

Enervest Operation Meyers B - 27 #3

Write a description for your map.

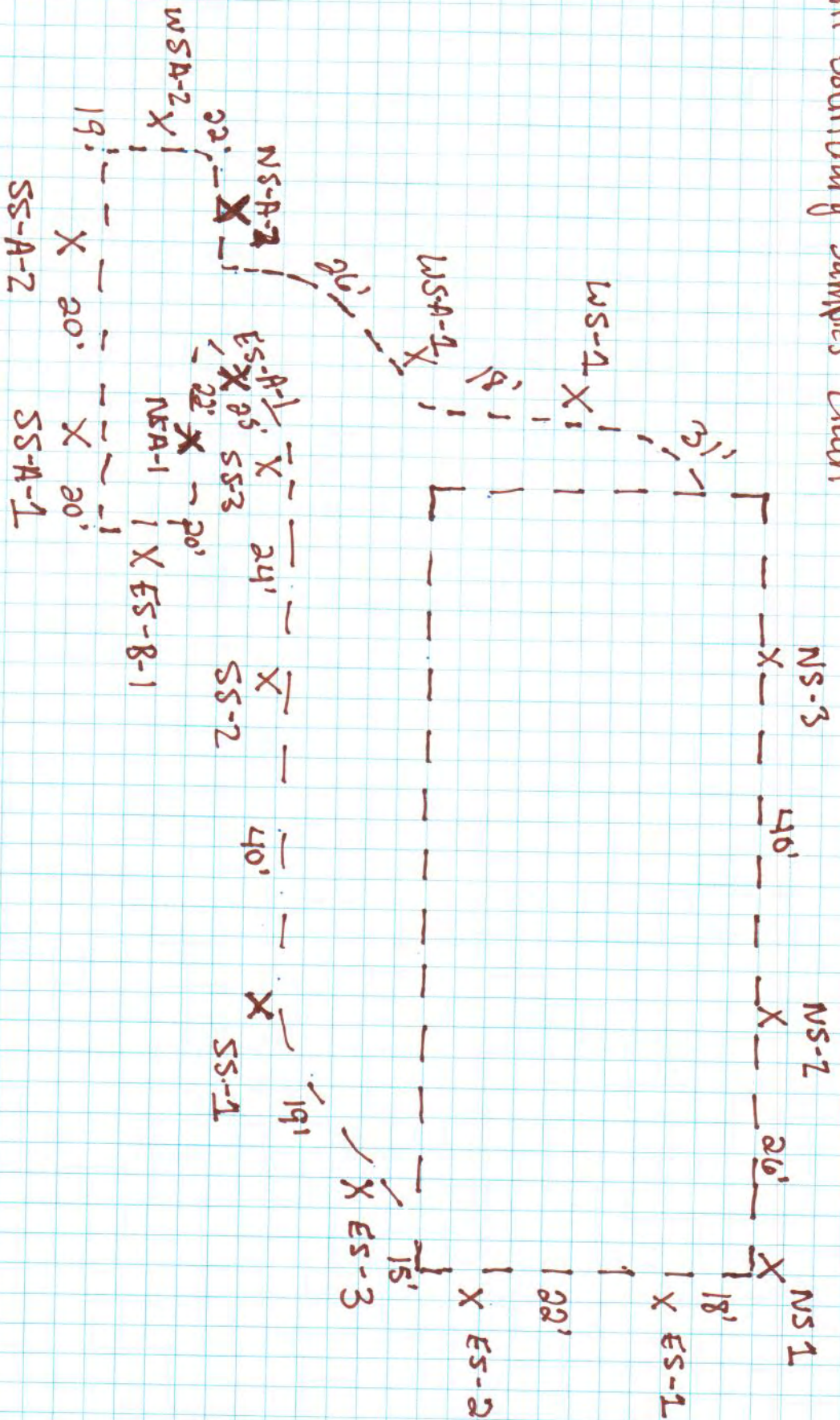
Legend



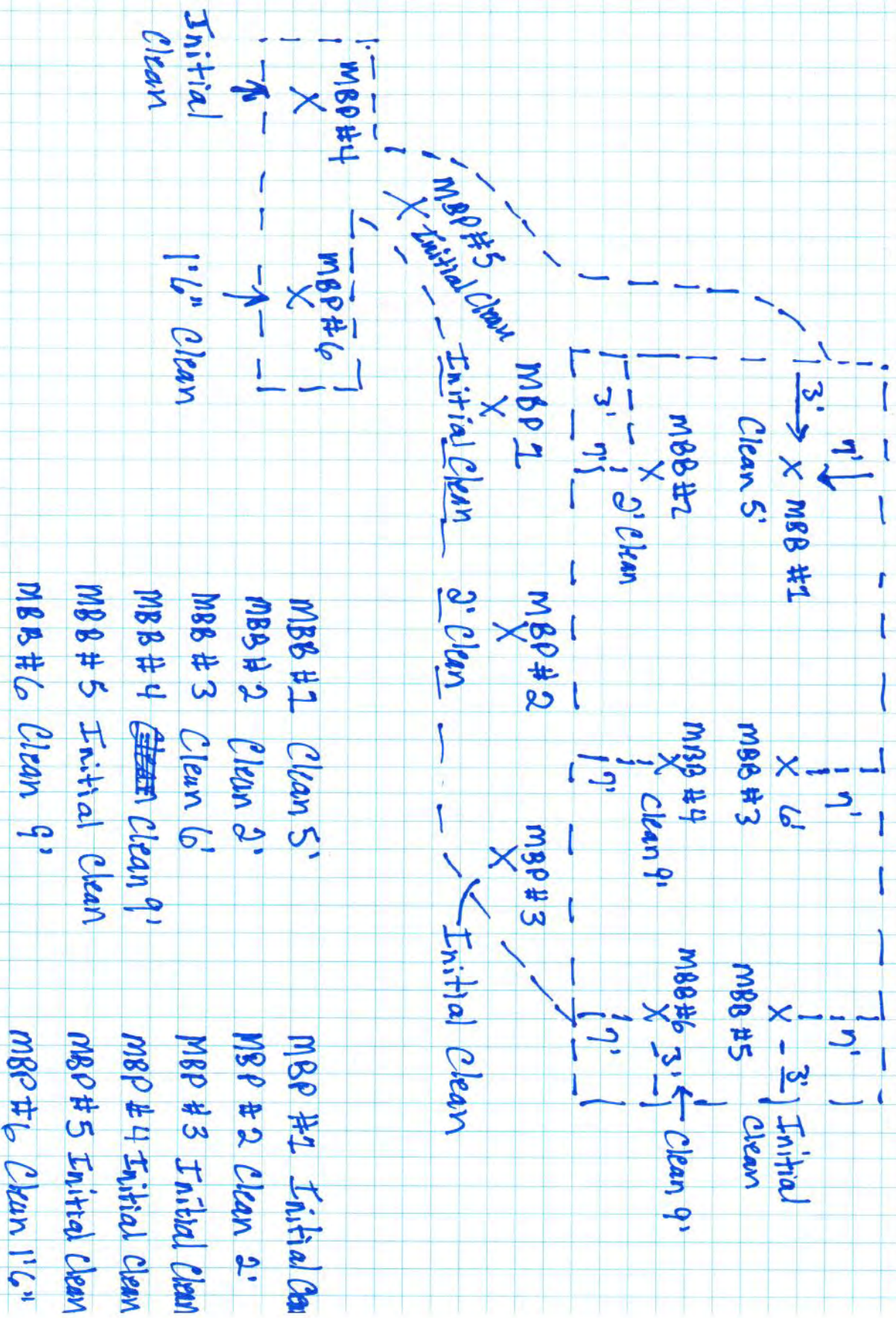


Meyers B-27 # 3
Boundary Samples

All Boundary Samples Clean



Meyers 8-27 #3 Containment Samples Pasture Samples





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

August 21, 2017

W. PILKINGTON

ENERVEST

2700 FARMINGTON BLD K SUITE #1

FARMINGTON, NM 87401

RE: MEYERS B-27 #3

Enclosed are the results of analyses for samples received by the laboratory on 08/18/17 11:58.

