



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

October 24, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HAWK 8 #46 GAS LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/16 8:45.

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

Cardinal Laboratories is 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:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H602372-01)

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	10/22/2016	ND	1.97	98.6	2.00	0.183		
Toluene*	<0.050	0.050	10/22/2016	ND	2.27	113	2.00	0.467		
Ethylbenzene*	<0.050	0.050	10/22/2016	ND	2.30	115	2.00	0.236		
Total Xylenes*	<0.150	0.150	10/22/2016	ND	6.95	116	6.00	0.317		
Total BTEX	<0.300	0.300	10/22/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99	
DRO >C10-C28	11.3	10.0	10/21/2016	ND	194	97.0	200	8.01	

Surrogate: 1-Chlorooctane 111 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H602372-02)

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	10/24/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	0.054	0.050	10/24/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	0.050	0.050	10/24/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	<0.150	0.150	10/24/2016	ND	6.95	116	6.00	0.317	
Total BTEX	<0.300	0.300	10/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99	
DRO >C10-C28	103	10.0	10/21/2016	ND	194	97.0	200	8.01	

Surrogate: 1-Chlorooctane 71.5 % 35-147

Surrogate: 1-Chlorooctadecane 70.4 % 28-171

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 Fax To: (575) 745-8905

Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 1' REFUSAL (H602372-03)

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	10/22/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	<0.050	0.050	10/22/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	<0.050	0.050	10/22/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	<0.150	0.150	10/22/2016	ND	6.95	116	6.00	0.317	
Total BTEX	<0.300	0.300	10/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99	
DRO >C10-C28	65.1	10.0	10/21/2016	ND	194	97.0	200	8.01	

Surrogate: 1-Chlorooctane 109 % 35-147

Surrogate: 1-Chlorooctadecane 129 % 28-171

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Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0' (H602372-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/22/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	<0.500	0.500	10/22/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	2.43	0.500	10/22/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	10.1	1.50	10/22/2016	ND	6.95	116	6.00	0.317	
Total BTEX	12.6	3.00	10/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	753	100	10/21/2016	ND	179	89.4	200	6.99		
DRO >C10-C28	23800	100	10/21/2016	ND	194	97.0	200	8.01		

Surrogate: 1-Chlorooctane 199 % 35-147

Surrogate: 1-Chlorooctadecane 658 % 28-171

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Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1' REFUSAL (H602372-05)

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	10/22/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	<0.050	0.050	10/22/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	<0.050	0.050	10/22/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	<0.150	0.150	10/22/2016	ND	6.95	116	6.00	0.317	
Total BTEX	<0.300	0.300	10/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/21/2016	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99		
DRO >C10-C28	10.7	10.0	10/21/2016	ND	194	97.0	200	8.01		

Surrogate: 1-Chlorooctane 96.8 % 35-147

Surrogate: 1-Chlorooctadecane 112 % 28-171

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DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 10/21/2016
Reported: 10/24/2016
Project Name: HAWK 8 #46 GAS LINE
Project Number: 701307.043.01
Project Location: NOT GIVEN

Sampling Date: 10/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 0' (H602372-06)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.99	2.00	10/22/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	41.5	2.00	10/22/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	47.7	2.00	10/22/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	104	6.00	10/22/2016	ND	6.95	116	6.00	0.317	
Total BTX	198	12.0	10/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2640	100	10/21/2016	ND	179	89.4	200	6.99		
DRO >C10-C28	25000	100	10/21/2016	ND	194	97.0	200	8.01		

Surrogate: 1-Chlorooctane 190 % 35-147

Surrogate: 1-Chlorooctadecane 729 % 28-171

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/24/2016	Sampling Type:	Soil
Project Name:	HAWK 8 #46 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	701307.043.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 1' (H602372-07)

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	10/24/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	0.079	0.050	10/24/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	<0.050	0.050	10/24/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	<0.150	0.150	10/24/2016	ND	6.95	116	6.00	0.317	
Total BTX	<0.300	0.300	10/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99	
DRO >C10-C28	<10.0	10.0	10/21/2016	ND	194	97.0	200	8.01	

