

3R-438

**Release Report/ General
Correspondence**

C-141

Date: DEC 2014 JAN 2015

36.863670 District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

DEC 22 2014 Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Updated

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Blanco Vent Tank Release RP#3R-438-0	Facility Type: Natural Gas Compressing Facility

Surface Owner: Private	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter C	Section 14	Township 29N	Range 11W	Feet from the 984	North South Line	Feet from the 1398	East West Line	County San Juan
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Latitude 36.73019 Longitude -107.96524

NATURE OF RELEASE

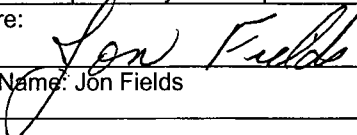
Type of Release: Condensate	Volume of Release ~5 BBLS	Volume Recovered: None
Source of Release: Tank Over Flow	Date and Hour of Occurrence: December 7, 2011 @12:30 p.m.	Date and Hour of Discovery: December 7, 2011 @12:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: On December 7, 2011, five (5) barrels of condensate was release into the unlined containment. Standing liquids was removed and initial remediation of the release was implemented where approximately 1, 077 cubic yards of hydrocarbon impacted soil was excavated and transported to an approved NMOCD landfarm facility. These activities are documented in the *Corrective Action Report - Blanco Storage Vent Tank Release, dated January 6, 2012 (Southwest Geoscience)*. Due to operational and safety considerations, including third party pipeline right of ways (ROWs), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. In 2014, the vent tank was permanently removed from service. In October 2014, Enterprise implemented a Supplemental Site Investigation to further assess subsurface impacts. Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches ranged from two (2) to eight (8) feet in depth.

Describe Area Affected and Cleanup Action: In October 2014, Enterprise implemented a Supplemental Site Investigation to further assess subsurface impacts. Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches ranged from two (2) to eight (8) feet in depth. Base on the attached Supplemental Site Investigation report, additional corrective action is required. Enterprise anticipates the scheduling of the supplemental corrective actions in early 2015 based on available contractors.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Jon Fields	Approved by Environmental Specialist:		
Title: Director, Environmental	Approval Date:	Expiration Date:	
E-mail Address: jefields@eprod.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 12-16-2014	Phone: (713)381-6684		

* Attach Additional Sheets If Necessary



OIL CONS. DIV DIST. 3

DEC 22 2014

SUPPLEMENTAL SITE INVESTIGATION REPORT (2014)

RP # 3R-438-0

Property:

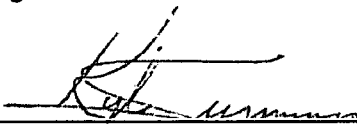
Blanco Storage Vent Tank
NW ¼ Section 14, T29N R11W
Bloomfield, San Juan County, New Mexico

December 11, 2014
Apex Project No. 7030411G018

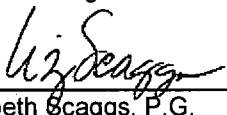
Prepared for:

Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, NM 87401
Attn: Mr. Thomas Long

Prepared by:



Kyle Summers, C.P.G.
Branch Manager / Senior Geologist



Elizabeth Scaggs, P.G.
Senior Program Manager

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Chain of Custody Documentation

SUPPLEMENTAL SITE INVESTIGATION REPORT (2014)

RP # 3R-438-0

**Blanco Storage Vent Tank
NW ¼ Section 14, T29N R11W
Bloomfield, San Juan County, New**

Apex Project No. 7030411G018

1.0 INTRODUCTION

1.1 Site Description and Background

The Blanco Storage Vent Tank Release Site is located within the Enterprise Field Services, LLC (Enterprise) Blanco Storage facility in the Northwest (NW) ¼ of Section 14, Township 29 North and Range 11 West in Bloomfield, San Juan County, New Mexico, referred to hereinafter as the "Site" or "subject Site". The Site is located on private land within the Enterprise Blanco Storage facility. The immediate surroundings are predominantly characterized by petroleum gathering and processing facilities.

On December 7th, 2011, evidence of a release was identified at the Site. An unknown quantity of natural gas condensate (condensate) and water was released into the unlined secondary containment as a result of an overflow from the vent tank. Soil discoloration indicates that the released fluids primarily pooled in the southern half of the containment, with the deepest pooling occurring in the southwest corner of the containment. Soil removal activities were initiated on December 14th, 2011 and resulted in the removal of approximately 1,077 cubic yards of affected soil, which was subsequently transported to the Envirotech, Inc. land farm facility near Hilltop, New Mexico for treatment/disposal. These activities are documented in the *Corrective Action Report – Blanco Storage Vent Tank Release*, dated January 6, 2012 (Southwest Geoscience).

Due to operational and safety considerations, including third party pipeline right of ways (ROWs), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. During 2014, the vent tank was permanently taken out of service and removed from the Site.

A topographic map depicting the location of the Site is included as Figure 1, and a Site Vicinity Map is included as Figure 2 in Appendix A.

1.2 Project Objective

The primary objective of the Supplemental Site Investigation (SSI) was to further define the remaining hydrocarbon impact at the Site, which in turn, will help determine the best course of corrective action to reduce the concentration of constituents of concern (COCs) in the on-Site soils to below the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD) Remediation Action Levels.

1.3 Site Ranking

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to condensate releases, the New Mexico EMNRD OCD utilizes the Guidelines for Remediation of Leaks, Spills and Releases as guidance, in addition to the OCD rules, specifically New Mexico Administrative Code (NMAC) 19.15.29 *Remediation Plan*. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action. Apex TITAN, Inc. (Apex) utilized the general site characteristics to determine the appropriate "ranking" for the Site. Ranking criteria and associated scoring are provided in the following table:

Ranking Criteria			Ranking Score
Depth to Groundwater	<50 feet	20	20
	50 to 99 feet	10	
	>100 feet	0	
Wellhead Protection Area • <1,000 feet from a water source, or; <200 feet from private domestic water source.	Yes	20	0
	No	0	
Distance to Surface Water Body	<200 feet	20	10
	200 to 1,000 feet	10	
	>1,000 feet	0	
Total Ranking Score			30

Based on Apex's evaluation of the scoring criteria, the Site would have a maximum Total Ranking Score of 30. This ranking is based on the following:

- Numerous wells are documented within a 1.5 mile radius of the site. The closest well, based on information obtained from the New Mexico State Engineer's Office is >1,000 feet to the southeast of the Site at a lower elevation on the valley floor. Groundwater was not encountered during the excavation activities, and the actual depth to groundwater is unknown. Based on data from other environmental studies in the vicinity, groundwater may be present at a depth of < 50 feet below grade surface (bgs) at the Site.
- No water sources were identified in the immediate area.
- Bloomfield Canyon Arroyo, though generally dry, is located approximately 2,450 feet west of the Site. A seasonal irrigation ditch is located approximately 850 feet west of the Site.

Based on a Total Ranking Score of 30, cleanup goals for soil located at the Site include: 10 milligrams per kilogram (mg/Kg) for benzene, 50 mg/Kg for total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/Kg for total petroleum hydrocarbon (TPH) gasoline range organics (GRO)/diesel range organics (DRO).

1.4 Standard of Care, Limitations & Reliance

Apex's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Apex makes no warranties, expressed or implied, as to the services performed hereunder. Additionally, Apex does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client.

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Apex cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this scope of services. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Apex's findings and recommendations are based solely upon data available to Apex at the time of these services.

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the expressed written authorization of Enterprise and Apex. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and Apex's Agreement. The limitation of liability defined in the agreement is the aggregate limit of Apex's liability to the client.

2.0 SITE INVESTIGATION

Enterprise implemented a SSI during October 2014 to further assess the incomplete corrective action excavation performed during December 2011. A backhoe was utilized to perform investigative trenching operations outside of the boundaries of the 2011 excavation.

2.1 Investigative Trenching

Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches varied from two (2) to eight (8) feet in depth, depending on the depth at which sandstone was encountered.

The lithology encountered during the completion of SSI activities consisted primarily of sands and silty sands, underlain by a shaley sandstone present at depths ranging from two (2) foot to eight (8) feet bgs. Groundwater was not encountered during the excavation activities.

2.2 Soil Sampling Program

Apex's soil sampling program included the collection of 28 investigation samples from the side walls and bottom of the investigative trenches for laboratory analysis. Depending on the final depth of the trench, either two (2) or three (3) samples were collected from each location. The soil sample intervals were selected to obtain the maximum coverage of the trench's vertical profile.

Figure 3 and Figure 4 depict the approximate dimensions of the December 2011 excavation and 2014 SSI trenches, respectively, as well as the analytical sample locations for soils remaining in place. (Appendix A).

The soil samples selected for laboratory analysis were collected and placed in laboratory prepared glassware, labeled/sealed using the laboratory supplied label, and placed on ice in a cooler, which was secured with a custody seal. The sample cooler and completed chain-of-

custody form were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

3.0 LABORATORY ANALYTICAL METHODS

The soil samples selected for laboratory analysis were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA SW-846 Method #8021, and total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (GRO) using EPA SW-846 Method #8015.

Laboratory results for the investigative soil samples are summarized in Table 1, included in Appendix B. The executed chain-of-custody form and laboratory data sheets are provided in Appendix C.

4.0 DATA EVALUATION

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to condensate releases, the New Mexico EMNRD OCD utilizes the Guidelines for Remediation of Leaks, Spills and Releases as guidance, in addition to the OCD rules, specifically NMAC 19.15.29 *Remediation Plan*. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

Apex compared the TPH GRO/DRO and BTEX concentrations or laboratory reporting limits (RLs) associated with the soil samples to the OCD *Remediation Action Levels* for a Site ranking of 30.

Total Petroleum Hydrocarbons

Investigative soil samples SR-1 through SR-14, SR-16, SR-18, SR-23 through SR-26, and SR-28 exhibited combined TPH GRO/DRO concentrations ranging from below the laboratory RL to 69 mg/Kg, which are below the OCD's *Remediation Action Level* of 100 mg/Kg.

Investigative soil samples SR-15, SR-17, SR-19 through SR-22, and SR-27 exhibited combined TRP GRO/DRO concentrations ranging from 152 mg/Kg to 3,900 mg/Kg, which exceed the OCD's *Remediation Action Level* of 100 mg/Kg.

Benzene

Investigative soil samples SR-1 through SR-28 exhibited benzene concentration levels ranging from below laboratory RLs to 2.8 mg/Kg, which are below the OCD's *Remediation Action Level* of 10 mg/Kg.

Total BTEX

Investigative soil samples SR-1 through SR-14, SR-16, SR-17, SR-18, SR-20, SR-22 through SR-26, and SR-28 exhibited total BTEX concentrations ranging from below the laboratory RLs to 21 mg/Kg, which are below the OCD's *Remediation Action Level* of 50 mg/Kg.

Investigative soil samples SR-15, SR-19, SR-21, and SR-27 exhibited total BTEX concentrations ranging from 161 mg/Kg to 405 mg/Kg, which exceed the OCD's *Remediation Action Level* of 50 mg/Kg.

The results of soil sample analyses are summarized in Table 1 of Appendix B. Figures 3 and 4 (Appendix A) provide sample locations, and identify the samples that exceeded the OCD *Remediation Action Level* for the 2011 excavation and the 2014 SSI, respectively.

5.0 FINDINGS AND RECOMMENDATIONS

The Blanco Storage Vent Tank Release Site is located within the Enterprise Blanco Storage facility in the NW ¼ of Section 14, Township 29 North and Range 11 West in Bloomfield, San Juan County, New Mexico. The Site is located on private land within the Enterprise Blanco Storage facility. The immediate surroundings are predominantly characterized by petroleum gathering and processing facilities.

On December 7th, 2011, evidence of a release was identified at the Site. An unknown quantity of natural gas condensate (condensate) and water was released into the unlined secondary containment as a result of an overflow from the vent tank. Soil discoloration indicates that the released fluids primarily pooled in the southern half of the containment, with the deepest pooling occurring in the southwest corner of the containment. Soil removal activities were initiated on December 14th, 2011 and resulted in the removal of approximately 1,077 cubic yards of affected soil, which was subsequently transported to the Envirotech, Inc. land farm facility near Hilltop, New Mexico for treatment/disposal.