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

Celest D. Keene

Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/18/2017
Reported: 08/21/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: MBB #6 @ 9' (H702207-01)

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	08/19/2017	ND	1.75	87.6	2.00	2.68			
Toluene*	<0.050	0.050	08/19/2017	ND	1.78	89.1	2.00	2.42			
Ethylbenzene*	<0.050	0.050	08/19/2017	ND	1.89	94.6	2.00	2.18			
Total Xylenes*	<0.150	0.150	08/19/2017	ND	5.65	94.2	6.00	1.88			
Total BTEX	<0.300	0.300	08/19/2017	ND							

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	08/18/2017	ND	432	108	400	3.64			

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	08/19/2017	ND	188	94.2	200	0.847			
DRO >C10-C28	26.4	10.0	08/19/2017	ND	191	95.7	200	0.337			
EXT DRO >C28-C36	<10.0	10.0	08/19/2017	ND							

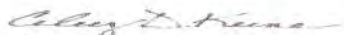
Surrogate: 1-Chlorooctane 88.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.9 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/18/2017
Reported: 08/21/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: MBB #6 @ 11' (H702207-02)
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	08/19/2017	ND	1.75	87.6	2.00	2.68	
Toluene*	<0.050	0.050	08/19/2017	ND	1.78	89.1	2.00	2.42	
Ethylbenzene*	<0.050	0.050	08/19/2017	ND	1.89	94.6	2.00	2.18	
Total Xylenes*	<0.150	0.150	08/19/2017	ND	5.65	94.2	6.00	1.88	
Total BTEX	<0.300	0.300	08/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 72-148

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2017	ND	432	108	400	3.64	

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	08/19/2017	ND	188	94.2	200	0.847	
DRO >C10-C28	<10.0	10.0	08/19/2017	ND	191	95.7	200	0.337	
EXT DRO >C28-C36	<10.0	10.0	08/19/2017	ND					

Surrogate: 1-Chlorooctane 93.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.9 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/18/2017
Reported: 08/21/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: MBB #4 @ 9' (H702207-03)
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	08/19/2017	ND	1.75	87.6	2.00	2.68	
Toluene*	<0.050	0.050	08/19/2017	ND	1.78	89.1	2.00	2.42	
Ethylbenzene*	<0.050	0.050	08/19/2017	ND	1.89	94.6	2.00	2.18	
Total Xylenes*	<0.150	0.150	08/19/2017	ND	5.65	94.2	6.00	1.88	
Total BTEX	<0.300	0.300	08/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 72-148

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2017	ND	432	108	400	3.64	

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	08/19/2017	ND	188	94.2	200	0.847	
DRO >C10-C28	<10.0	10.0	08/19/2017	ND	191	95.7	200	0.337	
EXT DRO >C28-C36	<10.0	10.0	08/19/2017	ND					

Surrogate: 1-Chlorooctane 94.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

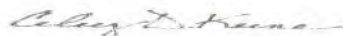
Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: **ENERVEST**
Project Manager: **WILLIAM P. KINGSTON**
Address: **701**
City: **701** State: **NM** Zip: **88252**
Phone #: **701** Fax #: **701**
Project #: **701**
Project Name: **MEYER B-27, #3**
Project Location: **NE OF OIL CENTER, N.M.**
Project Owner: **Don Barrett**
City: **701** State: **NM** Zip: **88252**
Phone #: **701** Fax #: **701**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	Ext	BTEX	CL								
	MB0#6 (C) 9'		1	✓			8-17-17	3:45												
	MB0#6 (C) 11'		1																	
	MB0#6 (C) 4'		1																	

Relinquished By: **Don Barrett** Date: **8-17-17** Received By: **Quinn Chabaz**
Time: **11:55**
Relinquished By: **Don Barrett** Date: **8-17-17** Received By: **Quinn Chabaz**
Time: **11:55**
Delivered By: (Circle One) **4.18**
Sampler - UPS - Bus - Other: **Container 4.38**
Sample Condition: **Yes** ☒ Cool ☐ Intact ☐
CHECKED BY: **TDH**
Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #: **701**
Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #: **701**
REMARKS: **Don Barrett**
Don Barrett
Don Barrett

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

August 16, 2017

W. PILKINGTON

ENERVEST

2700 FARMINGTON BLD K SUITE #1

FARMINGTON, NM 87401

RE: MEYERS B-27 #3

Enclosed are the results of analyses for samples received by the laboratory on 08/15/17 13:50.