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 94.1 % 28-171

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DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 10/21/2016
Reported: 10/24/2016
Project Name: HAWK 8 #46 GAS LINE
Project Number: 701307.043.01
Project Location: NOT GIVEN

Sampling Date: 10/20/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 2' REFUSAL (H602372-08)

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	10/22/2016	ND	1.97	98.6	2.00	0.183	
Toluene*	<0.050	0.050	10/22/2016	ND	2.27	113	2.00	0.467	
Ethylbenzene*	<0.050	0.050	10/22/2016	ND	2.30	115	2.00	0.236	
Total Xylenes*	<0.150	0.150	10/22/2016	ND	6.95	116	6.00	0.317	
Total BTX	<0.300	0.300	10/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 73.6-140

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	10/21/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2016	ND	179	89.4	200	6.99	
DRO >C10-C28	<10.0	10.0	10/21/2016	ND	194	97.0	200	8.01	

Surrogate: 1-Chlorooctane 91.7 % 35-147

Surrogate: 1-Chlorooctadecane 97.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

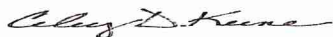
Notes and Definitions

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.
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: Talon/LPE

Project Manager: D. Adams

Address: 408 W. Texas Ave.

City: Artesia

State: NM Zip: 88210

Phone #: 575-746-8768

Fax #: 575-746-8905

Project #: 701307.043.01

Project Owner: Line Rock

Project Name: Haulp 8 # Gas Line

Project Location:

Sampler Name: S. Hitchcock

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H000372

5-10'

5-20'

5-21' Refusal

5-30'

5-31' Refusal

5-40'

5-41'

5-42' Refusal

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

DATE
TIME

TPH
BTEx
Chlorides

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

PRESERV. SAMPLING

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusions remedy for any claim arising from weather based in contract or tort shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Shirley Price

Date: 10/21/16
Time: 8:45

Received By: Scott Henderson

Relinquished By: Scott Henderson

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

1.70

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (initials)

RUSH

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

REMARKS:

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

#75

Analytical Report 539457

for
Talon LPE

Project Manager: Sheldon Hitckcock

HAWK 8 Fed #46

02-NOV-16

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



Table of Contents

Cover Page	1
Cover Letter	3
Sample ID Cross Reference	4
Case Narrative	5
Certificate of Analysis Summary	6
Explanation of Qualifiers (Flags)	7
Surrogate Recoveries	8
LCS / LCSD Recoveries	12
MS / MSD Recoveries	14
Sample Receipt Conformance Report	16
Chain of Custody	17
Sample Receipt Conformance Report	18



02-NOV-16

Project Manager: **Sheldon Hitckcock**

Talon LPE

408 W. Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **539457**

HAWK 8 Fed #46

Project Address:

Sheldon Hitckcock:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 539457. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 539457 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks

Project Manager

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Sample Cross Reference 539457



Talon LPE, Artesia, NM

HAWK 8 Fed #46

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2	S	10-28-16 15:00		539457-001
S-3	S	10-28-16 15:10		539457-002
S-4	S	10-28-16 15:20		539457-003



CASE NARRATIVE



Client Name: Talon LPE

Project Name: HAWK 8 Fed #46

Project ID:

Work Order Number(s): 539457

Report Date: 02-NOV-16

Date Received: 10/29/2016

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3003040 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analysis Summary 539457

Talon LPE, Artesia, NM

Project Name: HAWK 8 Fed #46



Project Id:

Contact: Sheldon Hirtcock

Project Location:

Date Received in Lab: Sat Oct-29-16 12:00 pm

Report Date: 02-NOV-16

Project Manager: Kelsey Brooks

Analysis Requested	Lab Id:		539457-001		539457-002		539457-003	
	Field Id:	Depth:	S-2	SOIL	S-3	SOIL	S-4	SOIL
BTEX by EPA 8021B	Matrix:		Oct-28-16 15:00		Oct-28-16 15:10		Oct-28-16 15:20	
	Sampled:							
	Extracted:		Oct-31-16 14:10		Oct-31-16 14:10		Oct-31-16 14:10	
	Analyzed:		Nov-01-16 08:54		Nov-01-16 09:10		Oct-31-16 20:54	
	Units/RL:		mg/kg RL		mg/kg RL		mg/kg RL	
Benzene			ND 0.00150		ND 0.00149		ND 0.00149	
Toluene			ND 0.00200		ND 0.00198		ND 0.00199	
Ethylbenzene			ND 0.00200		ND 0.00198		ND 0.00199	
m_p-Xylenes			ND 0.00200		ND 0.00198		ND 0.00199	
o-Xylene			ND 0.00299		ND 0.00298		ND 0.00299	
Total Xylenes			ND 0.00200		ND 0.00198		ND 0.00199	
Total BTEX			ND 0.00150		ND 0.00149		ND 0.00149	
Inorganic Anions by EPA 300/300.1	Extracted:		Oct-31-16 17:14		Oct-31-16 17:14		Oct-31-16 17:14	
	Analyzed:		Oct-31-16 18:43		Oct-31-16 18:50		Oct-31-16 18:57	
	Units/RL:		mg/kg RL		mg/kg RL		mg/kg RL	
Chloride			176 50.0		185 50.0		725 50.0	
TPH By SW8015B Mod	Extracted:		Oct-31-16 16:00		Oct-31-16 16:00		Oct-31-16 16:00	
	Analyzed:		Nov-01-16 08:36		Nov-01-16 09:01		Nov-01-16 09:25	
	Units/RL:		mg/kg RL		mg/kg RL		mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons			ND 14.9		49.6 15.0		16.3 15.0	
C10-C28 Diesel Range Hydrocarbons			ND 14.9		1210 15.0		654 15.0	
Total TPH			ND 14.9		1270 15.0		670 15.0	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks

Kelsey Brooks
Project Manager



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

****** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	



Form 2 - Surrogate Recoveries
Project Name: HAWK 8 Fed #46

Work Orders : 539457,

Lab Batch #: 3003040

Sample: 539457-003 / SMP

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/31/16 20:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	80-120	

Lab Batch #: 3003034

Sample: 539457-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 08:36

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	99.6	116	70-135	
o-Terphenyl	61.2	49.8	123	70-135	

Lab Batch #: 3003040

Sample: 539457-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 08:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 3003034

Sample: 539457-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 09:01

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	99.7	116	70-135	
o-Terphenyl	61.0	49.9	122	70-135	

Lab Batch #: 3003040

Sample: 539457-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 09:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0304	0.0300	101	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries
Project Name: HAWK 8 Fed #46

Work Orders : 539457,

Lab Batch #: 3003034

Sample: 539457-003 / SMP

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 09:25

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	99.9	115	70-135	
o-Terphenyl	61.0	50.0	122	70-135	

Lab Batch #: 3003040

Sample: 715592-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/31/16 16:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 3003034

Sample: 715582-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/31/16 23:28

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	61.8	50.0	124	70-135	

Lab Batch #: 3003040

Sample: 715592-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/31/16 14:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0308	0.0300	103	80-120	

Lab Batch #: 3003034

Sample: 715582-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/31/16 23:53

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	63.3	50.0	127	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries
Project Name: HAWK 8 Fed #46

Work Orders : 539457,

Lab Batch #: 3003040

Sample: 715592-1-BSD / BSD

Project ID:

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/31/16 14:29

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0274	0.0300	91	80-120	

Lab Batch #: 3003034

Sample: 715582-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 11/01/16 00:17

SURROGATE RECOVERY STUDY					
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	63.7	50.0	127	70-135	

Lab Batch #: 3003040

Sample: 539437-013 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/31/16 15:30

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 3003034

Sample: 539437-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 01:06

SURROGATE RECOVERY STUDY					
TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	126	99.9	126	70-135	
o-Terphenyl	62.0	50.0	124	70-135	