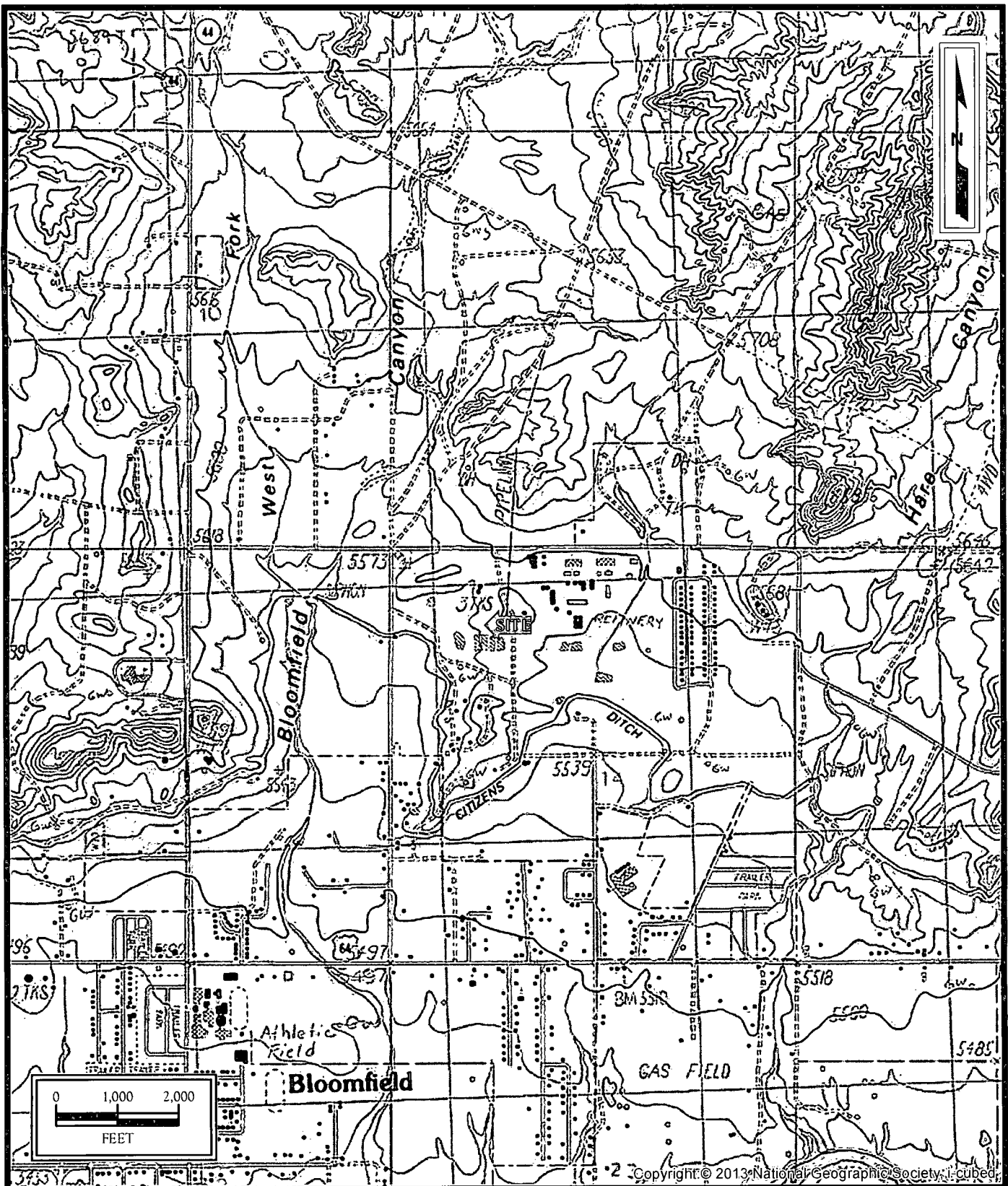
Due to operational and safety considerations, including third party pipeline right of ways (ROWS), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. During 2014, the vent tank was permanently taken out of service and removed from the Site.

- The primary objective of the SSI was to further define the remaining hydrocarbon impact at the Site, which in turn, will help determine the best course of corrective action to reduce the concentration of COCs in the on-Site soils to below the New Mexico EMNRD OCD Remediation Action Levels.
- The lithology encountered during the completion of SSI activities consisted primarily of sands and silty sands, underlain by a shaley sandstone present at depths ranging from two (2) foot to eight (8) feet bgs. Groundwater was not encountered during the excavation activities.
- Analytical data obtained from the SSI indicates affected soils previously identified at the eastern, southeastern, and southern sidewalls of the former excavation are limited in extent.
- Analytical data obtained from the SSI indicates hydrocarbon impact is present west and southwest of the former excavation, exhibiting BTEX and TPH concentrations that exceed the OCD Remediation Action Levels. The extent of this impact is not fully defined.

Based on data obtained from the SSI, additional corrective action is necessary at the former release Site. The presence of affected soils to the west (cross-gradient) may indicate a second historic release source.

APPENDIX A

Figures



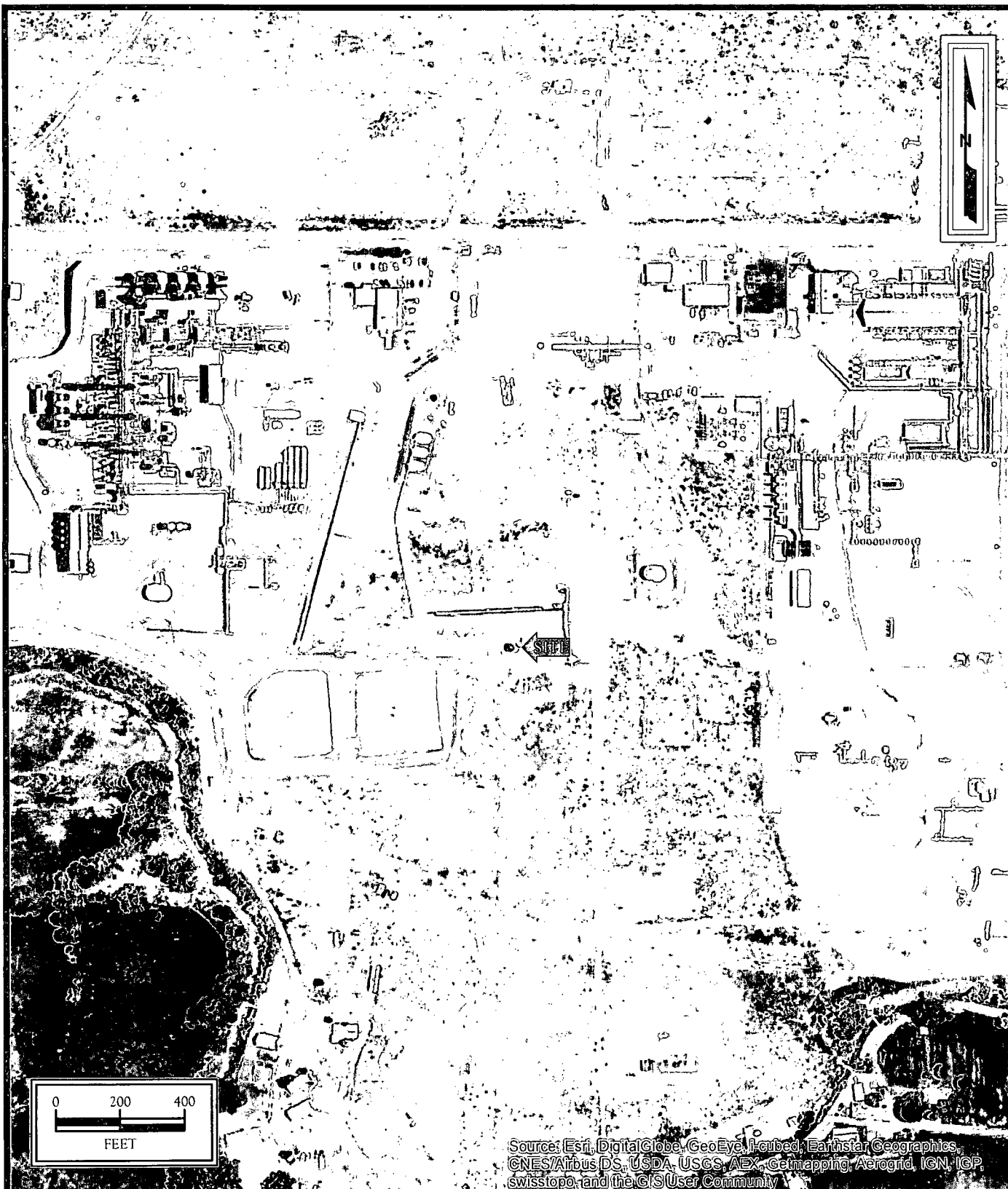
Enterprise Field Services
 Blanco Vent Tank
 NW1/4 S14 T29N R11W
 County Road 4900
 San Juan County, New Mexico
 36.73019N, 107.96524W

Project No. 7030411G018.001



Apex TITAN, Inc.
 808 South Rio Grande, Suite A
 Aztec, NM 87410
 Phone: (505) 334-5200
www.apexcoos.com
 A Subsidiary of Apex Companies, LLC

FIGURE 1
Topographic Map
 Bloomfield, NM Quadrangle
 1985



Enterprise Field Services

Blanco Vent Tank

NW1/4 S14 T29N R11W

County Road 4900

San Juan County, New Mexico

36.73019N, 107.96524W

Project No. 7030411G018.001



Apex TITAN, Inc.

