89.5	200	0.934	
DRO >C10-C28	741	10.0	06/21/2012	ND	184	91.8	200	0.237	

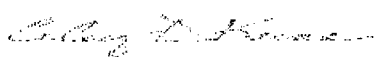
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 138 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/19/2012	Sampling Date:	06/14/2012
Reported:	06/25/2012	Sampling Type:	Soil
Project Name:	LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	TREATMENT ZONE	Sample Received By:	Jodi Hanson
Project Location:	NOT GIVEN		

Sample ID: CELL #12 TREATMENT ZONE (H201388-12)

BTX 8021B		mg/kg	Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2012	ND	1.85	92.5	2.00	13.5	
Toluene*	<0.050	0.050	06/22/2012	ND	1.85	92.6	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/22/2012	ND	1.94	96.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/22/2012	ND	5.73	95.5	6.00	10.9	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/20/2012	ND	368	92.0	400	4.26	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	35	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/21/2012	ND	179	89.5	200	0.934	
DRO >C10-C28	434	10.0	06/21/2012	ND	184	91.8	200	0.237	

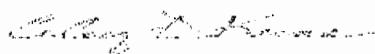
Surrogate: 1-Chlorooctane 99.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-N-T Environmental
Contract: Craig Schmitt
Address: _____

Phone Number: 505-320-2130
Fax Number: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: T-N-T Environmental

Table 1 - Matrix Type

- 1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinseate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Sampler's Signature: _____

Sample ID	Collection		Collected by: (Initials)	Miscellaneous			Preservative(s)					Analyses Required	Comments			
	Date	Time		Matrix Type (From Table 1)	No. of Containers	Sample Filtered? (Y/N)	Unpreserved (See Only)	HNO ₃	HCl	H ₂ SO ₄	NaOH			(Other Specify)		
4201388	6-14-12	9:00	CS	3	1	✓	✓					✓ TPH	✓ PCBs	✓ BTEX	✓ TOC	2,500 mg/L
1 Treatment Zone	6-14-12	9:15														
2 " " #1	6-14-12	9:30														
3 " " #2	6-14-12	9:45														
4 " " #3	6-14-12	10:00														
5 " " #4	6-14-12	10:15														
6 " " #5	6-14-12	10:30														
7 " " #6	6-14-12	10:45														
8 " " #7	6-14-12	11:00														
9 " " #8	6-14-12	11:15														
10 " " #9	6-14-12	11:30														
11 " " #10	6-14-12	11:45														

Relinquished by: _____ Date: 6-15-12 Time: 8:55
Relinquished by: _____ Date: 6-15-12 Time: 15:30
Received by: _____ Date: 6-15-12 Time: 15:30
Received by: _____ Date: 6-15-12 Time: 15:30

* Sample Reject: 1 | Return 1 | Dispose 1 | Store (30 Days)



CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: T-N + Environmental

Contact: Craig Schmitt

Address:

Phone Number: 505-320-2130

FAX Number:

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: VV road area for 2200 Samplers Signature:

Table 1 - Matrix Type

- 1 - Surface Water, 2 - Ground Water
- 3 - Soil/Sediment, 4 - Rinsate, 5 - Oil
- 6 - Waste, 7 - Other (Specify)

FOR USE ONLY

GAL JOB #

Lab Name: Green Analytical Laboratories		(970) 247-4220		FAX (970) 247-4227		Analyses Required		
Address: 75 Suttle Street, Durango, CO 81303								
Sample ID	Collection	Date	Time	Miscellaneous			Preservatives	Other (Specify)
				Matrix Type from Table 1	No. of Containers	Sample Filtered (Yes/No)		
11 H2013588								
12 Treatment zone		6-14-12	11:30	CS	3	N	✓	✓
12 cell #12		6-14-12	11:45	CS	3	N	✓	✓
13								
14								
15								
16								
17								
18								
19								
20								
Requisitioned by: [Signature]				Date: 6-14-12	Time: 3:30	Received by: [Signature]	Date: 6-15-12	Time: 2:55
Requisitioned by: [Signature]				Date: 6-15-12	Time: 7:30	Received by: [Signature]	Date: 6-19-12	Time: 10:00

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

T-n-T Environmental, Inc.
HCR 74 Box 113
Lindrith, NM 87029

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date NOV. 30th 2011

Date Sent Dec. 21-2011

☒ Test Results of Semi-annual Treatment Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for
TPH and BTEX and Chloride. Due May 31st & November 30th.

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for TPH,
BTEX and Chloride. Due May 31st, August 31st & November 30th.

☒ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, for Major
Cations and Anions. Due November 30th.

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1

☐ Water Detected, Test Results included Due May 31st

☐ No Water Detected

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3

☐ Water Detected, Test Results included Due May 31st

☐ No Water Detected

☐ Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2

☐ Water Detected, Test Results Included Due May 31st

☐ No Water Detected

RECEIVED
OCD
2011 DEC 23 PM 12:50



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

December 19, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 12/01/11 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

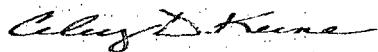
Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL #1 VADOZE	H102583-01	Soil	28-Nov-11 09:00	01-Dec-11 11:00
CELL #2 VADOZE	H102583-02	Soil	28-Nov-11 09:15	01-Dec-11 11:00
CELL #3 VADOZE	H102583-03	Soil	28-Nov-11 09:30	01-Dec-11 11:00
CELL #4 VADOZE	H102583-04	Soil	28-Nov-11 09:45	01-Dec-11 11:00
CELL #5 VADOZE	H102583-05	Soil	28-Nov-11 10:00	01-Dec-11 11:00
CELL #6 VADOZE	H102583-06	Soil	28-Nov-11 10:15	01-Dec-11 11:00
CELL #7 VADOZE	H102583-07	Soil	28-Nov-11 10:30	01-Dec-11 11:00
CELL #8 VADOZE	H102583-08	Soil	28-Nov-11 10:45	01-Dec-11 11:00
CELL #9 VADOZE	H102583-09	Soil	28-Nov-11 11:00	01-Dec-11 11:00
CELL #10 VADOZE	H102583-10	Soil	28-Nov-11 11:15	01-Dec-11 11:00
CELL #11 VADOZE	H102583-11	Soil	28-Nov-11 11:30	01-Dec-11 11:00
CELL #12 VADOZE	H102583-12	Soil	28-Nov-11 11:45	01-Dec-11 11:00

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #1 VADOZE
H102583-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	175	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5700	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.7	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6670	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.098 mg/kg dry wt.	490	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3100	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	273	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	143	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.16	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	80.0 mg/kg	8	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	224	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