Lab Batch #: 3003040

Sample: 539437-013 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/31/16 15:47

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0346	0.0300	115	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: HAWK 8 Fed #46

Work Orders : 539457,

Lab Batch #: 3003034

Sample: 539437-001 SD / MSD

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/01/16 01:31

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.7	124	70-135	
o-Terphenyl	64.0	49.9	128	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Work Order #: 539457

Analyst: PJB

Lab Batch ID: 3003040

Units: mg/kg

Date Prepared: 11/01/2016

Batch #: 1

Sample: 715592-1-BKS

Project ID:

Date Analyzed: 10/31/2016

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021B											
Benzene	<0.00150	0.100	0.102	102	0.100	0.0897	90	13	70-130	35	
Toluene	<0.00200	0.100	0.102	102	0.100	0.0882	88	15	70-130	35	
Ethylbenzene	<0.00200	0.100	0.106	106	0.100	0.0934	93	13	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.217	109	0.200	0.191	96	13	70-135	35	
o-Xylene	<0.00300	0.100	0.107	107	0.100	0.0944	94	13	71-133	35	

Date Prepared: 10/31/2016

Date Analyzed: 10/31/2016

Analyst: MNR

Sample: 715579-1-BKS

Batch #: 1

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Inorganic Anions by EPA 300/300.1											
Chloride	<5.00	250	259	104	250	261	104	1	90-110	20	

Relative Percent Difference RPD = $200 * [(C-F) / (C+F)]$
Blank Spike Recovery [D] = $100 * (C) / [B]$
Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: HAWK 8 Fed #46

Work Order #: 539457

Analyst: ARM

Lab Batch ID: 3003034

Units: mg/kg

Date Prepared: 10/31/2016

Batch #: 1

Sample: 715582-1-BKS

Project ID:

Date Analyzed: 10/31/2016

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Analytes	TPH By SW8015B Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons		<15.0	1000	951	95	1000	983	98	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons		<15.0	1000	969	97	1000	991	99	2	70-135	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$
Blank Spike Recovery [D] = $100 * (C/[B])$
Blank Spike Duplicate Recovery [G] = $100 * (F/[E])$
All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: HAWK 8 Fed #46



Work Order #: 539457

Lab Batch ID: 3003040

Date Analyzed: 10/31/2016

Reporting Units: mg/kg

Project ID:

QC- Sample ID: 539437-013 S Batch #: 1 Matrix: Soil

Date Prepared: 10/31/2016 Analyst: PJB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Benzene		<0.00150	0.0998	0.0852	85	0.0994	0.0930	94	9	70-130	35	
Toluene		<0.00200	0.0998	0.0845	85	0.0994	0.0956	96	12	70-130	35	
Ethylbenzene		<0.00200	0.0998	0.0883	88	0.0994	0.0984	99	11	71-129	35	
m_p-Xylenes		<0.00200	0.200	0.181	91	0.199	0.207	104	13	70-135	35	
o-Xylene		<0.00299	0.0998	0.0888	89	0.0994	0.106	107	18	71-133	35	

QC- Sample ID: 539437-018 S Batch #: 1 Matrix: Soil

Date Prepared: 10/31/2016

Analyst: MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Chloride		17.7	250	254	95	250	248	92	2	90-110	20	

QC- Sample ID: 539505-001 S Batch #: 1 Matrix: Soil

Date Prepared: 10/31/2016

Analyst: MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Chloride		3890	1250	5110	98	1250	5160	102	1	90-110	20	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times |(C-F)/(C+F)|$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: HAWK 8 Fed #46



Work Order #: 539457

Lab Batch ID: 3003034

Date Analyzed: 11/01/2016

Reporting Units: mg/kg

Project ID:

QC- Sample ID: 539437-001 S

Date Prepared: 10/31/2016

Batch #: 1

Analyst: ARM

Matrix: Soil

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15.0	999	962	96	997	996	100	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	999	980	98	997	1020	102	4	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times |(C-F)/(C+F)|$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Talon LPE