606 South Rio Grande, Suite A

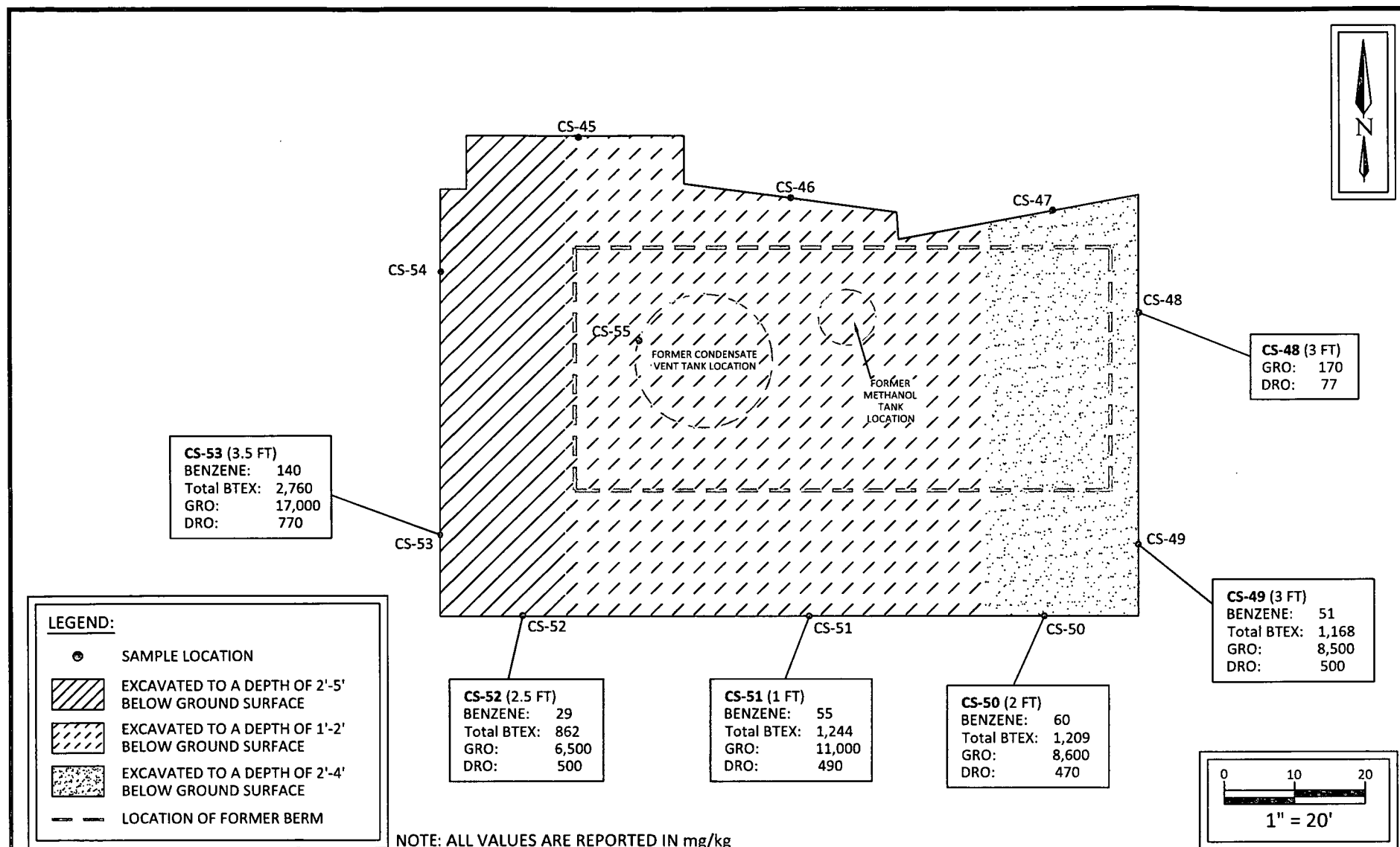
Aztec, NM 87410

Phone: (505) 334-5200

www.apexcos.com

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FIGURE 2
Site Vicinity Map

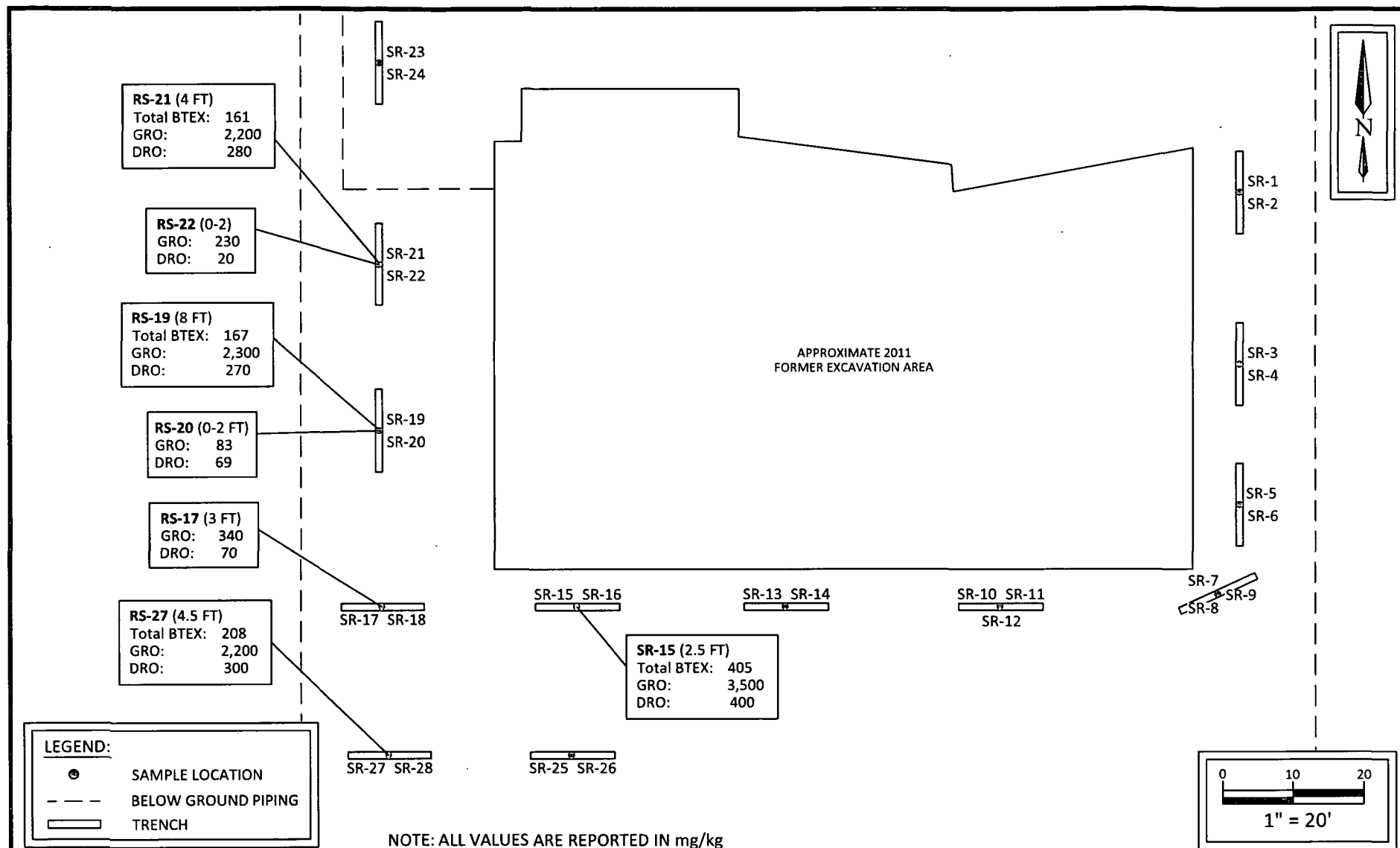


Enterprise Field Services
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FIGURE 3
Site Map with
2011 COC Exceedances



Enterprise Field Services
Blanco Vent Tank
NW1/4 S14 T29N R11W
County Road 4900
San Juan County, New Mexico
36.73019N, 107.96524W
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FIGURE 4
Site Map with
2014 COC Exceedances

APPENDIX B

Table



DRAFT TABLE 1
Blanco Storage Vent Tank Release
SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Minerals & Natural Resources Department, Oil Conservation Division, Remediation Action Level			10	NE	NE	NE	50	100	
Corrective Action Sample Results for Soils Remaining in Place- 2011									
CS-45	12/19/2011	2.0	<0.049	<0.049	<0.049	<0.097	<0.25	<4.9	<10
CS-46	12/19/2011	2.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<10
CS-47	12/19/2011	3.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<10
CS-48	12/19/2011	3.0	<0.095	3.8	1.4	19	24.2	170	77
CS-49	12/19/2011	3.0	51	450	57	610	1,168	8,500	500
CS-50	12/19/2011	2.0	62	470	57	620	1,209	8,600	470
CS-51	12/19/2011	1.0	55	480	59	650	1,244	11,000	490
CS-52	12/19/2011	2.5	29	300	43	490	862	6,500	500
CS-53	12/19/2011	3.5	140	1,100	120	1,400	2,760	17,000	770
CS-54	12/19/2011	3.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<9.7
CS-55	12/19/2011	3.0	<0.047	<0.047	<0.047	<0.094	<0.24	6.5	11
SSI Sample Results - 2014									
SR-1	10/22/2014	3.5	<0.046	<0.046	<0.046	<0.093	ND	<4.6	<10
SR-2	10/22/2014	0 to 3.5	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<10
SR-3	10/22/2014	3	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10
SR-4	10/22/2014	0 to 3	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<10
SR-5	10/22/2014	2.25	<0.048	<0.048	<0.048	<0.096	ND	<4.8	<10
SR-6	10/22/2014	0 to 2	<0.046	<0.046	<0.046	<0.092	ND	<4.6	<9.9
SR-7	10/22/2014	1 to 4	<0.047	<0.047	<0.047	<0.093	ND	<4.7	<10
SR-8	10/22/2014	5	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9
SR-9	10/22/2014	6	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9
SR-10	10/22/2014	1 to 4	<0.046	<0.046	<0.046	<0.093	ND	<4.6	38
SR-11	10/22/2014	0 to 1	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10
SR-12	10/22/2014	5	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<10



DRAFT TABLE 1
Blanco Storage Vent Tank Release
SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Minerals & Natural Resources Department, Oil Conservation Division, Remediation Action Level			10	NE	NE	NE	50	100	
SR-13	10/22/2014	2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-14	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-15	10/22/2014	2.5	2.4	99	24	280	405	3,500	400
SR-16	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-17	10/22/2014	3	<0.24	1.7	0.83	18	21	340	70
SR-18	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.8
SR-19	10/22/2014	8	1.9	37	8.2	120	167	2,300	270
SR-20	10/22/2014	0 to 2	<0.047	0.25	0.11	1.9	2.3	83	69
SR-21	10/22/2014	4	2.7	33	5.6	120	161	2,200	280
SR-22	10/22/2014	0 to 2	<0.12	0.83	0.41	11	12	230	20
SR-23	10/22/2014	3	<0.048	<0.048	<0.048	<0.095	ND	<4.8	11
SR-24	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<9.9
SR-25	10/22/2014	4	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<10
SR-26	10/22/2014	0 to 2	<0.050	<0.050	<0.050	<0.099	ND	<5.0	<10
SR-27	10/22/2014	4.5	2.8	35	9.8	160	208	2,200	300
SR-28	10/22/2014	0 to 3	<0.046	0.065	<0.046	0.89	0.96	17	52

Note: Concentrations in **bold** and yellow exceed the applicable OCD Remediation Action Level

NE = Not Established

ND=Not Detected above the Laboratory Reporting Limits

APPENDIX C

Laboratory Data Sheets & Chain of Custody Documentation



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 30, 2014

Kyle Summers
APEX AZTEC
606 S. Rio Grande Unit A
Aztec, NM 87410
TEL: (903) 821-5603
FAX (505) 334-5204

RE: Blanco Vent Tank

OrderNo.: 1410B12

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 28 sample(s) on 10/23/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1410B12**Date Reported: **10/30/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** APEX AZTEC**Client Sample ID:** SR-1**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 9:30:00 AM**Lab ID:** 1410B12-001**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:13:53 PM	16062
Surr: DNOP	92.6	63.5-128		%REC	1	10/24/2014 6:13:53 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Surr: BFB	100	80-120		%REC	1	10/26/2014 3:34:11 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	10/26/2014 3:34:11 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-2

Project: Blanco Vent Tank

Collection Date: 10/22/2014 9:35:00 AM

Lab ID: 1410B12-002

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:35:59 PM	16062
Surr: DNOP	90.0	63.5-128		%REC	1	10/24/2014 6:35:59 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Surr: BFB	88.7	80-120		%REC	1	10/26/2014 1:06:35 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Surr: 4-Bromofluorobenzene	88.4	80-120		%REC	1	10/26/2014 1:06:35 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1410B12**

Date Reported: 10/30/2014

CLIENT: APEX AZTEC**Client Sample ID:** SR-3**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 9:40:00 AM**Lab ID:** 1410B12-003**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:58:08 PM	16062
Surr: DNOP	102	63.5-128		%REC	1	10/24/2014 6:58:08 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Surr: BFB	90.3	80-120		%REC	1	10/26/2014 1:35:07 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 1:35:07 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-4

Project: Blanco Vent Tank

Collection Date: 10/22/2014 9:45:00 AM

Lab ID: 1410B12-004

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 7:20:12 PM	16062
Surr: DNOP	89.8	63.5-128		%REC	1	10/24/2014 7:20:12 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Surr: BFB	90.6	80-120		%REC	1	10/26/2014 2:03:45 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Toluene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Surr: 4-Bromofluorobenzene	91.5	80-120		%REC	1	10/26/2014 2:03:45 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-5

Project: Blanco Vent Tank

Collection Date: 10/22/2014 9:55:00 AM

Lab ID: 1410B12-005

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 7:42:15 PM	16062
Surr: DNOP	90.7	63.5-128		%REC	1	10/24/2014 7:42:15 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Surr: BFB	98.4	80-120		%REC	1	10/26/2014 2:32:23 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Toluene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Surr: 4-Bromofluorobenzene	92.1	80-120		%REC	1	10/26/2014 2:32:23 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-6

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:00:00 AM

Lab ID: 1410B12-006

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 8:04:05 PM	16062
Surr: DNOP	98.6	63.5-128		%REC	1	10/24/2014 8:04:05 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Surr: BFB	91.5	80-120		%REC	1	10/26/2014 3:01:00 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Xylenes, Total	ND	0.092		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Surr: 4-Bromofluorobenzene	91.3	80-120		%REC	1	10/26/2014 3:01:00 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-7

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:05:00 AM

Lab ID: 1410B12-007

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 8:26:03 PM	16062
Surr: DNOP	106	63.5-128		%REC	1	10/24/2014 8:26:03 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Surr: BFB	89.7	80-120		%REC	1	10/26/2014 3:29:40 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Surr: 4-Bromofluorobenzene	89.9	80-120		%REC	1	10/26/2014 3:29:40 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-8

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:15:00 AM

Lab ID: 1410B12-008

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 8:47:48 PM	16062
Surr: DNOP	91.6	63.5-128		%REC	1	10/24/2014 8:47:48 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 3:58:16 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Surr: 4-Bromofluorobenzene	91.7	80-120		%REC	1	10/26/2014 3:58:16 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-9

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:20:00 AM

Lab ID: 1410B12-009

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 9:09:37 PM	16062
Surr: DNOP	87.1	63.5-128		%REC	1	10/24/2014 9:09:37 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Surr: BFB	89.1	80-120		%REC	1	10/26/2014 4:26:47 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Surr: 4-Bromofluorobenzene	89.6	80-120		%REC	1	10/26/2014 4:26:47 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-10**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:25:00 AM**Lab ID:** 1410B12-010**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	38	10		mg/Kg	1	10/24/2014 9:31:16 PM	16062
Surr: DNOP	88.4	63.5-128		%REC	1	10/24/2014 9:31:16 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 4:55:18 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 4:55:18 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-11**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:30:00 AM**Lab ID:** 1410B12-011**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 2:55:06 AM	16063
Surr: DNOP	93.4	63.5-128		%REC	1	10/25/2014 2:55:06 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Surr: BFB	90.3	80-120		%REC	1	10/26/2014 5:23:56 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Surr: 4-Bromofluorobenzene	91.3	80-120		%REC	1	10/26/2014 5:23:56 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-12

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:40:00 AM

Lab ID: 1410B12-012

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 3:59:15 AM	16063
Surr: DNOP	97.9	63.5-128		%REC	1	10/25/2014 3:59:15 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Surr: BFB	89.0	80-120		%REC	1	10/26/2014 9:12:57 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Surr: 4-Bromofluorobenzene	89.5	80-120		%REC	1	10/26/2014 9:12:57 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-13

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:45:00 AM

Lab ID: 1410B12-013

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 4:20:42 AM	16063
Surr: DNOP	95.6	63.5-128		%REC	1	10/25/2014 4:20:42 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 9:41:29 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Surr: 4-Bromofluorobenzene	91.2	80-120		%REC	1	10/26/2014 9:41:29 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 13 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-14

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:50:00 AM

Lab ID: 1410B12-014

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 4:42:03 AM	16063
Surr: DNOP	98.2	63.5-128		%REC	1	10/25/2014 4:42:03 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Surr: BFB	89.8	80-120		%REC	1	10/26/2014 10:09:59 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 10:09:59 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-15

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:55:00 AM

Lab ID: 1410B12-015

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	400	10		mg/Kg	1	10/25/2014 5:03:45 AM	16063
Surr: DNOP	98.7	63.5-128		%REC	1	10/25/2014 5:03:45 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	3500	240		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Surr: BFB	209	80-120	S	%REC	50	10/26/2014 10:38:35 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.4	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Toluene	99	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Ethylbenzene	24	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Xylenes, Total	280	4.7		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Surr: 4-Bromofluorobenzene	109	80-120		%REC	50	10/26/2014 10:38:35 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-16