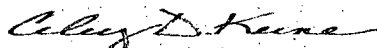
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		80.4 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		77.0 %	57.6-158		1120202	MS	03-Dec-11	8015M

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #1 VADOZE
H102583-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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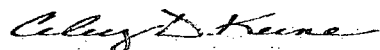
Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		1120501	MS	05-Dec-11	8021B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #2 VADOZE
H102583-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	172	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5540	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.3	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6670	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3070	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	176	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	151	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.31	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	144	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

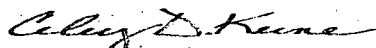
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		86.8 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		85.1 %	57.6-158		1120202	MS	03-Dec-11	8015M

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #2 VADOZE
H102583-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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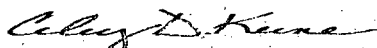
Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		105 %	64.4-134		1120501	MS	05-Dec-11	8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #3 VADOZE
H102583-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	184	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6180	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	29.7	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	7260	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.096 mg/kg dry wt.	480	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3300	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	429	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	204	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1	
pH	7.33	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	352	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	

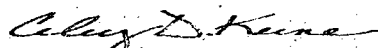
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane	81.2 %	55.5-154		1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctadecane	76.6 %	57.6-158		1120202	MS	03-Dec-11	8015M	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #3 VADOZE
H102583-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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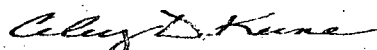
Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		1120501	MS	05-Dec-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #4 VADOZE
H102583-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	177	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5840	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.8	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6780	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.095 mg/kg dry wt.	476	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3150	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	351	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	266	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.15	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	288	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

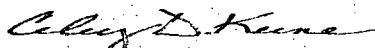
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		83.0 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		84.7 %	57.6-158		1120202	MS	03-Dec-11	8015M

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #4 VADOZE**
H102583-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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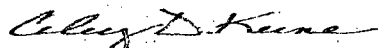
Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		108 %	64.4-134		1120501	MS	05-Dec-11	8021B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #5 VADOZE
H102583-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	170	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5620	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	26.3	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6500	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.095 mg/kg dry wt.	476	1121503	CK	13-Dec-11	7471A	GAL
Potassium	2960	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	312	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	256	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.26	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	256	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

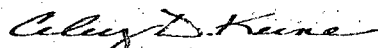
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		85.9 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		81.9 %	57.6-158		1120202	MS	03-Dec-11	8015M

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #5 VADOZE
H102583-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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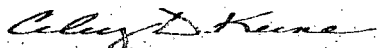
Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	64.4-134		1120501	MS	05-Dec-11	8021B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #6 VADOZE H102583-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	179	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5870	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.6	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6800	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3070	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	332	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	231	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1	
pH	7.28	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	272	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	

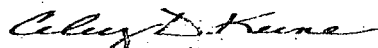
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane	89.9 %	55.5-154	1120202	MS	03-Dec-11	8015M		
Surrogate: 1-Chlorooctadecane	84.0 %	57.6-158	1120202	MS	03-Dec-11	8015M		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #6 VADOZE
H102583-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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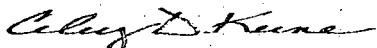
Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	64.4-134		1120501	MS	05-Dec-11	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #7 VADOZE
H102583-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	192	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6290	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	30.4	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	7490	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.096 mg/kg dry wt.	480	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3340	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	332	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	183	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.37	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	272	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

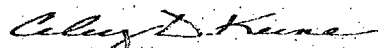
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		82.9 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		81.5 %	57.6-158		1120202	MS	03-Dec-11	8015M

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:T-N-T ENVIRONMENTAL
70 OJITO ROAD
LINDRITH NM, 87029Project: VADOZE
Project Number: NONE GIVEN
Project Manager: CRAIG SCHMITZ
Fax To: (575) 774-9116Reported:
19-Dec-11 12:33**CELL #7 VADOZE**
H102583-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	64.4-134		1120501	MS	05-Dec-11	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #8 VADOZE
H102583-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	177	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6330	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.3	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6890	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.098 mg/kg dry wt.	490	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3080	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	449	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B
Conductivity	272	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1
pH	7.43	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4
Alkalinity, Total	368	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M

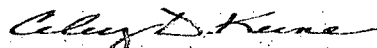
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctane		84.8 %	55.5-154		1120202	MS	03-Dec-11	8015M
Surrogate: 1-Chlorooctadecane		79.8 %	57.6-158		1120202	MS	03-Dec-11	8015M

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #8 VADOZE
H102583-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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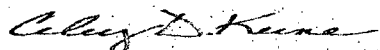
Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	0.063	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120501	MS	05-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		105 %	64.4-134		1120501	MS	05-Dec-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #9 VADOZE
H102583-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	186	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6450	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	29.8	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	7300	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3320	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	527	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	273	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1	
pH	7.35	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	432	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	

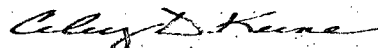
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane	82.9 %	55.5-154	1120202	MS	03-Dec-11	8015M		
Surrogate: 1-Chlorooctadecane	79.4 %	57.6-158	1120202	MS	03-Dec-11	8015M		

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #9 VADOZE
H102583-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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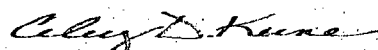
Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		1120602	MS	06-Dec-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #10 VADOZE
H102583-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	186	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6790	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	29.5	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	7370	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3270	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	527	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	266	1.00 uS/cm	1	1121304	HM	13-Dec-11	120.1	
pH	7.38	0.100 pH Units	1	1121304	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	432	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	

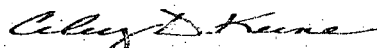
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane		82.9 %	55.5-154	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctadecane		79.6 %	57.6-158	1120202	MS	03-Dec-11	8015M	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #10 VADOZE
H102583-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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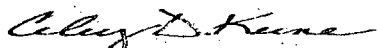
Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		1120602	MS	06-Dec-11	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #11 VADOZE
H102583-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	189	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	6210	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	29.0	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	7150	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3260	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	429	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	279	1.00 uS/cm	1	1121305	HM	13-Dec-11	120.1	
pH	7.37	0.100 pH Units	1	1121305	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	352	16.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	

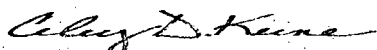
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane		80.1 %	55.5-154	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctadecane		77.7 %	57.6-158	1120202	MS	03-Dec-11	8015M	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #11 VADOZE
H102583-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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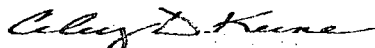
Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		105 %	64.4-134		1120602	MS	06-Dec-11	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