Date/ Time Received: 10/29/2016 12:00:00 PM

Work Order #: 539457

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	6.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	Yes
#5 *Custody Seals intact on shipping container/ cooler?	Yes
#6 Custody Seals intact on sample bottles?	Yes
#7 *Custody Seals Signed and dated?	No
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	N/A
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#22 <2 for all samples preserved with HNO ₃ , HCL, H ₂ SO ₄ ? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A
#23 >10 for all samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica Kramer
Jessica Kramer

Date: 10/31/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks

Date: 11/01/2016



Setting the Standard since 1990
Stafford, Texas (281-240-4200)
Dallas, Texas (214-902-0300)

Service Center - San Antonio, Texas (210-509-3334)

WWW.XENCO.COM

CHAIN OF CUSTODY

Page 1 of 1

Odessa, Texas (432-563-1800)

Morcross, Georgia (770-449-8800)

Lakeland, Florida (888-646-8526)

Tampa, Florida (813-620-2000)

Xenco Quota #

Xenco Job #

589457

Client / Reporting Information

Project Information

Analytical Information

Matrix Codes

Company Name / Branch:

Talon/CPD - #14514

Project Name/Number:

HAWK Fed #46

Project Location:

Company Address:

Phone No:

Invoice To:

Talon/CPD

Project Contact:

Sheldan Hiten cock

PO Number:

Sample's Name:

Sheldan Hiten cock

No.

Field ID / Point of Collection

Sample Depth

Date

Time

Matrix

of bottles

HCl

NaOH/Zn Acetate

HNO3

H2SO4

NaOH

NaHSO4

MeOH

None

TPH

BTEX

Chlorides

Field Comments

WW= Waste Water

O = Oil

W = Waste Water

SL = Sludge

SW = Surface water

P = Product

DW = Drinking Water

GW = Ground Water

S = Soil/Sed/Solid

A = Air

☐ 3 Day EMERGENCY

☐ 2 Day EMERGENCY

☒ Contract TAT

☐ TRRP Checklist

TAT Starts Day received by Lab, if received by 3:00 pm

☐ Same Day TAT

☐ Next Day EMERGENCY

☐ 5 Day TAT

☐ Level II Std QC

☐ Level III Std QC

☐ Level IV (Full Data Pig / raw data)

☐ TRRP Level IV

☐ Level 3 (CLP Forms)

☐ UST / RG-411

☐ TRRP Checklist

☐ TRRP Checklist

☐ TRRP Checklist

☐ TRRP Checklist

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Relinquished By:

Sheldan Hiten

Date Time:

10/28/2008 2:22

Received By:

Paulina

Date Time:

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Paulina

Date Time:

10/28/2008 2:22

Received By:

Paulina

Notice: Signature of the document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previous:

Temp: IR ID-R-8
Corrected Temp: 10.30



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Talon LPE

Date/ Time Received: 10/29/2016 12:00:00 PM

Work Order #: 539457

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	6.3
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#23 >10 for all samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica Kramer
Jessica Kramer

Date: 10/31/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks

Date: 11/01/2016



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

December 02, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HAWK 8 #46 GAS LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/01/16 13:20.

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:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 12/01/2016
Reported: 12/02/2016
Project Name: HAWK 8 #46 GAS LINE
Project Number: 701307.043.01
Project Location: NOT GIVEN

Sampling Date: 11/30/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S-3 0' (H602687-01)

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/01/2016	ND	188	93.9	200	2.53	
DRO >C10-C28	74.5	10.0	12/01/2016	ND	198	99.0	200	2.83	
Surrogate: 1-Chlorooctane	85.0 %	35-147							
Surrogate: 1-Chlorooctadecane	101 %	28-171							

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

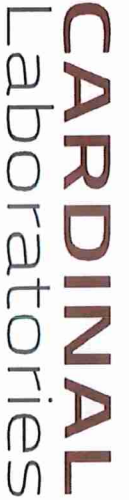
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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