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:00:00 AM

Lab ID: 1410B12-016

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 5:25:09 AM	16063
Surr: DNOP	106	63.5-128		%REC	1	10/25/2014 5:25:09 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Surr: BFB	90.9	80-120		%REC	1	10/26/2014 11:07:12 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Surr: 4-Bromofluorobenzene	92.0	80-120		%REC	1	10/26/2014 11:07:12 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1410B12**

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-17

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:05:00 AM

Lab ID: 1410B12-017

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	70	9.8		mg/Kg	1	10/25/2014 5:46:33 AM	16063
Surr: DNOP	101	63.5-128		%REC	1	10/25/2014 5:46:33 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	340	49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Surr: BFB	175	80-120	S	%REC	10	10/26/2014 11:35:46 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.24		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Toluene	1.7	0.49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Ethylbenzene	0.83	0.49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Xylenes, Total	18	0.97		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Surr: 4-Bromofluorobenzene	102	80-120		%REC	10	10/26/2014 11:35:46 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-18

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:15:00 AM

Lab ID: 1410B12-018

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/25/2014 6:07:50 AM	16063
Surr: DNOP	99.7	63.5-128		%REC	1	10/25/2014 6:07:50 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Surr: BFB	90.5	80-120		%REC	1	10/27/2014 12:04:25 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Toluene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Surr: 4-Bromofluorobenzene	90.1	80-120		%REC	1	10/27/2014 12:04:25 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 18 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-19**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:20:00 AM**Lab ID:** 1410B12-019**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	270	10		mg/Kg	1	10/25/2014 6:29:16 AM	16063
Surr: DNOP	105	63.5-128		%REC	1	10/25/2014 6:29:16 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2300	240		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Surr: BFB	183	80-120	S	%REC	50	10/27/2014 12:32:58 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	1.9	1.2		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Toluene	37	2.4		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Ethylbenzene	8.2	2.4		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Xylenes, Total	120	4.7		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Surr: 4-Bromofluorobenzene	104	80-120		%REC	50	10/27/2014 12:32:58 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-20

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:25:00 AM

Lab ID: 1410B12-020

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	69	10		mg/Kg	1	10/25/2014 6:50:37 AM	16063
Surr: DNOP	104	63.5-128		%REC	1	10/25/2014 6:50:37 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	83	4.7		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Surr: BFB	503	80-120	S	%REC	1	10/27/2014 1:01:34 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Toluene	0.25	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Ethylbenzene	0.11	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Xylenes, Total	1.9	0.095		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	10/27/2014 1:01:34 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 20 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-21

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:35:00 AM

Lab ID: 1410B12-021

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	280	9.9		mg/Kg	1	10/25/2014 7:11:56 AM	16063
Surr: DNOP	104	63.5-128		%REC	1	10/25/2014 7:11:56 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2200	240		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Surr: BFB	153	80-120	S	%REC	50	10/27/2014 1:30:02 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.7	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Toluene	33	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Ethylbenzene	5.6	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Xylenes, Total	120	4.9		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Surr: 4-Bromofluorobenzene	105	80-120		%REC	50	10/27/2014 1:30:02 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-22

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:40:00 AM

Lab ID: 1410B12-022

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	20	10		mg/Kg	1	10/25/2014 7:33:09 AM	16063
Surr: DNOP	98.7	63.5-128		%REC	1	10/25/2014 7:33:09 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	230	24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Surr: BFB	193	80-120	S	%REC	5	10/27/2014 10:37:14 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Toluene	0.83	0.24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Ethylbenzene	0.41	0.24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Xylenes, Total	11	0.49		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Surr: 4-Bromofluorobenzene	104	80-120		%REC	5	10/27/2014 10:37:14 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **1410B12**Date Reported: **10/30/2014****CLIENT:** APEX AZTEC**Client Sample ID:** SR-23**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:50:00 AM**Lab ID:** 1410B12-023**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	11	10		mg/Kg	1	10/25/2014 7:54:31 AM	16063
Surr: DNOP	97.6	63.5-128		%REC	1	10/25/2014 7:54:31 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Surr: BFB	107	80-120		%REC	1	10/27/2014 11:05:50 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Toluene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Ethylbenzene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	1	10/27/2014 11:05:50 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-24

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:55:00 AM

Lab ID: 1410B12-024

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/25/2014 8:15:46 AM	16063
Surr: DNOP	116	63.5-128		%REC	1	10/25/2014 8:15:46 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Surr: BFB	90.0	80-120		%REC	1	10/27/2014 11:34:28 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Toluene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Xylenes, Total	ND	0.094		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Surr: 4-Bromofluorobenzene	92.3	80-120		%REC	1	10/27/2014 11:34:28 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 24 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1410B12**Date Reported: **10/30/2014****CLIENT:** APEX AZTEC**Client Sample ID:** SR-25**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 12:05:00 PM**Lab ID:** 1410B12-025**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 8:37:06 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 8:37:06 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Surr: BFB	89.3	80-120		%REC	1	10/27/2014 12:03:11 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Toluene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Surr: 4-Bromofluorobenzene	90.1	80-120		%REC	1	10/27/2014 12:03:11 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-26

Project: Blanco Vent Tank

Collection Date: 10/22/2014 12:15:00 PM

Lab ID: 1410B12-026

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 8:58:21 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 8:58:21 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Surr: BFB	89.1	80-120		%REC	1	10/27/2014 12:31:48 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Toluene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Ethylbenzene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Xylenes, Total	ND	0.099		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Surr: 4-Bromofluorobenzene	89.8	80-120		%REC	1	10/27/2014 12:31:48 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 26 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-27

Project: Blanco Vent Tank

Collection Date: 10/22/2014 12:20:00 PM

Lab ID: 1410B12-027

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	300	9.9		mg/Kg	1	10/25/2014 9:19:45 AM	16063
Surr: DNOP	118	63.5-128		%REC	1	10/25/2014 9:19:45 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2200	240		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Surr: BFB	155	80-120	S	%REC	50	10/27/2014 1:00:23 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.8	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Toluene	35	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Ethylbenzene	9.8	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Xylenes, Total	160	4.7		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Surr: 4-Bromofluorobenzene	104	80-120		%REC	50	10/27/2014 1:00:23 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-28

Project: Blanco Vent Tank

Collection Date: 10/22/2014 12:25:00 PM

Lab ID: 1410B12-028

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	52	10		mg/Kg	1	10/25/2014 9:41:01 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 9:41:01 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	17	4.6		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Surr: BFB	110	80-120		%REC	1	10/27/2014 1:29:05 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Toluene	0.065	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Ethylbenzene	ND	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Xylenes, Total	0.89	0.091		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Surr: 4-Bromofluorobenzene	94.8	80-120		%REC	1	10/27/2014 1:29:05 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16062		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	16062		RunNo:	22124				
Prep Date:	10/23/2014		Analysis Date:	10/24/2014		SeqNo:	652213		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	8.6		10.00		86.3	63.5	128				

Sample ID	LCS-16062		SampType:	LCS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	16062		RunNo:	22124				
Prep Date:	10/23/2014		Analysis Date:	10/24/2014		SeqNo:	652214		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	57	10	50.00	0	113	68.6	130				
Surr: DNOP	4.5		5.000		89.6	63.5	128				

Sample ID	MB-16063		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	16063		RunNo:	22124				
Prep Date:	10/23/2014		Analysis Date:	10/25/2014		SeqNo:	652355		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	8.8		10.00		88.3	63.5	128				

Sample ID	LCS-16063		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 16063		RunNo: 22124					
Prep Date:	10/23/2014		Analysis Date: 10/25/2014		SeqNo: 652356		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	68.6	130			
Surr: DNOP	4.3		5.000		85.4	63.5	128			

Sample ID	1410B12-011AMSD		SampType:	MSD		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	SR-11		Batch ID:	16063		RunNo:	22124				
Prep Date:	10/23/2014		Analysis Date:	10/25/2014		SeqNo:	652358		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	60	10	50.30	0	120	40.1	152	13.9	32.1		
Surr: DNOP	5.8		5.030		115	63.5	128	0	0		

Sample ID	MB-16093		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	16093		RunNo:	22152				
Prep Date:	10/27/2014		Analysis Date:	10/27/2014		SeqNo:	652710		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16093	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16093	RunNo:	22152					
Prep Date:	10/27/2014	Analysis Date:	10/27/2014	SeqNo:	652710	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		85.7	63.5	128			

Sample ID	LCS-16093	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16093	RunNo:	22152					
Prep Date:	10/27/2014	Analysis Date:	10/27/2014	SeqNo:	652711	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	63.5	128			

Sample ID	1410B12-011AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SR-11	Batch ID:	16063	RunNo:	22152					
Prep Date:	10/23/2014	Analysis Date:	10/27/2014	SeqNo:	652712	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.35	0	104	40.1	152			
Surr: DNOP	6.2		5.035		123	63.5	128			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16069	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	651578	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.5	80	120			

Sample ID	LCS-16069	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	651579	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	65.8	139			
Surr: BFB	1000		1000		105	80	120			

Sample ID	1410B12-002AMS	SampType	MS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	SR-2	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651581	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.70	0	119	71.8	132			
Surr: BFB	980		947.9		104	80	120			

Sample ID	1410B12-002AMSD	SampType	MSD	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	SR-2	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651582	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.72	0	118	71.8	132	0.715	20	
Surr: BFB	1000		948.8		106	80	120	0	0	

Sample ID	MB-16070	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	16070	RunNo	22145					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651985	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.1	80	120			

Sample ID	LCS-16070	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	16070	RunNo	22145					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651986	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	LCS-16070	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	16070	RunNo:	22145					
Prep Date:	10/23/2014	Analysis Date:	10/26/2014	SeqNo:	651986	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	65.8	139			
Surr: BFB	970		1000		96.6	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16069	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	16069	RunNo:	22140					
Prep Date:	10/23/2014	Analysis Date:	10/25/2014	SeqNo:	651605	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	LCS-16069	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	16069	RunNo:	22140					
Prep Date:	10/23/2014	Analysis Date:	10/25/2014	SeqNo:	651606	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	92.2	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	1410B12-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	SR-1	Batch ID:	16069	RunNo:	22140					
Prep Date:	10/23/2014	Analysis Date:	10/25/2014	SeqNo:	651608	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.046	0.9242	0	92.8	77.4	142			
Toluene	0.87	0.046	0.9242	0	93.9	77	132			
Ethylbenzene	0.92	0.046	0.9242	0	100	77.6	134			
Xylenes, Total	2.7	0.092	2.773	0	99.1	77.4	132			
Surr: 4-Bromofluorobenzene	0.95		0.9242		103	80	120			

Sample ID	1410B12-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	SR-1	Batch ID:	16069	RunNo:	22140					
Prep Date:	10/23/2014	Analysis Date:	10/25/2014	SeqNo:	651609	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.046	0.9251	0	97.1	77.4	142	4.58	20	
Toluene	0.91	0.046	0.9251	0	98.2	77	132	4.62	20	
Ethylbenzene	0.96	0.046	0.9251	0	103	77.6	134	3.31	20	
Xylenes, Total	2.8	0.093	2.775	0	102	77.4	132	3.12	20	
Surr: 4-Bromofluorobenzene	0.98		0.9251		106	80	120	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16070		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	16070		RunNo:	22145			
Prep Date:	10/23/2014		Analysis Date:	10/26/2014		SeqNo:	652011		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	80	120			

Sample ID	LCS-16070		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	16070		RunNo:	22145			
Prep Date:	10/23/2014		Analysis Date:	10/26/2014		SeqNo:	652012		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.4	80	120			
Toluene	0.97	0.050	1.000	0	97.2	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.9	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

Sample Log-In Check List

Client Name: APEX AZTEC

Work Order Number: 1410B12

RcptNo: 1

Received by/date:	AT	10/23/14	
Logged By:	Anne Thorne	10/23/2014 7:30:00 AM	Anne Thorne
Completed By:	Anne Thorne	10/23/2014	Anne Thorne
Reviewed By:	CS	10/23/14	

Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒


Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

- Additional remarks:


18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Yes			

CHAIN OF CUSTODY RECORD

 APEX Office Location <u>Aztec, NM</u>		Laboratory: <u>Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ Project Manager <u>Kyle Summers</u> PO/SO #: <u>Direct bill to Enterprise</u>		ANALYSIS REQUESTED <div style="transform: rotate(-90deg); transform-origin: center;"> B021 BTEX B015 TPH (Geo/Dro) </div>										Lab use only Due Date: <u>20</u> Temp. of coolers when received (C°): <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> Page <u>1</u> of <u>3</u>					1	2	3	4	5			
		1	2											3	4	5										
Sampler's Name <u>Kyle Summers</u>		Sampler's Signature _____																								
Proj. No. <u>7030411G07B</u>		Project Name <u>Blanco Vent Tank</u>						No/Type of Containers <u>4-02</u>																		
Matrix	Date	Time	C	G	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	AG 1L	250 ml	Glass Jar	P/O	Lab Sample ID (Lab Use Only)													
S	10/22/14	0930			SR-1						1		X	X	1410 B12 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010											
S	10/22/14	0935			SR-2						1		X	X												
S	10/22/14	0940			SR-3						1		X	X												
S	10/22/14	0945			SR-4						1		X	X												
S	10/22/14	0955			SR-5						1		X	X												
S	10/22/14	1000			SR-6						1		X	X												
S	10/22/14	1005			SR-7						1		X	X												
S	10/22/14	1015			SR-8						1		X	X												
S	10/22/14	1020			SR-9						1		X	X												
S	10/22/14	1025			SR-10						1		X	X												
Turn around time <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush															NOTES: <u>Direct Bill to Enterprise Field Services</u> <u>Attn: Tom Long</u>											
Relinquished by (Signature)			Date: <u>10/22/14</u> Time: <u>1642</u>		Received by: (Signature)			Date: <u>10/22/14</u> Time: <u>1642</u>																		
Relinquished by (Signature)			Date: <u>10/22/14</u> Time: <u>1825</u>		Received by: (Signature)			Date: <u>10/22/14</u> Time: <u>1825</u>																		
Relinquished by (Signature)			Date: <u>10/22/14</u> Time: <u>1925</u>		Received by: (Signature)			Date: <u>10/23/14</u> Time: <u>0730</u>																		
Relinquished by (Signature)			Date: _____ Time: _____		Received by: (Signature)			Date: _____ Time: _____																		
Matrix Container WW - Wastewater W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal tube SL - sludge O - Oil VOA - 40 ml vial AG - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other																										