Reported:
19-Dec-11 12:33

CELL #12 VADOZE
H102583-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Barium	181	1.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Calcium	5860	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Chromium	27.7	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Lead	ND	10.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Magnesium	6910	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1121503	CK	13-Dec-11	7471A	GAL
Potassium	3080	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Selenium	ND	20.0 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	1	1121502	CK	09-Dec-11	6010B	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	312	20.0 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1120105	HM	17-Dec-11	310.1M	
Chloride	ND	16.0 mg/kg	4	1121904	HM	17-Dec-11	4500-Cl-B	
Conductivity	196	1.00 uS/cm	1	1121305	HM	13-Dec-11	120.1	
pH	7.25	0.100 pH Units	1	1121305	HM	13-Dec-11	150.1	
Sulfate	ND	40.0 mg/kg	4	1121903	HM	18-Dec-11	375.4	
Alkalinity, Total	256	64.0 mg/kg	4	1120105	HM	17-Dec-11	310.1M	

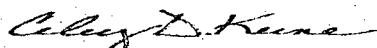
Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctane		85.0 %	55.5-154	1120202	MS	03-Dec-11	8015M	
Surrogate: 1-Chlorooctadecane		76.9 %	57.6-158	1120202	MS	03-Dec-11	8015M	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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

 Reported:
 19-Dec-11 12:33

CELL #12 VADOZE
H102583-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Toluene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1120602	MS	06-Dec-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1120602	MS	06-Dec-11	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		105 %	64.4-134		1120602	MS	06-Dec-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

December 17, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 12/01/11 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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_accred_certif.html.

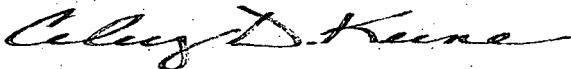
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

Analytical Results For:

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

Received: 12/01/2011
Reported: 12/17/2011
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL #1 TREATMENT (H102582-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	- Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896		
Toluene*	0.109	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84		
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310		
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167		

Surrogate: 4-Bromofluorobenzene (PII) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	31.5	10.0	12/03/2011	ND	192	95.9	200	1.11	


Surrogate: 1-Chlorooctane 84.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 84.2 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/01/2011
Reported: 12/17/2011
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL #2 TREATMENT (H102582-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	408	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	<10.0	10.0	12/03/2011	ND	192	95.9	200	1.11	

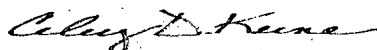
Surrogate: 1-Chlorooctane 80.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 71.4 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #3 TREATMENT (H102582-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	269	10.0	12/03/2011	ND	192	95.9	200	1.11	


Surrogate: 1-Chlorooctane 87.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #4 TREATMENT (H102582-04)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 418.1		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	1620	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	17.3	10.0	12/03/2011	ND	192	95.9	200	1.11	


Surrogate: 1-Chlorooctane 89.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 88.7 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #5 TREATMENT (H102582-05)

BTX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	248	10.0	12/03/2011	ND	192	95.9	200	1.11	

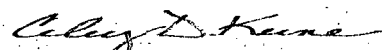
Surrogate: 1-Chlorooctane 83.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 89.2 % 57.6-158

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #6 TREATMENT (H102582-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	319	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	<10.0	10.0	12/03/2011	ND	192	95.9	200	1.11	

Surrogate: 1-Chlorooctane 87.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 79.1 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #7 TREATMENT (H102582-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	794	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	<10.0	10.0	12/03/2011	ND	192	95.9	200	1.11	

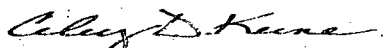
Surrogate: 1-Chlorooctane 82.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 76.0 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #8 TREATMENT (H102582-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	189	94.6	200	0.378	
DRO >C10-C28	93.4	10.0	12/03/2011	ND	192	95.9	200	1.11	

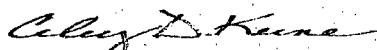
Surrogate: 1-Chlorooctane 78.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 86.7 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/01/2011
Reported: 12/17/2011
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL #9 TREATMENT (H102582-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/02/2011	ND	188	93.8	200	0.201	
DRO >C10-C28	233	10.0	12/02/2011	ND	186	93.0	200	1.15	

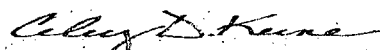
Surrogate: 1-Chlorooctane 81.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 87.3 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/01/2011
 Reported: 12/17/2011
 Project Name: LANDFARM
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL #10 TREATMENT (H102582-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	0.057	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/02/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	12/02/2011	ND	188	93.8	200	0.201	
DRO >C10-C28	6830	100	12/02/2011	ND	186	93.0	200	1.15	

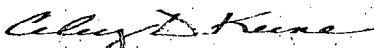
Surrogate: 1-Chlorooctane 89.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 118 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/01/2011
Reported: 12/17/2011
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL #11 TREATMENT (H102582-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2011	ND	448	112	400	7.41	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	1480	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	188	93.8	200	0.201	
DRO >C10-C28	43.4	10.0	12/03/2011	ND	186	93.0	200	1.15	

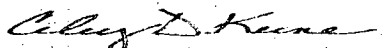
Surrogate: 1-Chlorooctane 91.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 91.7 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/01/2011
Reported: 12/17/2011
Project Name: LANDFARM
Project Number: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL #12 TREATMENT (H102582-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2011	ND	1.93	96.3	2.00	0.896	
Toluene*	<0.050	0.050	12/05/2011	ND	1.85	92.3	2.00	1.84	
Ethylbenzene*	<0.050	0.050	12/05/2011	ND	2.15	108	2.00	0.310	
Total Xylenes*	<0.150	0.150	12/05/2011	ND	6.21	103	6.00	0.167	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2011	ND	448	112	400	7.41	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	315	100	12/17/2011	ND	1240	113	1090	0.565	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/03/2011	ND	188	93.8	200	0.201	
DRO >C10-C28	22.5	10.0	12/03/2011	ND	186	93.0	200	1.15	

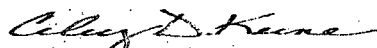
Surrogate: 1-Chlorooctane 81.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 79.8 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

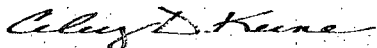
Notes and Definitions

S-LOW	Low surrogate recovery confirmed as a matrix effect by a second analysis.
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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-N-T ENVIRONMENTAL INC

NOTES:

Contact: CRAIG SCHMITZ

1) Ensure proper container packaging.

Address: 70 OTTIE RD

2) Ship samples promptly following collection.

LINDRITH N.M. 87029

3) Designate Sample Reject Disposition.