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

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NS -1 (H702154-01)
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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 89.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.3 % 34.7-157

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NS -2 (H702154-02)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 82.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.6 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NS -3 (H702154-03)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 83.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.6 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ES -1 (H702154-04)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

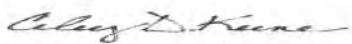
Surrogate: 1-Chlorooctane 82.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.6 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ES -2 (H702154-05)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 72-148

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 88.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 93.5 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES -3 (H702154-06)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 86.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 93.1 % 34.7-157

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Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WS -1 (H702154-07)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 82.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.8 % 34.7-157

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Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WS- A -1 (H702154-08)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 92.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 95.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WS- A -2 (H702154-09)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 77.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.9 % 34.7-157

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Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NS- A -1 (H702154-10)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

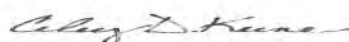
Surrogate: 1-Chlorooctane 86.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.7 % 34.7-157

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Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NS- A -2 (H702154-11)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 97.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 102 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ES- A -1 (H702154-12)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

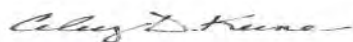
Surrogate: 1-Chlorooctane 97.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 104 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

 SS
 Sample ID: ~~88~~ A -2 (H702154-13)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 92.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 101 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: ES- B -1 (H702154-14)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10		
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40		
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND						

Surrogate: 1-Chlorooctane 95.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 99.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

 SSA-1
 Sample ID: ~~BS-B-11~~ (H702154-15)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 91.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST
W. PILKINGTON
2700 FARMINGTON BLD K SUITE #1
FARMINGTON NM, 87401
Fax To: NOT GIVEN

Received: 08/15/2017
Reported: 08/16/2017
Project Name: MEYERS B-27 #3
Project Number: NONE GIVEN
Project Location: OIL CENTER NM

Sampling Date: 08/15/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS -1 (H702154-16)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEx	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 99.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 105 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SS -2 (H702154-17)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 89.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.1 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST
 W. PILKINGTON
 2700 FARMINGTON BLD K SUITE #1
 FARMINGTON NM, 87401
 Fax To: NOT GIVEN

 Received: 08/15/2017
 Reported: 08/16/2017
 Project Name: MEYERS B-27 #3
 Project Number: NONE GIVEN
 Project Location: OIL CENTER NM

 Sampling Date: 08/15/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SS -3 (H702154-18)

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	08/16/2017	ND	1.80	89.9	2.00	2.76	
Toluene*	<0.050	0.050	08/16/2017	ND	1.71	85.3	2.00	2.89	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.78	88.9	2.00	2.30	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.35	89.1	6.00	2.50	
Total BTX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2017	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	08/16/2017	ND	200	99.9	200	0.460	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	205	102	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 96.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 100 % 34.7-157

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

1032

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:

ENERVEST

Project Manager:

~~Michael Hill~~ Hill

Address:

101 E Panther

City:

JAL

State: NM Zip: 88252

Phone #:

575 631 2624 Fax #: 575 395 2162

Project #:

Project Owner: ENERVest

Project Name: MEYERS B-27 #3

Project Location: NE of ~~ROPER~~ CIL CENTER, NM.

Sample Name:

Flow 1 4/6/04

BILL TO

P.O. #:

Company: ENERVest

Attn: W. P. KINGTON

Address: 1001 Grand St

City: Hobbs

State: NM Zip: 88240

Phone #: 325-387-1764

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H702154

1 NS-1
2 NS-2
3 NS-3
4 ES-1
5 ES-2
6 ES-3
7 WS-1
8 WS-A-1
9 WS-A-2

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

DATE TIME

8-15-17 11:30

TPH - Dro - Gro - Meo

BTEX

CL

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Relinquished By:

Date: 8-15-17

Received By:

Relinquished By:

Date: 8-15-17

Received By:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: #75 3.656342

Sample Condition

CHECKED BY:

Cool Intact

Yes No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 + 760

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Emmanuel @pantherenergy.net
Lujan Andri@yahoo.com

Emmanuel



CARDINAL
Laboratories

2 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: **ENERVEST**

Project Manager: **JOE B. BROWN**

Address: **101 E Panther**

City: **JAL**

Phone #: **575 631 2621**

Project #:

Project Name: **MEYERS B-27 #2**

Project Location: **NE OF OIL CENTER, NM**

Sample Name: **Art 1 Log**

FOR LAB USE ONLY

P.O. #:

Company: **ENERVEST**

Attn: **W. PLUMINGTON**

Address: **1001 GARDEN ST**

City: **HOUSTON**

State: **NM** Zip: **88252**

Phone #: **361-387-1286**

Fax #:

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

4102154

11 NS-A-1
12 ES-A-1
13 ES-A-2
14 ES-B-1
15 ES-B-2
16 SS-B-1
17 SS-B-2
18 SS-03

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE

ICE / COOL

OTHER:

DATE

TIME

TPH - Dro - Geo - Mro

PTX

CL

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Relinquished By:

Relinquished By:

Date: **3-15-17**

Time: **1:50**

Date:

Time:

Received By:

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

Phone Result:

Fax Result:

Yes Yes

No No

REMARKS:

Emmanuel @ furtherenergy.net
Lujan, Arnel@yahoo.com

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

ANALYSIS REQUEST

August 17, 2017

WILLIAM PILKINGTON

ENERVEST - JAL

HWY 128 WEST

JAL, NM 88252

RE: MEYERS #3

Enclosed are the results of analyses for samples received by the laboratory on 08/16/17 15:35.

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

 ENERVEST - JAL
 WILLIAM PILKINGTON
 HWY 128 WEST
 JAL NM, 88252
 Fax To: UNKNOWN

 Received: 08/16/2017
 Reported: 08/17/2017
 Project Name: MEYERS #3
 Project Number: B-27
 Project Location: MEYERS B-27 #3

 Sampling Date: 08/16/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MBB #3 72" (H702165-01)

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	08/17/2017	ND	2.06	103	2.00	1.77	
Toluene*	<0.050	0.050	08/17/2017	ND	1.97	98.3	2.00	0.0308	
Ethylbenzene*	<0.050	0.050	08/17/2017	ND	2.06	103	2.00	0.0464	
Total Xylenes*	<0.150	0.150	08/17/2017	ND	6.11	102	6.00	0.290	
Total BTX	<0.300	0.300	08/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/17/2017	ND	416	104	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	08/16/2017	ND	202	101	200	0.659	
DRO >C10-C28	<10.0	10.0	08/16/2017	ND	197	98.7	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	08/16/2017	ND					

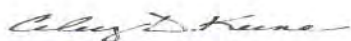
Surrogate: 1-Chlorooctane 93.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.4 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ENERVEST - JAL
 WILLIAM PILKINGTON
 HWY 128 WEST
 JAL NM, 88252
 Fax To: UNKNOWN

 Received: 08/16/2017
 Reported: 08/17/2017
 Project Name: MEYERS #3
 Project Number: B-27
 Project Location: MEYERS B-27 #3

 Sampling Date: 08/16/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MBP #6 16" (H702165-02)

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	08/17/2017	ND	2.06	103	2.00	1.77	
Toluene*	<0.050	0.050	08/17/2017	ND	1.97	98.3	2.00	0.0308	
Ethylbenzene*	<0.050	0.050	08/17/2017	ND	2.06	103	2.00	0.0464	
Total Xylenes*	<0.150	0.150	08/17/2017	ND	6.11	102	6.00	0.290	
Total BTX	<0.300	0.300	08/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/17/2017	ND	416	104	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	08/17/2017	ND	202	101	200	0.659	
DRO >C10-C28	<10.0	10.0	08/17/2017	ND	197	98.7	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	08/17/2017	ND					

Surrogate: 1-Chlorooctane 94.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.7 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST - JAL
WILLIAM PILKINGTON
HWY 128 WEST
JAL NM, 88252
Fax To: UNKNOWN

Received: 08/16/2017
Reported: 08/17/2017
Project Name: MEYERS #3
Project Number: B-27
Project Location: MEYERS B-27 #3

Sampling Date: 08/16/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MBP #2 24" (H702165-03)