CHAIN OF CUSTODY RECORD

 APEX Office Location <u>Aztec, NM</u>		Laboratory: <u>1-Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ Project Manager <u>Kyle Summers</u> PO/SO #: <u>Direct Bill to Enterprise</u>		ANALYSIS REQUESTED <div style="transform: rotate(-90deg); transform-origin: center;"> 8021 BTX 8015 TPH (GRO/DEO) </div>		Lab use only Due Date: <u>2.0</u> Temp. of coolers when received (C°): <table border="1" style="width:100%; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> Page <u>2</u> of <u>3</u>		1	2	3	4	5
		1	2			3	4	5				
Sampler's Name <u>Kyle Summers</u> Sampler's Signature _____		Project No. <u>703041117018</u> Project Name <u>Blanco Vent Tank</u> No/Type of Containers <u>4-02</u>										

Matrix	Date	Time	C	G	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 L	250 ml	Glass Jar	P/O	Lab Sample ID (Lab Use Only)		
S	10/22/14	1030			SR-11						1		X	X	1410B12 - 011
S	10/22/14	1040			SR-12						1		X	X	-013 - 002
S	10/22/14	1045			SR-13						1		X	X	-044 - 003
S	10/22/14	1050			SR-14						1		X	X	-015 - 004
S	10/22/14	1055			SR-15						1		X	X	-016 - 005
S	10/22/14	1100			SR-16						1		X	X	-017 - 006
S	10/22/14	1105			SR-17						1		X	X	-018 - 007
S	10/22/14	1115			SR-18						1		X	X	-019 - 008
S	10/22/14	1120			SR-19						1		X	X	-020 - 009
S	10/22/14	1125			SR-20						1		X	X	-021 - 010

Turn around time ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature) <u>[Signature]</u>	Date: <u>10/22/14</u>	Time: <u>1642</u>	Received by: (Signature) <u>Heather M. Woods</u>	Date: <u>10/22/14</u>	Time: <u>1642</u>	NOTES: Direct Bill to Enterprise Field Services. Attn: Tom Long
Relinquished by (Signature) <u>Heather M. Woods</u>	Date: <u>10/22/14</u>	Time: <u>1825</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>10/22/14</u>	Time: <u>1825</u>	
Relinquished by (Signature) <u>[Signature]</u>	Date: <u>10/23/14</u>	Time: <u>1925</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>10/23/14</u>	Time: <u>0730</u>	
Relinquished by (Signature) _____	Date: _____	Time: _____	Received by: (Signature) _____	Date: _____	Time: _____	

Matrix Container WW - Wastewater W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal tube SL - sludge O - Oil
 VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

 APEX Office Location <u>Aztec, NM</u>						Laboratory: <u>Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ PO/SO #: <u>Direct Bill to Enterprise</u>								ANALYSIS REQUESTED		Lab use only Due Date: <u>2-6</u> Temp. of coolers when received (C°): <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> Page <u>3</u> of <u>3</u>					1	2	3	4	5
						1	2	3	4	5															
Project Manager <u>Kyle Summers</u>						Sampler's Name _____						Sampler's Signature _____													
Proj. No. <u>7030411601B</u>			Project Name <u>Bianco Vent Tank</u>						No/Type of Containers <u>4 - 02</u>						<div style="position: relative; height: 300px;"> 8021 BTEX 8015 TPH (GRO/DOD) </div> <div style="position: absolute; bottom: 0; right: 0; text-align: right;"> AT 10/23/14 Lab Sample ID (Lab Use Only) <u>141UB12-D22</u> <u>-022 -023</u> <u>-023 -024</u> <u>-024 -025</u> <u>-025 -026</u> <u>-026 -027</u> <u>-027 -028</u> <u>-028 -029</u> </div>										
Matrix	Date	Time	Cod P	Gra b	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	AG 1 Lt.	250 ml	Glass Jar	P/O													
S	10/22/14	1135			SR-21						1	X Y													
S	10/22/14	1140			SR-22						1	X X													
S	10/22/14	1150			SR-23						1	X Y													
S	10/22/14	1155			SR-24						1	X X													
S	10/22/14	1205			SR-25						1	X Y													
S	10/22/14	1215			SR-26						1	X X													
S	10/22/14	1220			SR-27						1	X X													
S	10/22/14	1225			SR-28						1	Y X													
NFS																									
Turn around time <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush																									
Relinquished by (Signature) <u>[Signature]</u>			Date: <u>10/22/14</u>		Time: <u>1642</u>		Received by (Signature) <u>Heath M. Woods</u>			Date: <u>10/22/14</u>		Time: <u>1642</u>		NOTES: Direct bill to Enterprise Field Services Attn: Tom Long											
Relinquished by (Signature) <u>Heath M. Woods</u>			Date: <u>10/22/14</u>		Time: <u>1825</u>		Received by (Signature) <u>Martin Walea</u>			Date: <u>10/22/14</u>		Time: <u>1825</u>													
Relinquished by (Signature) <u>[Signature]</u>			Date: <u>10/22/14</u>		Time: <u>1925</u>		Received by (Signature) <u>[Signature]</u>			Date: <u>10/23/14</u>		Time: <u>0730</u>													
Relinquished by (Signature) _____			Date: _____		Time: _____		Received by (Signature) _____			Date: _____		Time: _____													

Apex TITAN, Inc. • 606 S. Rio Grande, Suite A, Downstairs • Aztec, New Mexico 87410 • Office: 505-334-5200 • Fax: 505-334-5204

36.863670 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 811 S. First St., Artesia, NM 88210
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy Minerals and Natural Resources

Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

JAN 02 2015 Form C-141
 Revised August 8, 2011

Submit 1 Copy to appropriate District Office
 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Updated

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Blanco Vent Tank Release RP#3R-438-0	Facility Type: Natural Gas Compressing Facility

Surface Owner: Private	Mineral Owner: BLM	API No.
------------------------	--------------------	---------

LOCATION OF RELEASE

Unit Letter C	Section 14	Township 29N	Range 11W	Feet from the 984	North South Line	Feet from the 1398	East West Line	County San Juan
------------------	---------------	-----------------	--------------	-------------------------	---------------------	--------------------------	-------------------	--------------------

Latitude 36.73019 Longitude -107.96524

NATURE OF RELEASE

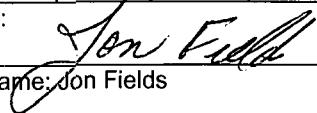
Type of Release: Condensate	Volume of Release ~5 BBLS	Volume Recovered: None
Source of Release: Tank Over Flow	Date and Hour of Occurrence: December 7, 2011 @12:30 p.m.	Date and Hour of Discovery: December 7, 2011 @12:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: On December 7, 2011, five (5) barrels of condensate was release into the unlined containment. Standing liquids was removed and initial remediation of the release was implemented where approximately 1, 077 cubic yards of hydrocarbon impacted soil was excavated and transported to an approved NMOCD landfarm facility. These activities are documented in the Corrective Action Report – Blanco Storage Vent Tank Release, dated January 6, 2012 (Southwest Geoscience). Due to operational and safety considerations, including third party pipeline right of ways (ROWs), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. In 2014, the vent tank was permanently removed from service. In October 2014, Enterprise implemented a Supplemental Site Investigation to further assess subsurface impacts. Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches ranged from two (2) to eight (8) feet in depth.

Describe Area Affected and Cleanup Action: In October 2014, Enterprise implemented a Supplemental Site Investigation to further assess subsurface impacts. Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches ranged from two (2) to eight (8) feet in depth. Base on the attached Supplemental Site Investigation report, additional corrective action is required. Enterprise anticipates the scheduling of the supplemental corrective actions in early 2015 based on available contractors.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist:	
Title: Director, Environmental	Approval Date:	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12-29-2014	Phone: (713)381-6684	



OIL CONS. DIV DIST. 3

JAN 02 2015

SUPPLEMENTAL SITE INVESTIGATION REPORT (2014)

RP # 3R-438-0

Property:

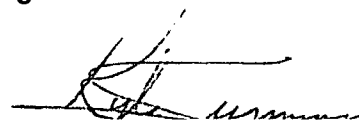
Blanco Storage Vent Tank
NW ¼ Section 14, T29N R11W
Bloomfield, San Juan County, New Mexico

December 11, 2014
Apex Project No. 7030411G018

Prepared for:

Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, NM 87401
Attn: Mr. Thomas Long

Prepared by:



Kyle Summers, C.P.G.
Branch Manager / Senior Geologist



Elizabeth Scaggs, P.G.
Senior Program Manager

TABLE OF CONTENTS

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1.2	Project Objective	1
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4.0	DATA EVALUATION	4
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LIST OF APPENDICES

Appendix A: Figures

Appendix B: Table

Appendix C: Laboratory Data Sheets &
Chain of Custody Documentation

SUPPLEMENTAL SITE INVESTIGATION REPORT (2014)

RP # 3R-438-0

**Blanco Storage Vent Tank
NW ¼ Section 14, T29N R11W
Bloomfield, San Juan County, New**

Apex Project No. 7030411G018

1.0 INTRODUCTION

1.1 Site Description and Background

The Blanco Storage Vent Tank Release Site is located within the Enterprise Field Services, LLC (Enterprise) Blanco Storage facility in the Northwest (NW) ¼ of Section 14, Township 29 North and Range 11 West in Bloomfield, San Juan County, New Mexico, referred to hereinafter as the "Site" or "subject Site". The Site is located on private land within the Enterprise Blanco Storage facility. The immediate surroundings are predominantly characterized by petroleum gathering and processing facilities.

On December 7th, 2011, evidence of a release was identified at the Site. An unknown quantity of natural gas condensate (condensate) and water was released into the unlined secondary containment as a result of an overflow from the vent tank. Soil discoloration indicates that the released fluids primarily pooled in the southern half of the containment, with the deepest pooling occurring in the southwest corner of the containment. Soil removal activities were initiated on December 14th, 2011 and resulted in the removal of approximately 1,077 cubic yards of affected soil, which was subsequently transported to the Envirotech, Inc. land farm facility near Hilltop, New Mexico for treatment/disposal. These activities are documented in the *Corrective Action Report – Blanco Storage Vent Tank Release*, dated January 6, 2012 (Southwest Geoscience).

Due to operational and safety considerations, including third party pipeline right of ways (ROWs), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. During 2014, the vent tank was permanently taken out of service and removed from the Site.

A topographic map depicting the location of the Site is included as Figure 1, and a Site Vicinity Map is included as Figure 2 in Appendix A.

1.2 Project Objective

The primary objective of the Supplemental Site Investigation (SSI) was to further define the remaining hydrocarbon impact at the Site, which in turn, will help determine the best course of corrective action to reduce the concentration of constituents of concern (COCs) in the on-Site soils to below the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD) Remediation Action Levels.

1.3 Site Ranking

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to condensate releases, the New Mexico EMNRD OCD utilizes the Guidelines for Remediation of Leaks, Spills and Releases as guidance, in addition to the OCD rules, specifically New Mexico Administrative Code (NMAC) 19.15.29 *Remediation Plan*. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action. Apex TITAN, Inc. (Apex) utilized the general site characteristics to determine the appropriate "ranking" for the Site. Ranking criteria and associated scoring are provided in the following table:

Ranking Criteria			Ranking Score
Depth to Groundwater	<50 feet	20	20
	50 to 99 feet	10	
	>100 feet	0	
Wellhead Protection Area • <1,000 feet from a water source, or; <200 feet from private domestic water source.	Yes	20	0
	No	0	
Distance to Surface Water Body	<200 feet	20	10
	200 to 1,000 feet	10	
	>1,000 feet	0	
Total Ranking Score			30

Based on Apex's evaluation of the scoring criteria, the Site would have a maximum Total Ranking Score of 30. This ranking is based on the following:

- Numerous wells are documented within a 1.5 mile radius of the site. The closest well, based on information obtained from the New Mexico State Engineer's Office is >1,000 feet to the southeast of the Site at a lower elevation on the valley floor. Groundwater was not encountered during the excavation activities, and the actual depth to groundwater is unknown. Based on data from other environmental studies in the vicinity, groundwater may be present at a depth of < 50 feet below grade surface (bgs) at the Site.
- No water sources were identified in the immediate area.
- Bloomfield Canyon Arroyo, though generally dry, is located approximately 2,450 feet west of the Site. A seasonal irrigation ditch is located approximately 850 feet west of the Site.