Phone Number: 505-320-2130

PO#

FAX Number: 505-774-9116

Project Name: T-N-T LAND FARM

Table 1 - Matrix Type	
1 = Surface Water	2 = Ground Water
3 = Soil/Sediment	4 = Rinsate
5 = Oil	6 = Waste
7 = Other (Specify)	

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: <u>Green Analytical Laboratories</u>		(970) 247-4220		FAX: (970) 247-4227		Analyses Required										Comments								
Address: <u>75 Suttle Street, Durango, CO 81303</u>																								
Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)												
H102582-																								
01 1 st CELL TREAT	12:00	11/28/11	TLS	3	1	✓	✓																	Freeze
02 2 nd CELL TREAT	12:10																							
03 3 rd CELL TREAT	12:20																							
04 4 th CELL TREAT	12:30																							
05 5 th CELL TREAT	12:40																							
06 6 th CELL TREAT	12:50																							
07 7 th CELL TREAT	1:00																							
08 8 th CELL TREAT	1:10																							
09 9 th CELL TREAT	1:20																							
10 10 th CELL TREAT	1:30																							
Relinquished by: <u>[Signature]</u>			Date: <u>11-29-11</u>		Time: <u>3:30</u>		Received by: <u>[Signature]</u>			Date: <u>11/29/11</u>		Time: <u>1:53</u>												
Relinquished by: <u>End Ex</u>			Date: <u></u>		Time: <u></u>		Received by: <u>[Signature]</u>			Date: <u>12/1/11</u>		Time: <u>11:00</u>												

* Sample Reject: ☐ Return ☐ Dispose ☐ Store (30 Days)

2°C C+I 0 #26



CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: T. T. Environmental Inc.
 Contact: C.R.C. Schmitz
 Address: 70 Glick Rd
Littleton, CO 80120
 Phone Number: 303-720-2130
 FAX Number: 303-720-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: T. T. Environmental

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories		(970) 247-4220 FAX (970) 247-4227		Analyses Required										Comments					
Address: 75 Suttle Street, Durango, CO 81303																			
Sample ID	Collection		Miscellaneous			Preservative(s)													
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)							
1101	11/23/11	1:40	TLS	3	1	✓	✓						T.P.H. 11/18/11	✓	✓	✓	✓		
122	11/23/11	1:50	TLS	3	1	✓	✓						(G-SC) (DRC) 80120	✓	✓	✓	✓		
3.													B.T.E.X						
4.													CUPRIDE						
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			
Relinquished by: <u>[Signature]</u>			Date: 11-24-11	Time: 3:30	Received by: <u>[Signature]</u>			Date: 11/24/11	Time: 1:30										
Relinquished by: <u>FedEx</u>			Date:	Time:	Received by: <u>[Signature]</u>			Date: 12/1/11	Time: 11:05										

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

2°C C.I.O #26

RECEIVED OCD

2011 SEP 22 P 11: 54

Oil Conservation Division
Attn: Brad Jones
1220 South Saint Francis
Santa Fe, NM 87505

OCD Annual and Quarterly Report

Due Date August 31st

Date Sent _____

[illegible]

☒ Test Results of Quarterly Vadoze Zone Monitoring of Land Farm Cells _____, _____,
_____, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
_____ for TPH, BTEX and Chloride. Due May 31st, August 31st & November 30th.

☐ Test Results of Annual Vadoze Zone Monitoring of Land Farm Cells _____, _____,
_____, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
Cations and Anions. Due November 30th.

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 1

☐ Water Detected, Test Results included Due May 31st☐ No Water Detected

☐ Annual Report of Weekly Testing of Leak Detection Sumps on Pond 3

☐ Water Detected, Test Results included Due May 31st☐ No Water Detected

Annual Report of Monthly Testing of Monitor Well's Surrounding Pond 2

☐ Water Detected, Test Results Included Due May 31st☐ No Water Detected

September 14, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 09/09/11 11:55.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

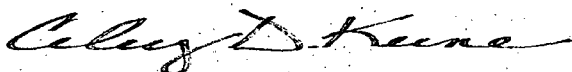
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

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

Analytical Results For:

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

Received: 09/09/2011
Reported: 09/14/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/07/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Hope S. Moreno

Sample ID: CELL # 3 VADOSE (H101909-01)
BTEX 8021B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2011	ND	2.30	115	2.00	14.2	
Toluene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	13.9	
Ethylbenzene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	14.0	
Total Xylenes*	<0.150	0.150	09/09/2011	ND	6.70	112	6.00	14.5	

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 64.4-134

Chloride, SM4500Cl-B
mg/kg
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2011	ND	432	108	400	0.00	

TPH 8015M
mg/kg
Analyzed By: ab

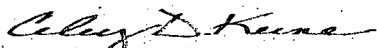
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/13/2011	ND	170	85.0	200	4.11	
DRO >C10-C28	<10.0	10.0	09/13/2011	ND	169	84.3	200	4.24	

Surrogate: 1-Chlorooctane 117 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

Cardinal Laboratories
***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/09/2011
 Reported: 09/14/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/07/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Hope S. Moreno

Sample ID: CELL # 4 VADOSE (H101909-02)
BTEX 8021B
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2011	ND	2.30	115	2.00	14.2	
Toluene*	0.054	0.050	09/09/2011	ND	2.22	111	2.00	13.9	
Ethylbenzene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	14.0	
Total Xylenes*	<0.150	0.150	09/09/2011	ND	6.70	112	6.00	14.5	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 64.4-134

Chloride, SM4500Cl-B
mg/kg
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2011	ND	432	108	400	0.00	

TPH 8015M
mg/kg
Analyzed By: ab

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/13/2011	ND	170	85.0	200	4.11	
DRO >C10-C28	<10.0	10.0	09/13/2011	ND	169	84.3	200	4.24	

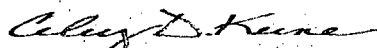
Surrogate: 1-Chlorooctane 107 % 55.5-154

Surrogate: 1-Chlorooctadecane 100 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/09/2011
Reported: 09/14/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/07/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Hope S. Moreno

Sample ID: CELL # 5 VADOSE (H101909-03)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2011	ND	2.30	115	2.00	14.2	
Toluene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	13.9	
Ethylbenzene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	14.0	
Total Xylenes*	<0.150	0.150	09/09/2011	ND	6.70	112	6.00	14.5	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/13/2011	ND	170	85.0	200	4.11	
DRO >C10-C28	<10.0	10.0	09/13/2011	ND	169	84.3	200	4.24	

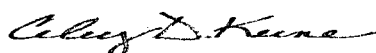
Surrogate: 1-Chlorooctane 117 % 55.5-154

Surrogate: 1-Chlorooctadecane 112 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/09/2011
 Reported: 09/14/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/07/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Hope S. Moreno

