

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (975) 393-2328

**Analytical Results For:**

 VICTORY SERVICES  
 JOSH RUTH  
 P. O. BOX 1148  
 EUNICE NM, 88231  
 Fax To: NONE

 Received: 11/18/2014  
 Reported: 11/20/2014  
 Project Name: WILLIAMS CLEANUP  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

 Sampling Date: 11/18/2014  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #1 (H403544-01)**

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.8	10.0	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	<10.0	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	116 %	47.2-157							
Surrogate: 1-Chlorooctadecane	127 %	52.1-176							

**Sample ID: SAMPLE #2 (H403544-02)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	10.5	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	115 %	47.2-157							
Surrogate: 1-Chlorooctadecane	126 %	52.1-176							

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:**

 VICTORY SERVICES  
 JOSH RUTH  
 P. O. BOX 1148  
 EUNICE NM, 88231  
 Fax To: NONE

 Received: 11/18/2014  
 Reported: 11/20/2014  
 Project Name: WILLIAMS CLEANUP  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

 Sampling Date: 11/18/2014  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #3 (H403544-03)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	<10.0	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	117 %	47.2-157							
Surrogate: 1-Chlorooctadecane	131 %	52.1-176							

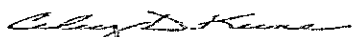
**Sample ID: SAMPLE #4 (H403544-04)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	59.7	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	116 %	47.2-157							
Surrogate: 1-Chlorooctadecane	127 %	52.1-176							

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:**

 VICTORY SERVICES  
 JOSH RUTH  
 P. O. BOX 1148  
 EUNICE NM, 88231  
 Fax To: NONE

 Received: 11/18/2014  
 Reported: 11/20/2014  
 Project Name: WILLIAMS CLEANUP  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

 Sampling Date: 11/18/2014  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #5 (H403544-05)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	<10.0	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	115 %	47.2-157							
Surrogate: 1-Chlorooctadecane	126 %	52.1-176							

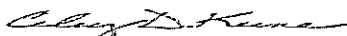
**Sample ID: SAMPLE #6 (H403544-06)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	20.7	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	119 %	47.2-157							
Surrogate: 1-Chlorooctadecane	132 %	52.1-176							

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:**VICTORY SERVICES  
JOSH RUTH  
P. O. BOX 1148  
EUNICE NM, 88231  
Fax To: NONEReceived: 11/18/2014  
Reported: 11/20/2014  
Project Name: WILLIAMS CLEANUP  
Project Number: NONE GIVEN  
Project Location: LEA COUNTY, NMSampling Date: 11/18/2014  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson**Sample ID: SAMPLE #7 (H403544-07)**

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	11/19/2014	ND	199	99.5	200	0.490	
DRO >C10-C28	18.5	10.0	11/19/2014	ND	205	103	200	0.499	
Surrogate: 1-Chlorooctane	119 %	47.2-157							
Surrogate: 1-Chlorooctadecane	132 %	52.1-176							

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

### Notes and Definitions


QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

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

November 20, 2014

JOSH RUTH  
VICTORY SERVICES  
P. O. BOX 1148  
EUNICE, NM 88231

RE: WILLIAMS CLEANUP

Enclosed are the results of analyses for samples received by the laboratory on 11/18/14 13:30.

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](http://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,

A handwritten signature in black ink, reading "Celey D. Keene". The signature is written in a cursive style with a large, stylized "C" and "K".

Celey D. Keene  
Lab Director/Quality Manager