Based on a Total Ranking Score of 30, cleanup goals for soil located at the Site include: 10 milligrams per kilogram (mg/Kg) for benzene, 50 mg/Kg for total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/Kg for total petroleum hydrocarbon (TPH) gasoline range organics (GRO)/diesel range organics (DRO).

1.4 Standard of Care, Limitations & Reliance

Apex's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Apex makes no warranties, expressed or implied, as to the services performed hereunder. Additionally, Apex does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client.

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Apex cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this scope of services. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Apex's findings and recommendations are based solely upon data available to Apex at the time of these services.

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the expressed written authorization of Enterprise and Apex. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and Apex's Agreement. The limitation of liability defined in the agreement is the aggregate limit of Apex's liability to the client.

2.0 SITE INVESTIGATION

Enterprise implemented a SSI during October 2014 to further assess the incomplete corrective action excavation performed during December 2011. A backhoe was utilized to perform investigative trenching operations outside of the boundaries of the 2011 excavation.

2.1 Investigative Trenching

Thirteen (13) trenches were advanced around the former excavation perimeter, measuring up to ten (10) feet in length and averaging 1.5 feet wide. The depths of the trenches varied from two (2) to eight (8) feet in depth, depending on the depth at which sandstone was encountered.

The lithology encountered during the completion of SSI activities consisted primarily of sands and silty sands, underlain by a shaley sandstone present at depths ranging from two (2) foot to eight (8) feet bgs. Groundwater was not encountered during the excavation activities.

2.2 Soil Sampling Program

Apex's soil sampling program included the collection of 28 investigation samples from the side walls and bottom of the investigative trenches for laboratory analysis. Depending on the final depth of the trench, either two (2) or three (3) samples were collected from each location. The soil sample intervals were selected to obtain the maximum coverage of the trench's vertical profile.

Figure 3 and Figure 4 depict the approximate dimensions of the December 2011 excavation and 2014 SSI trenches, respectively, as well as the analytical sample locations for soils remaining in place. (Appendix A).

The soil samples selected for laboratory analysis were collected and placed in laboratory prepared glassware, labeled/sealed using the laboratory supplied label, and placed on ice in a cooler, which was secured with a custody seal. The sample cooler and completed chain-of-

custody form were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

3.0 LABORATORY ANALYTICAL METHODS

The soil samples selected for laboratory analysis were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA SW-846 Method #8021, and total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (GRO) using EPA SW-846 Method #8015.

Laboratory results for the investigative soil samples are summarized in Table 1, included in Appendix B. The executed chain-of-custody form and laboratory data sheets are provided in Appendix C.

4.0 DATA EVALUATION

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to condensate releases, the New Mexico EMNRD OCD utilizes the Guidelines for Remediation of Leaks, Spills and Releases as guidance, in addition to the OCD rules, specifically NMAC 19.15.29 *Remediation Plan*. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

Apex compared the TPH GRO/DRO and BTEX concentrations or laboratory reporting limits (RLs) associated with the soil samples to the OCD *Remediation Action Levels* for a Site ranking of 30.

Total Petroleum Hydrocarbons

Investigative soil samples SR-1 through SR-14, SR-16, SR-18, SR-23 through SR-26, and SR-28 exhibited combined TPH GRO/DRO concentrations ranging from below the laboratory RL to 69 mg/Kg, which are below the OCD's *Remediation Action Level* of 100 mg/Kg.

Investigative soil samples SR-15, SR-17, SR-19 through SR-22, and SR-27 exhibited combined TRP GRO/DRO concentrations ranging from 152 mg/Kg to 3,900 mg/Kg, which exceed the OCD's *Remediation Action Level* of 100 mg/Kg.

Benzene

Investigative soil samples SR-1 through SR-28 exhibited benzene concentration levels ranging from below laboratory RLs to 2.8 mg/Kg, which are below the OCD's *Remediation Action Level* of 10 mg/Kg.

Total BTEX

Investigative soil samples SR-1 through SR-14, SR-16, SR-17, SR-18, SR-20, SR-22 through SR-26, and SR-28 exhibited total BTEX concentrations ranging from below the laboratory RLs to 21 mg/Kg, which are below the OCD's *Remediation Action Level* of 50 mg/Kg.

Investigative soil samples SR-15, SR-19, SR-21, and SR-27 exhibited total BTEX concentrations ranging from 161 mg/Kg to 405 mg/Kg, which exceed the OCD's *Remediation Action Level* of 50 mg/Kg.

The results of soil sample analyses are summarized in Table 1 of Appendix B. Figures 3 and 4 (Appendix A) provide sample locations, and identify the samples that exceeded the OCD *Remediation Action Level* for the 2011 excavation and the 2014 SSI, respectively.

5.0 FINDINGS AND RECOMMENDATIONS

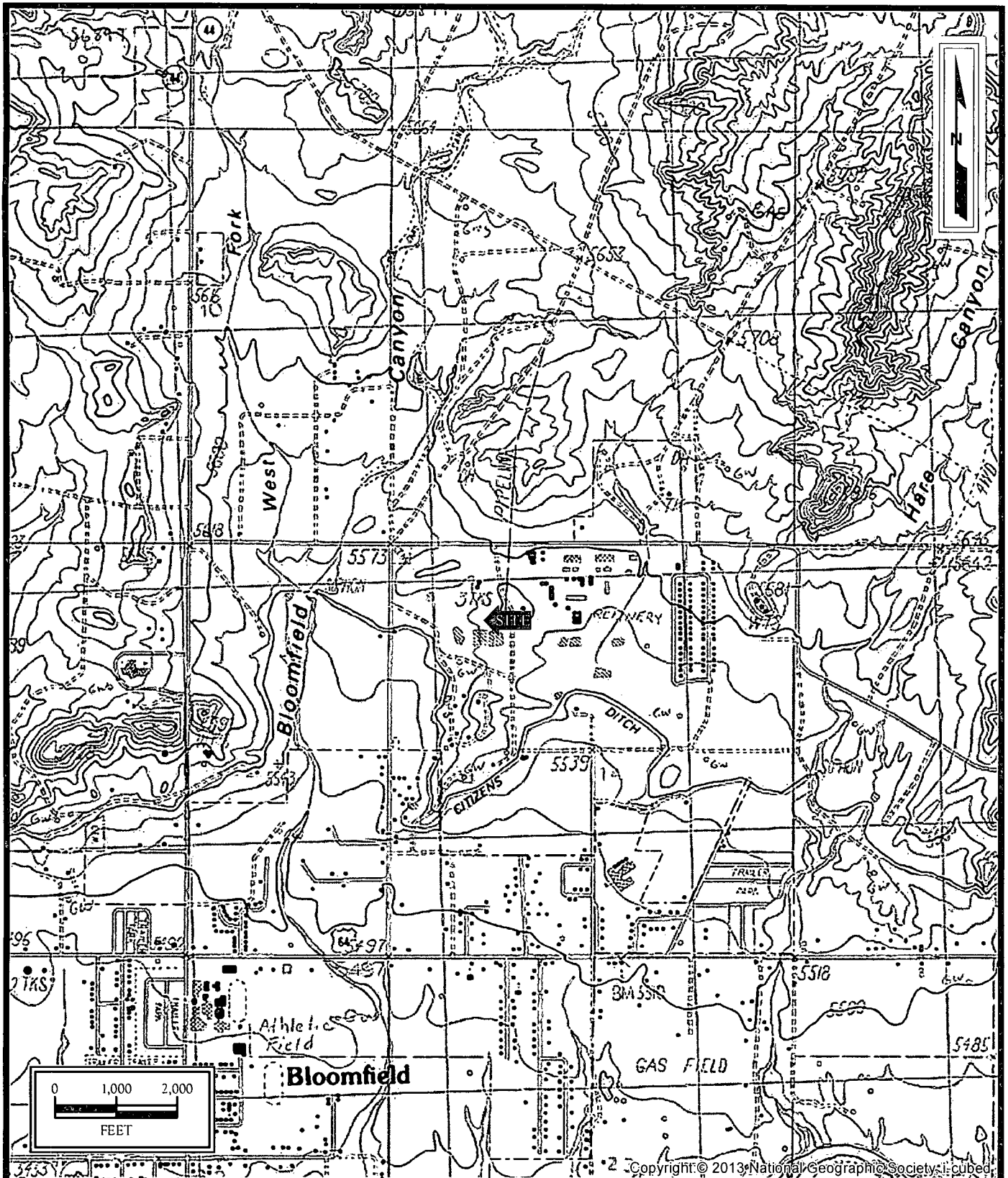
The Blanco Storage Vent Tank Release Site is located within the Enterprise Blanco Storage facility in the NW ¼ of Section 14, Township 29 North and Range 11 West in Bloomfield, San Juan County, New Mexico. The Site is located on private land within the Enterprise Blanco Storage facility. The immediate surroundings are predominantly characterized by petroleum gathering and processing facilities.

On December 7th, 2011, evidence of a release was identified at the Site. An unknown quantity of natural gas condensate (condensate) and water was released into the unlined secondary containment as a result of an overflow from the vent tank. Soil discoloration indicates that the released fluids primarily pooled in the southern half of the containment, with the deepest pooling occurring in the southwest corner of the containment. Soil removal activities were initiated on December 14th, 2011 and resulted in the removal of approximately 1,077 cubic yards of affected soil, which was subsequently transported to the Envirotech, Inc. land farm facility near Hilltop, New Mexico for treatment/disposal.

Due to operational and safety considerations, including third party pipeline right of ways (ROWs), lateral advancement of the December 2011 excavation was terminated prior to the removal of all petroleum hydrocarbon impacted soils. The excavation was backfilled with clean fill to surrounding grade, and a new, lined containment area was built to house the methanol and vent tanks. During 2014, the vent tank was permanently taken out of service and removed from the Site.

- The primary objective of the SSI was to further define the remaining hydrocarbon impact at the Site,, which in turn, will help determine the best course of corrective action to reduce the concentration of COCs in the on-Site soils to below the New Mexico EMNRD OCD Remediation Action Levels.
- The lithology encountered during the completion of SSI activities consisted primarily of sands and silty sands, underlain by a shaley sandstone present at depths ranging from two (2) foot to eight (8) feet bgs. Groundwater was not encountered during the excavation activities.
- Analytical data obtained from the SSI indicates affected soils previously identified at the eastern, southeastern, and southern sidewalls of the former excavation are limited in extent.
- Analytical data obtained from the SSI indicates hydrocarbon impact is present west and southwest of the former excavation, exhibiting BTEX and TPH concentrations that exceed the OCD Remediation Action Levels. The extent of this impact is not fully defined.

Based on data obtained from the SSI, additional corrective action is necessary at the former release Site. The presence of affected soils to the west (cross-gradient) may indicate a second historic release source.



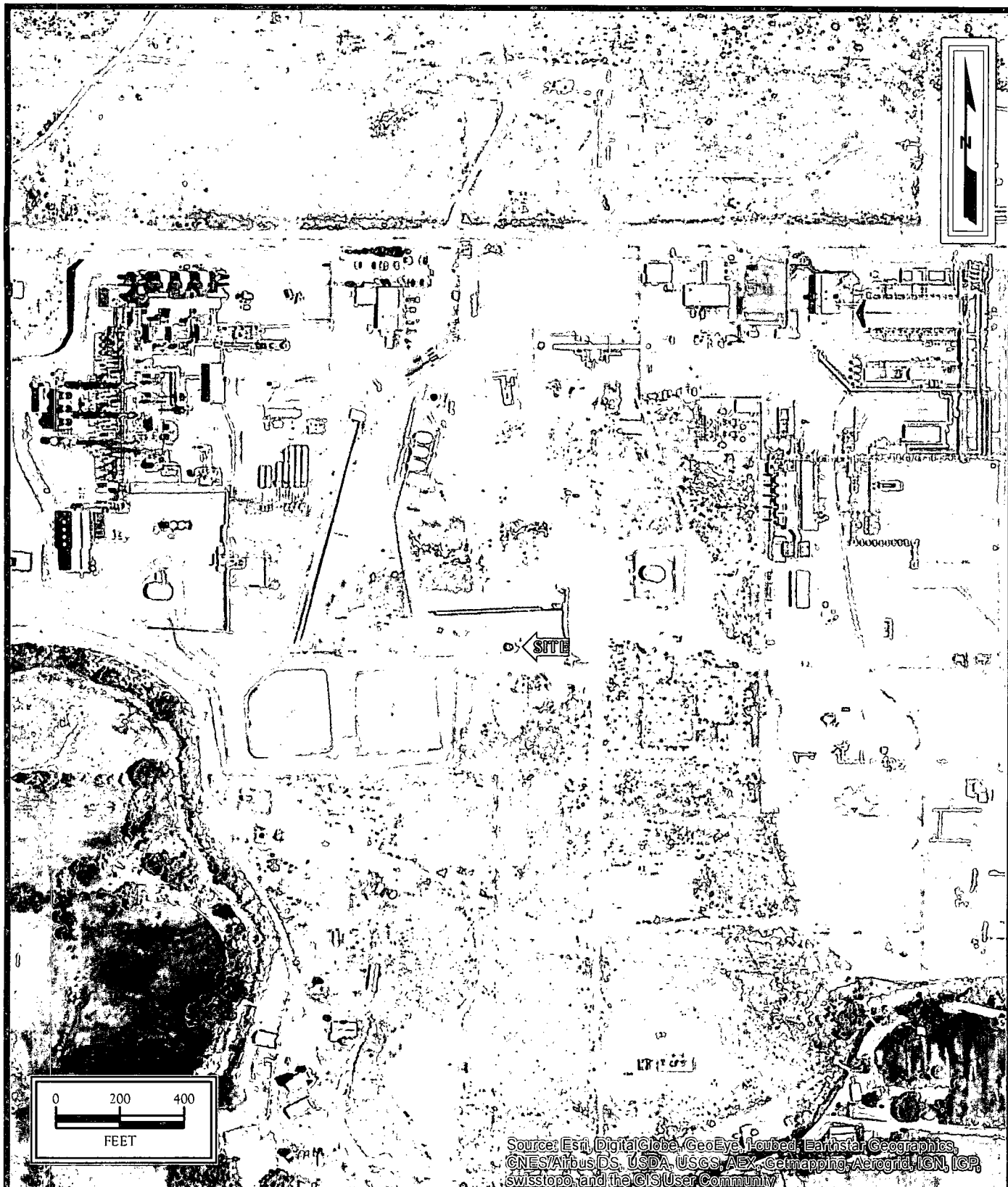
Enterprise Field Services
 Blanco Vent Tank
 NW1/4 S14 T29N R11W
 County Road 4900
 San Juan County, New Mexico
 36.73019N, 107.96524W