Sample ID: CELL # 9 VADOSE (H101909-04)
BTEX 8021B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2011	ND	2.30	115	2.00	14.2	
Toluene*	0.056	0.050	09/09/2011	ND	2.22	111	2.00	13.9	
Ethylbenzene*	<0.050	0.050	09/09/2011	ND	2.22	111	2.00	14.0	
Total Xylenes*	<0.150	0.150	09/09/2011	ND	6.70	112	6.00	14.5	

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 64.4-134

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2011	ND	432	108	400	0.00	

TPH 8015M

mg/kg

Analyzed By: ab

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/13/2011	ND	170	85.0	200	4.11	
DRO >C10-C28	<10.0	10.0	09/13/2011	ND	169	84.3	200	4.24	

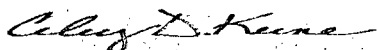
Surrogate: 1-Chlorooctane 117 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

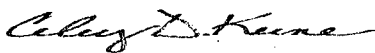
Notes and Definitions

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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 7

Client: T-n-T Environmental
 Contact: Craig Schmitz
 Address: Hc 2 T4 Box 113
Linderoth, NM 87029
 Phone Number: 575-330-2130
 FAX Number: 575-774-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name:

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify)

FOR GAL USE ONLY

GAL JOB #

Samplers Signature:

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227												Analyses Required										Comments		
Address: 75 Suttle Street, Durango, CO 81303													BTX	TPH	Chloride									
Sample ID	Collection		Miscellaneous				Preservative(s)																	
	Date	Time	Collected by: (init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)												
H101909 1 Cell #3 Volez	9-7-11	1:00	CS	3	1	N	✓						✓	✓	✓									
2 #4	9-7-11	1:15	↓	↓	↓	↓	✓						✓	✓	✓									
3 #5	9-7-11	1:30	↓	↓	↓	↓	✓						✓	✓	✓									
4 Hc1	9-7-11	1:45	↓	↓	↓	↓	✓						✓	✓	✓									
5																								
6																								
7																								
8																								
9																								
10																								

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Received by: Christa Clark Date: 9/8/11 Time: 11:45

Received by: Hope S. Moran Date: 09/09/11 Time: 11:55

* Sample Reject: [] Return [] Dispose [] Store (30 Days)



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

August 30, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/26/11 12:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited 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 (V2, V3)

Accreditation applies to public drinking water matrices.

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,

A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/26/2011
 Reported: 08/30/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL #1 VADOSE (H101809-01)

BTX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIE) 121 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

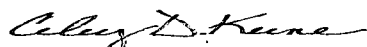
Surrogate: 1-Chlorooctane 73.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 81.8 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/26/2011
Reported: 08/30/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/24/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #2 VADOSE (H101809-02)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

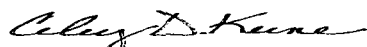
Surrogate: 1-Chlorooctane 75.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 82.0 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/26/2011
Reported: 08/30/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/24/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #6 VADOSE (H101809-03)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 118 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

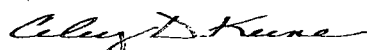
Surrogate: 1-Chlorooctane 74.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 81.6 % 57.6-158

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/26/2011
 Reported: 08/30/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL #7 VADOSE (H101809-04)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 122 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRD C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

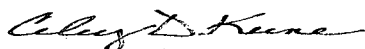
Surrogate: 1-Chlorooctane 67.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 74.4 % 57.6-158

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/26/2011
Reported: 08/30/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/24/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #8 VADOSE (H101809-05)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

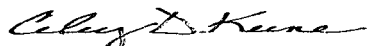
Surrogate: 1-Chlorooctane 77.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 83.9 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/26/2011
Reported: 08/30/2011
Project Name: LANDFARM
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/24/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL #10 VADOSE (H101809-06)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 126 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

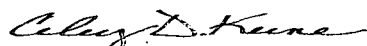
Surrogate: 1-Chlorooctane 76.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 81.8 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/26/2011
 Reported: 08/30/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL #11 VADOSE (H101809-07)

BTX 80218			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	416	104	400	7.41	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

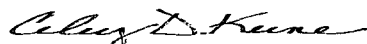
Surrogate: 1-Chlorooctane 75.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 81.2 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/26/2011
 Reported: 08/30/2011
 Project Name: LANDFARM
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL #12 VADOSE (H101809-08)

BTX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/29/2011	ND	416	104	400	7.41	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2011	ND	193	96.6	200	1.86	
DRO >C10-C28	<10.0	10.0	08/29/2011	ND	159	79.6	200	0.0433	

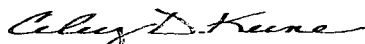
Surrogate: 1-Chlorooctane 74.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 87.7 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

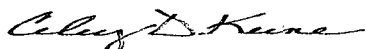
Notes and Definitions

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 D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: T-N-T		BILL TO		ANALYSIS REQUEST																					
Project Manager:		P.O. #:																							
Address:		Company:																							
City: State: Zip:		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name: T-N-T Landfarm		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name: TLS		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	TOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME												
H101801																									
-1	Cell #1 Vadose	1			✓							8/24/11	8:00	CL- TPH 2015 BTEX											
2	Cell #2 Vadose	1			✓								8:05												
3	Cell #6 Vadose	1			✓								8:25												
4	Cell #7 Vadose	1			✓								8:30												
5	Cell #8 Vadose	1			✓								8:35												
6	Cell #10 Vadose	1			✓								8:45												
7	Cell #11 Vadose	1			✓								8:55												
8	Cell #12 Vadose	1			✓								9:05												

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Relinquished By:	Date: 8/24/11 Time: 12:00	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 52			REMARKS:	
Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			CHECKED BY: (Initials) JS	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: T-N-T				BILL TO				ANALYSIS REQUEST																	
Project Manager:				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> CL- TPH 8015 BTEX </div> <div style="width: 85%;"></div> </div>																	
Address:				Company:																					
City: State: Zip:				Attn:																					
Phone #: Fax #:				Address:																					
Project #: Project Owner:				City:																					
Project Name: T-N-T Landfarm				State: Zip:																					
Project Location:				Phone #:																					
Sampler Name: TLS				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H1D1809																									
-1 Cell #1 Vadose				1								8/24/11 8:00													
2 Cell #2 Vadose				1								8:05													
3 Cell #6 Vadose				1								8:25													
4 Cell #7 Vadose				1								8:30													
5 Cell #8 Vadose				1								8:35													
6 Cell #10 Vadose				1								8:45													
7 Cell #11 Vadose				1								8:55													
8 Cell #12 Vadose				1								9:05													

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Relinquished By:		Date: 8/26/11	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 12:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		(Initials) 	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

~~-2476~~ 26



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: T-N-T Environmental
 Contact: Chris Schmitz
 Address: HCR 94 Box 113
Lindrih N.M 87024
 Phone Number: 575-774-6504
 FAX Number: 575-774-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name:

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227												Analyses Required								Comments			
Address: 75 Suttle Street, Durango, CO 81303													TPH	BTEX	chloride								
Sample ID	Collection		Miscellaneous				Preservative(s)																
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)											
1. cell #1 Vudore	8-24-11	8:00	TLS	3	1	N	X							✓	✓	✓							
2. #2		8:05												✓	✓	✓							
3. #3		8:10												✓	✓	✓							
4. #4		8:15												✓	✓	✓							
5. #5		8:20												✓	✓	✓							
6. #6		8:25												✓	✓	✓							
7. #7		8:30												✓	✓	✓							
8. #8		8:35												✓	✓	✓							
9. #9		8:40												✓	✓	✓							
10. #10		8:45												✓	✓	✓							

Relinquished by: <u>[Signature]</u>	Date: <u>8-25-11</u>	Time: <u>1:30</u>	Received by: <u>[Signature]</u>	Date: <u>8-25-11</u>	Time: <u>1:33</u>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: [] Return [] Dispose [] Store (30 Days)



CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: T-N-T Environmental

Contact: _____

Address: _____

Phone Number: _____

FAX Number: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: _____

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227												Analyses Required								Comments		
Address: 75 Suttle Street, Durango, CO 81303																						
Sample ID	Collection		Miscellaneous				Preservative(s)															
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)										
1. coll # 11 Vadoz	8-24-11	8:55	TLS	3	1	N	X						TPH									
2. coll # 12 Vadozo	8-24-11	9:05	TLS	3	1	N	X						BTEX									
3.													Chloride									
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						
Relinquished by: _____			Date: 8-25-11		Time: 1:30		Received by: _____			Date: 8-25-11		Time: 1:30										
Relinquished by: _____			Date: _____		Time: _____		Received by: _____			Date: _____		Time: _____										

* Sample Reject: [] Return [] Dispose [] Store (30 Days)



CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: A-n-T Environmental
 Contact: Craig Schmitz
 Address: 11274 Box 113
Leek, Th. NM 87039
 Phone Number: 505-330-2130
 FAX Number: 575-777-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# _____

Project Name: _____

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Samplers Signature: _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227												Analyses Required								Comments			
Address: 75 Suttle Street, Durango, CO 81303													BTX	TPH	chloride								
Sample ID	Collection		Miscellaneous				Preservative(s)																
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)											
1 cell # 3 vodoza	9-7-11	1:00	CS	3	1	2	✓							✓	✓	✓							
2. #4	" "	1:15	↓	↓	↓	↓	✓							✓	✓	✓							
3. #5	" "	1:30	↓	↓	↓	↓	✓							✓	✓	✓							
4. #9	" "	1:45	↓	↓	↓	↓	✓							✓	✓	✓							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

Relinquished by:	Date:	Time:	Received by: <u>[Signature]</u>	Date: <u>11/8/11</u>	Time: <u>1:45</u>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

☐ No Water Detected

June 20, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 06/13/11 13:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

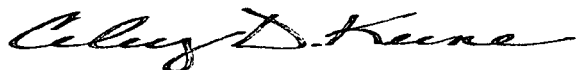
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

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

RECEIVED OGD
2011 JUL -1 P 1:19

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #1 TREATMENT (H101220-01)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9	
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9	
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6	

Surrogate: Dibromofluoromethane 97.9 % 80-120

Surrogate: Toluene-d8 84.9 % 80-120

Surrogate: 4-Bromofluorobenzene 108 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
DRO >C10-C28	1030	50.0	06/17/2011	ND	150	75.0	200	2.31		

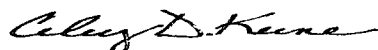
Surrogate: 1-Chlorooctane 121 % 70-130

Surrogate: 1-Chlorooctadecane 145 % 70-130

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #2 TREATMENT (H101220-02)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 101 % 80-120

Surrogate: Toluene-d8 84.9 % 80-120

Surrogate: 4-Bromofluorobenzene 105 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	47.1	10.0	06/17/2011	ND	150	75.0	200	2.31	

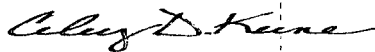
Surrogate: 1-Chlorooctane 111 % 70-130

Surrogate: 1-Chlorooctadecane 124 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #3 TREATMENT (H101220-03)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9	
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9	
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6	

Surrogate: Dibromofluoromethane 108 % 80-120

Surrogate: Toluene-d8 57.9 % 80-120

Surrogate: 4-Bromofluorobenzene 130 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	14000	1000	06/20/2011	ND	1140	113	1010	0.873	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	4000	50.0	06/17/2011	ND	150	75.0	200	2.31	

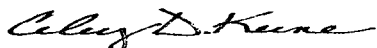
Surrogate: 1-Chlorooctane 102 % 70-130

Surrogate: 1-Chlorooctadecane 88.9 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #4 TREATMENT (H101220-04)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 112 % 80-120

Surrogate: Toluene-d8 92.3 % 80-120

Surrogate: 4-Bromofluorobenzene 125 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	4640	100	06/20/2011	ND	1140	113	1010	0.873		

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
DRO >C10-C28	1100	50.0	06/17/2011	ND	150	75.0	200	2.31		

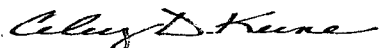
Surrogate: 1-Chlorooctane 96.4 % 70-130

Surrogate: 1-Chlorooctadecane 102 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #5 TREATMENT (H101220-05)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 92.7 % 80-120

Surrogate: Toluene-d8 83.9 % 80-120

Surrogate: 4-Bromofluorobenzene 106 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
DRO >C10-C28	1490	10.0	06/17/2011	ND	150	75.0	200	2.31		


Surrogate: 1-Chlorooctane 88.6 % 70-130

Surrogate: 1-Chlorooctadecane 77.6 % 70-130

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Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #6 TREATMENT (H101220-06)

BTEX 8260B			mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 99.5 % 80-120

Surrogate: Toluene-d8 82.7 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	335	100	06/20/2011	ND	1140	113	1010	0.873	

TPH 8015M		mg/kg		Analyzed By: ab				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	87.0	10.0	06/17/2011	ND	150	75.0	200	2.31	

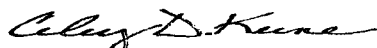
Surrogate: 1-Chlorooctane 62.6 % 70-130

Surrogate: 1-Chlorooctadecane 74.9 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/20/2011
Project Name: LANDFARM
Project Number: TREATMENT ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #7 TREATMENT (H101220-07)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 96.4 % 80-120