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	08/17/2017	ND	2.06	103	2.00	1.77	
Toluene*	<0.050	0.050	08/17/2017	ND	1.97	98.3	2.00	0.0308	
Ethylbenzene*	<0.050	0.050	08/17/2017	ND	2.06	103	2.00	0.0464	
Total Xylenes*	<0.150	0.150	08/17/2017	ND	6.11	102	6.00	0.290	
Total BTX	<0.300	0.300	08/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/17/2017	ND	416	104	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	08/17/2017	ND	202	101	200	0.659	
DRO >C10-C28	<10.0	10.0	08/17/2017	ND	197	98.7	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	08/17/2017	ND					

Surrogate: 1-Chlorooctane 96.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.9 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST - JAL
WILLIAM PILKINGTON
HWY 128 WEST
JAL NM, 88252
Fax To: UNKNOWN

Received: 08/16/2017
Reported: 08/17/2017
Project Name: MEYERS #3
Project Number: B-27
Project Location: MEYERS B-27 #3

Sampling Date: 08/16/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MBB #1 60" (H702165-04)

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	08/17/2017	ND	2.06	103	2.00	1.77	
Toluene*	<0.050	0.050	08/17/2017	ND	1.97	98.3	2.00	0.0308	
Ethylbenzene*	<0.050	0.050	08/17/2017	ND	2.06	103	2.00	0.0464	
Total Xylenes*	<0.150	0.150	08/17/2017	ND	6.11	102	6.00	0.290	
Total BTX	<0.300	0.300	08/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/17/2017	ND	416	104	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	08/17/2017	ND	202	101	200	0.659	
DRO >C10-C28	<10.0	10.0	08/17/2017	ND	197	98.7	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	08/17/2017	ND					

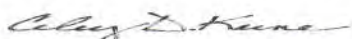
Surrogate: 1-Chlorooctane 103 % 28.3-164

Surrogate: 1-Chlorooctadecane 109 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENERVEST - JAL
WILLIAM PILKINGTON
HWY 128 WEST
JAL NM, 88252
Fax To: UNKNOWN

Received: 08/16/2017
Reported: 08/17/2017
Project Name: MEYERS #3
Project Number: B-27
Project Location: MEYERS B-27 #3

Sampling Date: 08/16/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MBB #2 24" (H702165-05)

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	08/17/2017	ND	2.06	103	2.00	1.77	
Toluene*	<0.050	0.050	08/17/2017	ND	1.97	98.3	2.00	0.0308	
Ethylbenzene*	<0.050	0.050	08/17/2017	ND	2.06	103	2.00	0.0464	
Total Xylenes*	<0.150	0.150	08/17/2017	ND	6.11	102	6.00	0.290	
Total BTX	<0.300	0.300	08/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/17/2017	ND	416	104	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	08/17/2017	ND	202	101	200	0.659	
DRO >C10-C28	<10.0	10.0	08/17/2017	ND	197	98.7	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	08/17/2017	ND					

Surrogate: 1-Chlorooctane 102 % 28.3-164

Surrogate: 1-Chlorooctadecane 104 % 34.7-157

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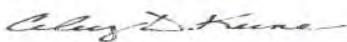
Notes and Definitions

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

Bus #11

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: *Everest Operating*
Project Manager: *Ariel Lyon*
Address: *101 E. Putner*

City: *501*

Phone #: *575 631 2424*

Project #:

Project Name: *Meyers D-27 #3*

Project Location:

Sampler Name: *Ariel Lyon*

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: *Everest*

Attn: *Perry Dawson*

Address: *1001 Gorman St*

City: *Houston*

State: *TX* Zip: *77062*

Phone #: *325-387-1286*

Fax #:

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER
ACID/BASE
ICE / COOL
OTHER

MATRIX

PRESERV

SAMPLING

DATE TIME

chloride
BTEX
TPH - Dec Geo Mro

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Relinquished By:

Relinquished By:

Date: *8/16/17*
Time: *3:35*
Received By: *Emmanuel @ PutnerEnergy.net*

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: *#75*

Sample Condition
Cool ☒ Yes ☐ No
Intact ☒ Yes ☐ No
Checked By: *Emmanuel @ PutnerEnergy.net*

Phone Result: ☐ Yes ☐ No
Fax Result: ☐ Yes ☐ No
Add'l Phone #: *Emmanuel @ PutnerEnergy.net*
Add'l Fax #: *lujon.ariel@yahoo.com*