Project No. 7030411G018.001



Apex TITAN, Inc.
 806 South Rio Grande, Suite A
 Aztec, NM 87410
 Phone: (505) 334-5200
www.apexcoos.com
 A Subsidiary of Apex Companies, LLC

FIGURE 1
Topographic Map
 Bloomfield, NM Quadrangle
 1985



Enterprise Field Services

Blanco Vent Tank

NW1/4 S14 T29N R11W

County Road 4900

San Juan County, New Mexico

36.73019N, 107.96524W

Project No. 7030411G018.001



Apex TITAN, Inc.

606 South Rio Grande, Suite A

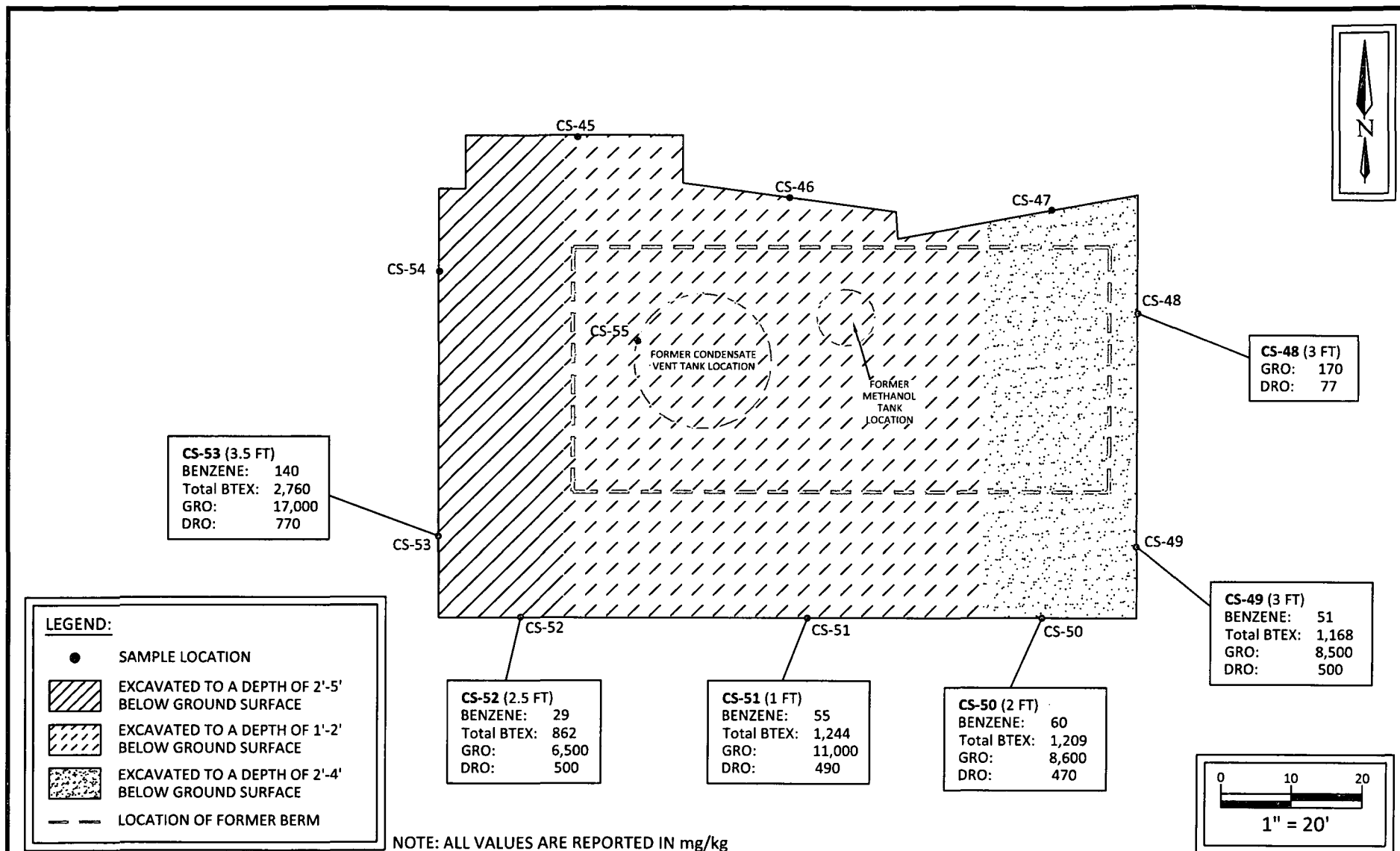
Aztec, NM 87410

Phone: (505) 334-5200

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FIGURE 2
Site Vicinity Map

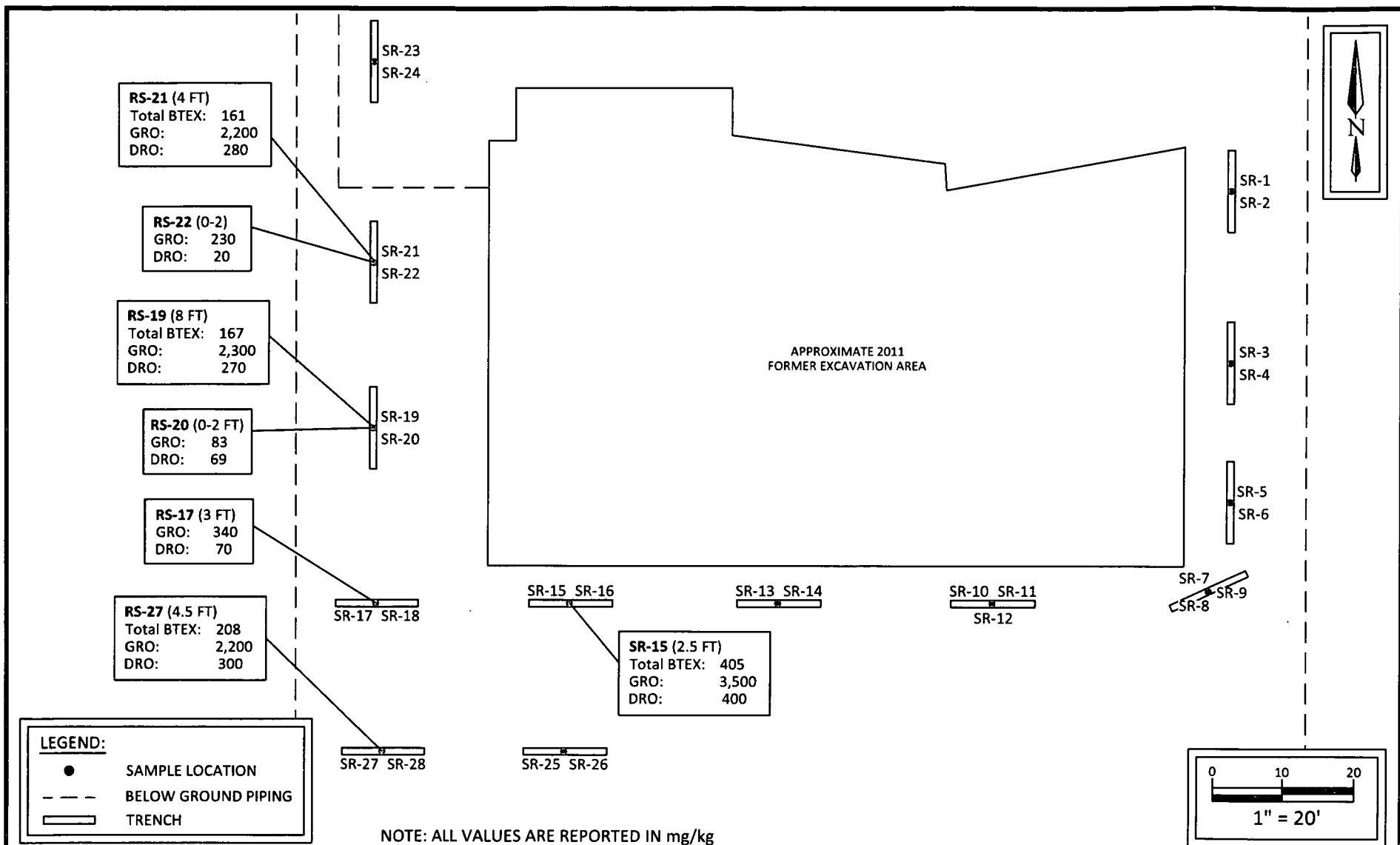


Enterprise Field Services
Blanco Vent Tank
 NW1/4 S14 T29N R11W
 County Road 4900
 San Juan County, New Mexico
 36.73019N, 107.96524W
 Project No. 7030411G018.001

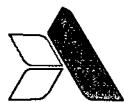


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FIGURE 3
Site Map with
2011 COC Exceedances



Enterprise Field Services
Blanco Vent Tank
 NW1/4 S14 T29N R11W
 County Road 4900
 San Juan County, New Mexico
 36.73019N, 107.96524W
 Project No. 7030411G018.001



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FIGURE 4
Site Map with
2014 COC Exceedances

DRAFT TABLE 1
Blanco Storage Vent Tank Release
SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Minerals & Natural Resources Department, Oil Conservation Division, Remediation Action Level			10	NE	NE	NE	50	100	
Corrective Action Sample Results for Soils Remaining in Place- 2011									
CS-45	12/19/2011	2.0	<0.049	<0.049	<0.049	<0.097	<0.25	<4.9	<10
CS-46	12/19/2011	2.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<10
CS-47	12/19/2011	3.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<10
CS-48	12/19/2011	3.0	<0.095	3.8	1.4	19	24.2	170	77
CS-49	12/19/2011	3.0	51	450	57	610	1,168	8,500	500
CS-50	12/19/2011	2.0	62	470	57	620	1,209	8,600	470
CS-51	12/19/2011	1.0	55	480	59	650	1,244	11,000	490
CS-52	12/19/2011	2.5	29	300	43	490	862	6,500	500
CS-53	12/19/2011	3.5	140	1,100	120	1,400	2,760	17,000	770
CS-54	12/19/2011	3.0	<0.048	<0.048	<0.048	<0.096	<0.24	<4.8	<9.7
CS-55	12/19/2011	3.0	<0.047	<0.047	<0.047	<0.094	<0.24	6.5	11
SSI Sample Results - 2014									
SR-1	10/22/2014	3.5	<0.046	<0.046	<0.046	<0.093	ND	<4.6	<10
SR-2	10/22/2014	0 to 3.5	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<10
SR-3	10/22/2014	3	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10
SR-4	10/22/2014	0 to 3	<0.048	<0.048	<0.048	<0.095	ND	<4.8	<10
SR-5	10/22/2014	2.25	<0.048	<0.048	<0.048	<0.096	ND	<4.8	<10
SR-6	10/22/2014	0 to 2	<0.046	<0.046	<0.046	<0.092	ND	<4.6	<9.9
SR-7	10/22/2014	1 to 4	<0.047	<0.047	<0.047	<0.093	ND	<4.7	<10
SR-8	10/22/2014	5	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9
SR-9	10/22/2014	6	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.9
SR-10	10/22/2014	1 to 4	<0.046	<0.046	<0.046	<0.093	ND	<4.6	38
SR-11	10/22/2014	0 to 1	<0.049	<0.049	<0.049	<0.098	ND	<4.9	<10
SR-12	10/22/2014	5	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<10