Surrogate: Toluene-d8 81.6 % 80-120

Surrogate: 4-Bromofluorobenzene 113 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	1030	100	06/20/2011	ND	1140	113	1010	0.873		

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
DRO >C10-C28	72.6	10.0	06/17/2011	ND	150	75.0	200	2.31		

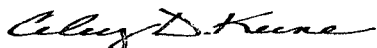
Surrogate: 1-Chlorooctane 84.3 % 70-130

Surrogate: 1-Chlorooctadecane 98.8 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #8 TREATMENT (H101220-08)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 93.2 % 80-120

Surrogate: Toluene-d8 85.6 % 80-120

Surrogate: 4-Bromofluorobenzene 115 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	187	93.3	200	5.61	


Surrogate: 1-Chlorooctane 58.8 % 70-130

Surrogate: 1-Chlorooctadecane 75.8 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #9 TREATMENT (H101220-09)

BTEX 8260B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9	
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9	
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6	

Surrogate: Dibromofluoromethane 101 % 80-120

Surrogate: Toluene-d8 87.1 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	187	93.3	200	5.61	

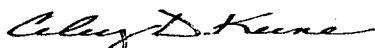
Surrogate: 1-Chlorooctane 53.3 % 70-130

Surrogate: 1-Chlorooctadecane 84.0 % 70-130

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #10 TREATMENT (H101220-10)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 108 % 80-120

Surrogate: Toluene-d8 86.5 % 80-120

Surrogate: 4-Bromofluorobenzene 103 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	46.6	10.0	06/16/2011	ND	187	93.3	200	5.61	


Surrogate: 1-Chlorooctane 70.3 % 70-130

Surrogate: 1-Chlorooctadecane 91.3 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #11 TREATMENT (H101220-11)

BTX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9		
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3		
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9		
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6		

Surrogate: Dibromofluoromethane 103 % 80-120

Surrogate: Toluene-d8 83.0 % 80-120

Surrogate: 4-Bromofluorobenzene 114 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	1150	100	06/20/2011	ND	1140	113	1010	0.873	

TPH 8015M		mg/kg		Analyzed By: AB					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
DRO >C10-C28	12.1	10.0	06/16/2011	ND	187	93.3	200	5.61		

Surrogate: 1-Chlorooctane 66.2 % 70-130

Surrogate: 1-Chlorooctadecane 87.5 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2011
 Reported: 06/20/2011
 Project Name: LANDFARM
 Project Number: TREATMENT ZONE
 Project Location: NOT GIVEN

 Sampling Date: 06/08/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: CELL #12 TREATMENT (H101220-12)

BTX 8260B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2011	ND	0.023	113	0.0200	10.9	
Toluene*	<0.050	0.050	06/17/2011	ND	0.022	109	0.0200	10.3	
Ethylbenzene*	<0.050	0.050	06/17/2011	ND	0.020	101	0.0200	10.9	
Total Xylenes*	<0.150	0.150	06/17/2011	ND	0.061	102	0.0600	11.6	

Surrogate: Dibromofluoromethane 94.6 % 80-120

Surrogate: Toluene-d8 83.0 % 80-120

Surrogate: 4-Bromofluorobenzene 112 % 80-120

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 418.1		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	1340	100	06/20/2011	ND	1140	113	1010	0.873	

TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	187	93.3	200	5.61	


Surrogate: 1-Chlorooctane 56.4 % 70-130

Surrogate: 1-Chlorooctadecane 87.7 % 70-130

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

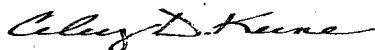
Notes and Definitions

S-LOW	Low surrogate recovery confirmed as a matrix effect by a second analysis.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: FVT Environmental Inc

NOTES:

Contact: Craig Schmitz

1) Ensure proper container packaging.

Address: 70 0510 Rd

2) Ship samples promptly following collection.

Linderoth N.M. 87024

3) Designate Sample Reject Disposition.

Phone Number: 505-320-2737

PO#

FAX Number: 575-774-9116

Project Name:

Table 1. - Matrix Type	
1 = Surface Water, 2 = Ground Water	
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil	
6 = Waste, 7 = Other (Specify) _____	

FOR GAL USE ONLY

GAL JOB #

Samplers Signature:

Lab Name: Green Analytical Laboratories		(970) 247-4220		FAX (970) 247-4227		Analyses Required										Comments										
Address: 75 Suttle Street, Durango, CO 81303																										
Sample ID	Collection		Collected by: (Init.)	Miscellaneous			Preservative(s)																			
	Date	Time		Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)														
H101220															TPH 418.1											
-1	1 cell #1 Treatment	6-8-11	8:00	C.S	3	1	N	✓								TPH 8015 M DRO	✓	✓	✓	✓						
2	2. " #2 "		8:15													✓	✓	✓	✓							
3	3. " #3 "		8:30													✓	✓	✓	✓							
4	4. " #4 "		8:45													✓	✓	✓	✓							
5	5. " #5 "		9:00													✓	✓	✓	✓							
6	6. " #6 "		9:15													✓	✓	✓	✓							
7	7. " #7 "		9:30													✓	✓	✓	✓							
8	8. " #8 "		9:45													✓	✓	✓	✓							
9	9. " #9 "		10:00													✓	✓	✓	✓							
10	10. " #10 "		10:15													✓	✓	✓	✓							
Relinquished by: <u>Darlene Schmitz</u>				Date: <u>6/10/11</u>		Time: <u>12:30P</u>		Received by: <u>John Fullin</u>				Date: <u>6/13/11</u>		Time: <u>1:45</u>												
Relinquished by: <u>John Fullin</u>				Date: <u>6/10/11</u>		Time: <u>12:30P</u>		Received by: <u>John Fullin</u>				Date: <u>6/13/11</u>		Time: <u>1:45</u>												

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20°C #26

June 17, 2011

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 06/13/11 13:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

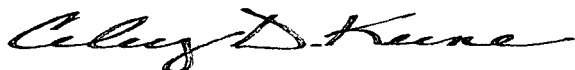
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

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

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 1 VADOSE (H101219-01)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477	
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727	
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798	
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03	

Surrogate: 4-Bromofluorobenzene (PIL) 99.6 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/16/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	150	75.0	200	2.31	

Surrogate: 1-Chlorooctane 80.3 % 70-130

Surrogate: 1-Chlorooctadecane 105 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 2 VADOSE (H101219-02)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477	
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727	
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798	
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03	

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/16/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	150	75.0	200	2.31	

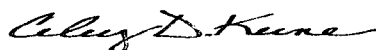
Surrogate: 1-Chlorooctane 79.4 % 70-130

Surrogate: 1-Chlorooctadecane 112 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 3 VADOSE (H101219-03)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 99.4 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/16/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	150	75.0	200	2.31	

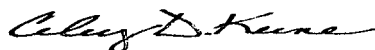
Surrogate: 1-Chlorooctane 99.4 % 70-130

Surrogate: 1-Chlorooctadecane 120 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #4 VADOSE (H101219-04)

BTEX 8021B			mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PII) 99.4 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/16/2011	ND	167	83.6	200	3.30		
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	150	75.0	200	2.31		

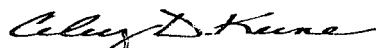
Surrogate: 1-Chlorooctane 104 % 70-130

Surrogate: 1-Chlorooctadecane 127 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL #5 VADOSE (H101219-05)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/16/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/16/2011	ND	150	75.0	200	2.31	

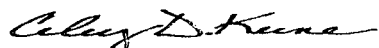
Surrogate: 1-Chlorooctane 46.8 % 70-130

Surrogate: 1-Chlorooctadecane 84.8 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 6 VADOSE (H101219-06)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477	
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727	
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798	
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03	

Surrogate: 4-Bromofluorobenzene (PIL) 97.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	

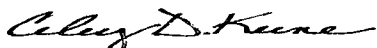
Surrogate: 1-Chlorooctane 84.4 % 70-130

Surrogate: 1-Chlorooctadecane 115 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 7 VADOSE (H101219-07)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	


Surrogate: 1-Chlorooctane 58.6 % 70-130

Surrogate: 1-Chlorooctadecane 90.1 % 70-130

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Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 8 VADOSE (H101219-08)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 97.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	

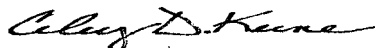
Surrogate: 1-Chlorooctane 75.9 % 70-130

Surrogate: 1-Chlorooctadecane 114 % 70-130

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Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 9 VADOSE (H101219-09)

BTEX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477	
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727	
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798	
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03	

Surrogate: 4-Bromofluorobenzene (PII) 97.8 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	


Surrogate: 1-Chlorooctane 102 % 70-130

Surrogate: 1-Chlorooctadecane 121 % 70-130

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Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 10 VADOSE (H101219-10)

BTEX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477	
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727	
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798	
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03	

Surrogate: 4-Bromofluorobenzene (PIL) 94.6 % 70-130

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	

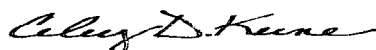
Surrogate: 1-Chlorooctane 74.2 % 70-130

Surrogate: 1-Chlorooctadecane 111 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 11 VADOSE (H101219-11)

BTEX 8021B			mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 97.3 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30	
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31	

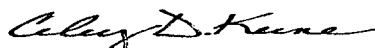
Surrogate: 1-Chlorooctane 76.8 % 70-130

Surrogate: 1-Chlorooctadecane 111 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2011
Reported: 06/17/2011
Project Name: LANDFARM
Project Number: VADOSE ZONE
Project Location: NOT GIVEN

Sampling Date: 06/08/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: CELL # 12 VADOSE (H101219-12)

BTEX 8021B			mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2011	ND	1.93	96.7	2.00	0.477		
Toluene*	<0.050	0.050	06/15/2011	ND	2.05	102	2.00	0.727		
Ethylbenzene*	<0.050	0.050	06/15/2011	ND	2.05	103	2.00	0.798		
Total Xylenes*	<0.150	0.150	06/15/2011	ND	6.02	100	6.00	1.03		

Surrogate: 4-Bromofluorobenzene (PIL) 97.6 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/14/2011	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/17/2011	ND	167	83.6	200	3.30		
DRO >C10-C28	<10.0	10.0	06/17/2011	ND	150	75.0	200	2.31		

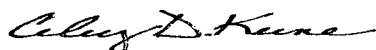
Surrogate: 1-Chlorooctane 70.5 % 70-130

Surrogate: 1-Chlorooctadecane 100 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

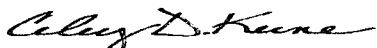
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 D. Keene, Lab Director/Quality Manager



CHAIN OF CUSTODY RECORD

Page 1 of 2

Client: TUT ENVIRONMENTAL
 Contact: CRAIG SCHMITZ
 Address: 70 POTOSI
LINDRITH N.M. 87029
 Phone Number: 505-320-2130
 FAX Number: 505-774-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: LAND FARM

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

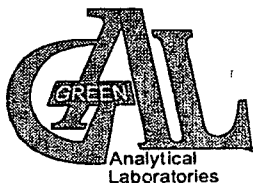
GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227										Analyses Required										Comments		
Address: 75 Suttle Street, Durango, CO 81303																						
Sample ID	Collection		Miscellaneous			Preservative(s)																
	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)										
H101219																						
1. CELL #1 VADOSE	6/8/11	8:00	TL5	3	1	N	✓						T.P.H DRC/GRC	✓	✓	✓						
2. #2		8:45																				
3. #3		8:30																				
4. #4		8:45																				
5. #5		9:00																				
6. #6		9:15																				
7. #7		9:30																				
8. #8		9:45																				
9. #9		10:00																				
10. #10		10:15																				
Relinquished by: <u>Darlene Schmitz</u>							Date: <u>6/10/11</u>	Time: <u>10:30</u>	Received by: <u>[Signature]</u>							Date: _____	Time: _____					
Relinquished by: <u>[Signature]</u>							Date: _____	Time: _____	Received by: <u>[Signature]</u>							Date: <u>6/13/11</u>	Time: <u>1:45</u>					

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20°C #26



CHAIN OF CUSTODY RECORD

Page 2 of 2

Client: TNT ENVIRONMENTAL
Contact: CRAIG SCHMITZ
Address: 70 OTTO RD
HINDRITH NM 87029
Phone Number: 505-320-2130
FAX Number: 505-774-9116

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO#

Project Name: LAND FARM

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227		Analyses Required										Comments		
Address: 75 Suttle Street, Durango, CO 81303		Collection		Miscellaneous			Preservative(s)							
Sample ID	Date	Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH		Other (Specify)	
H101219														
1. CELL #11 VADSE	6/8/11	10:30	TLS	3	1	N	✓						T.P.H. DRD/G.R.	
2. #12	"	10:45	✓	✓		✓	✓						BTEX	
3.													Chloride	
4.														
5.														
6.														
7.														
8.														
9.														
10.														
Relinquished by: <u>Darlene Schmitz</u>		Date: <u>6/10/11</u>	Time: <u>12:30</u>	Received by: <u>[Signature]</u>		Date: _____	Time: _____							
Relinquished by: <u>Ke Fullin</u>		Date: _____	Time: _____	Received by: <u>Godi Henderson</u>		Date: <u>6/13/11</u>	Time: <u>1:45</u>							

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

20°C #26