DRAFT TABLE 1
Blanco Storage Vent Tank Release
SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Minerals & Natural Resources Department, Oil Conservation Division, Remediation Action Level			10	NE	NE	NE	50	100	
SR-13	10/22/2014	2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-14	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-15	10/22/2014	2.5	2.4	99	24	280	405	3,500	400
SR-16	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<10
SR-17	10/22/2014	3	<0.24	1.7	0.83	18	21	340	70
SR-18	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<9.8
SR-19	10/22/2014	8	1.9	37	8.2	120	167	2,300	270
SR-20	10/22/2014	0 to 2	<0.047	0.25	0.11	1.9	2.3	83	69
SR-21	10/22/2014	4	2.7	33	5.6	120	161	2,200	280
SR-22	10/22/2014	0 to 2	<0.12	0.83	0.41	11	12	230	20
SR-23	10/22/2014	3	<0.048	<0.048	<0.048	<0.095	ND	<4.8	11
SR-24	10/22/2014	0 to 2	<0.047	<0.047	<0.047	<0.094	ND	<4.7	<9.9
SR-25	10/22/2014	4	<0.047	<0.047	<0.047	<0.095	ND	<4.7	<10
SR-26	10/22/2014	0 to 2	<0.050	<0.050	<0.050	<0.099	ND	<5.0	<10
SR-27	10/22/2014	4.5	2.8	35	9.8	160	208	2,200	300
SR-28	10/22/2014	0 to 3	<0.046	0.065	<0.046	0.89	0.96	17	52

Note: Concentrations in **bold** and yellow exceed the applicable OCD Remediation Action Level

NE = Not Established

ND=Not Detected above the Laboratory Reporting Limits



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 30, 2014

Kyle Summers
APEX AZTEC
606 S. Rio Grande Unit A
Aztec, NM 87410
TEL: (903) 821-5603
FAX (505) 334-5204

RE: Blanco Vent Tank

OrderNo.: 1410B12

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 28 sample(s) on 10/23/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', with a stylized flourish at the end.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-1**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 9:30:00 AM**Lab ID:** 1410B12-001**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:13:53 PM	16062
Surr: DNOP	92.6	63.5-128		%REC	1	10/24/2014 6:13:53 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Surr: BFB	100	80-120		%REC	1	10/26/2014 3:34:11 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 3:34:11 AM	16069
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	10/26/2014 3:34:11 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 1 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-2**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 9:35:00 AM**Lab ID:** 1410B12-002**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:35:59 PM	16062
Surr: DNOP	90.0	63.5-128		%REC	1	10/24/2014 6:35:59 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Surr: BFB	88.7	80-120		%REC	1	10/26/2014 1:06:35 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 1:06:35 PM	16069
Surr: 4-Bromofluorobenzene	88.4	80-120		%REC	1	10/26/2014 1:06:35 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-3

Project: Blanco Vent Tank

Collection Date: 10/22/2014 9:40:00 AM

Lab ID: 1410B12-003

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 6:58:08 PM	16062
Surr: DNOP	102	63.5-128		%REC	1	10/24/2014 6:58:08 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Surr: BFB	90.3	80-120		%REC	1	10/26/2014 1:35:07 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2014 1:35:07 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 1:35:07 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Page 3 of 34

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-4

Project: Blanco Vent Tank

Collection Date: 10/22/2014 9:45:00 AM

Lab ID: 1410B12-004

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 7:20:12 PM	16062
Surr: DNOP	89.8	63.5-128		%REC	1	10/24/2014 7:20:12 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Surr: BFB	90.6	80-120		%REC	1	10/26/2014 2:03:45 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Toluene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 2:03:45 PM	16069
Surr: 4-Bromofluorobenzene	91.5	80-120		%REC	1	10/26/2014 2:03:45 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 4 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-5**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 9:55:00 AM**Lab ID:** 1410B12-005**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 7:42:15 PM	16062
Surr: DNOP	90.7	63.5-128		%REC	1	10/24/2014 7:42:15 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Surr: BFB	98.4	80-120		%REC	1	10/26/2014 2:32:23 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Toluene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2014 2:32:23 PM	16069
Surr: 4-Bromofluorobenzene	92.1	80-120		%REC	1	10/26/2014 2:32:23 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: APEX AZTEC

Client Sample ID: SR-6

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:00:00 AM

Lab ID: 1410B12-006

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 8:04:05 PM	16062
Surr: DNOP	98.6	63.5-128		%REC	1	10/24/2014 8:04:05 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Surr: BFB	91.5	80-120		%REC	1	10/26/2014 3:01:00 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Xylenes, Total	ND	0.092		mg/Kg	1	10/26/2014 3:01:00 PM	16069
Surr: 4-Bromofluorobenzene	91.3	80-120		%REC	1	10/26/2014 3:01:00 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 6 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-7**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:05:00 AM**Lab ID:** 1410B12-007**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2014 8:26:03 PM	16062
Surr: DNOP	106	63.5-128		%REC	1	10/24/2014 8:26:03 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Surr: BFB	89.7	80-120		%REC	1	10/26/2014 3:29:40 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 3:29:40 PM	16069
Surr: 4-Bromofluorobenzene	89.9	80-120		%REC	1	10/26/2014 3:29:40 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**Date Reported: **10/30/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** APEX AZTEC**Client Sample ID:** SR-8**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:15:00 AM**Lab ID:** 1410B12-008**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 8:47:48 PM	16062
Surr: DNOP	91.6	63.5-128		%REC	1	10/24/2014 8:47:48 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 3:58:16 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 3:58:16 PM	16069
Surr: 4-Bromofluorobenzene	91.7	80-120		%REC	1	10/26/2014 3:58:16 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-9

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:20:00 AM

Lab ID: 1410B12-009

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2014 9:09:37 PM	16062
Surr: DNOP	87.1	63.5-128		%REC	1	10/24/2014 9:09:37 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Surr: BFB	89.1	80-120		%REC	1	10/26/2014 4:26:47 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2014 4:26:47 PM	16069
Surr: 4-Bromofluorobenzene	89.6	80-120		%REC	1	10/26/2014 4:26:47 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-10**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:25:00 AM**Lab ID:** 1410B12-010**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	38	10		mg/Kg	1	10/24/2014 9:31:16 PM	16062
Surr: DNOP	88.4	63.5-128		%REC	1	10/24/2014 9:31:16 PM	16062
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 4:55:18 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Toluene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2014 4:55:18 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 4:55:18 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-11

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:30:00 AM

Lab ID: 1410B12-011

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 2:55:06 AM	16063
Surr: DNOP	93.4	63.5-128		%REC	1	10/25/2014 2:55:06 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Surr: BFB	90.3	80-120		%REC	1	10/26/2014 5:23:56 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2014 5:23:56 PM	16069
Surr: 4-Bromofluorobenzene	91.3	80-120		%REC	1	10/26/2014 5:23:56 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 11 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**Date Reported: **10/30/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** APEX AZTEC**Client Sample ID:** SR-12**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:40:00 AM**Lab ID:** 1410B12-012**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 3:59:15 AM	16063
Surr: DNOP	97.9	63.5-128		%REC	1	10/25/2014 3:59:15 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Surr: BFB	89.0	80-120		%REC	1	10/26/2014 9:12:57 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Toluene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2014 9:12:57 PM	16069
Surr: 4-Bromofluorobenzene	89.5	80-120		%REC	1	10/26/2014 9:12:57 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 12 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-13**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:45:00 AM**Lab ID:** 1410B12-013**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 4:20:42 AM	16063
Surr: DNOP	95.6	63.5-128		%REC	1	10/25/2014 4:20:42 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Surr: BFB	90.0	80-120		%REC	1	10/26/2014 9:41:29 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 9:41:29 PM	16069
Surr: 4-Bromofluorobenzene	91.2	80-120		%REC	1	10/26/2014 9:41:29 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 13 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1410B12**

Date Reported: **10/30/2014**

CLIENT: APEX AZTEC

Client Sample ID: SR-14

Project: Blanco Vent Tank

Collection Date: 10/22/2014 10:50:00 AM

Lab ID: 1410B12-014

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 4:42:03 AM	16063
Surr: DNOP	98.2	63.5-128		%REC	1	10/25/2014 4:42:03 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Surr: BFB	89.8	80-120		%REC	1	10/26/2014 10:09:59 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 10:09:59 PM	16069
Surr: 4-Bromofluorobenzene	90.9	80-120		%REC	1	10/26/2014 10:09:59 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 14 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-15**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 10:55:00 AM**Lab ID:** 1410B12-015**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	400	10		mg/Kg	1	10/25/2014 5:03:45 AM	16063
Surr: DNOP	98.7	63.5-128		%REC	1	10/25/2014 5:03:45 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	3500	240		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Surr: BFB	209	80-120	S	%REC	50	10/26/2014 10:38:35 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.4	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Toluene	99	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Ethylbenzene	24	2.4		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Xylenes, Total	280	4.7		mg/Kg	50	10/26/2014 10:38:35 PM	16069
Surr: 4-Bromofluorobenzene	109	80-120		%REC	50	10/26/2014 10:38:35 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-16**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:00:00 AM**Lab ID:** 1410B12-016**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 5:25:09 AM	16063
Surr: DNOP	106	63.5-128		%REC	1	10/25/2014 5:25:09 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Surr: BFB	90.9	80-120		%REC	1	10/26/2014 11:07:12 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Toluene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2014 11:07:12 PM	16069
Surr: 4-Bromofluorobenzene	92.0	80-120		%REC	1	10/26/2014 11:07:12 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 16 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-17

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:05:00 AM

Lab ID: 1410B12-017

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	70	9.8		mg/Kg	1	10/25/2014 5:46:33 AM	16063
Surr: DNOP	101	63.5-128		%REC	1	10/25/2014 5:46:33 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	340	49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Surr: BFB	175	80-120	S	%REC	10	10/26/2014 11:35:46 PM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.24		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Toluene	1.7	0.49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Ethylbenzene	0.83	0.49		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Xylenes, Total	18	0.97		mg/Kg	10	10/26/2014 11:35:46 PM	16069
Surr: 4-Bromofluorobenzene	102	80-120		%REC	10	10/26/2014 11:35:46 PM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-18**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:15:00 AM**Lab ID:** 1410B12-018**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/25/2014 6:07:50 AM	16063
Surr: DNOP	99.7	63.5-128		%REC	1	10/25/2014 6:07:50 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Surr: BFB	90.5	80-120		%REC	1	10/27/2014 12:04:25 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Toluene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 12:04:25 AM	16069
Surr: 4-Bromofluorobenzene	90.1	80-120		%REC	1	10/27/2014 12:04:25 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-19**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:20:00 AM**Lab ID:** 1410B12-019**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	270	10		mg/Kg	1	10/25/2014 6:29:16 AM	16063
Surr: DNOP	105	63.5-128		%REC	1	10/25/2014 6:29:16 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2300	240		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Surr: BFB	183	80-120	S	%REC	50	10/27/2014 12:32:58 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	1.9	1.2		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Toluene	37	2.4		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Ethylbenzene	8.2	2.4		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Xylenes, Total	120	4.7		mg/Kg	50	10/27/2014 12:32:58 AM	16069
Surr: 4-Bromofluorobenzene	104	80-120		%REC	50	10/27/2014 12:32:58 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-20**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:25:00 AM**Lab ID:** 1410B12-020**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	69	10		mg/Kg	1	10/25/2014 6:50:37 AM	16063
Surr: DNOP	104	63.5-128		%REC	1	10/25/2014 6:50:37 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	83	4.7		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Surr: BFB	503	80-120	S	%REC	1	10/27/2014 1:01:34 AM	16069
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Toluene	0.25	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Ethylbenzene	0.11	0.047		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Xylenes, Total	1.9	0.095		mg/Kg	1	10/27/2014 1:01:34 AM	16069
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	10/27/2014 1:01:34 AM	16069

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-21**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:35:00 AM**Lab ID:** 1410B12-021**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	280	9.9		mg/Kg	1	10/25/2014 7:11:56 AM	16063
Surr: DNOP	104	63.5-128		%REC	1	10/25/2014 7:11:56 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2200	240		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Surr: BFB	153	80-120	S	%REC	50	10/27/2014 1:30:02 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.7	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Toluene	33	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Ethylbenzene	5.6	2.4		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Xylenes, Total	120	4.9		mg/Kg	50	10/27/2014 1:30:02 AM	16070
Surr: 4-Bromofluorobenzene	105	80-120		%REC	50	10/27/2014 1:30:02 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1410B12**

Date Reported: **10/30/2014**

CLIENT: APEX AZTEC

Client Sample ID: SR-22

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:40:00 AM

Lab ID: 1410B12-022

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	20	10		mg/Kg	1	10/25/2014 7:33:09 AM	16063
Surr: DNOP	98.7	63.5-128		%REC	1	10/25/2014 7:33:09 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	230	24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Surr: BFB	193	80-120	S	%REC	5	10/27/2014 10:37:14 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Toluene	0.83	0.24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Ethylbenzene	0.41	0.24		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Xylenes, Total	11	0.49		mg/Kg	5	10/27/2014 10:37:14 AM	16070
Surr: 4-Bromofluorobenzene	104	80-120		%REC	5	10/27/2014 10:37:14 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 22 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**Date Reported: **10/30/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** APEX AZTEC**Client Sample ID:** SR-23**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 11:50:00 AM**Lab ID:** 1410B12-023**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	11	10		mg/Kg	1	10/25/2014 7:54:31 AM	16063
Surr: DNOP	97.6	63.5-128		%REC	1	10/25/2014 7:54:31 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Surr: BFB	107	80-120		%REC	1	10/27/2014 11:05:50 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Toluene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Ethylbenzene	ND	0.048		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 11:05:50 AM	16070
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	1	10/27/2014 11:05:50 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-24

Project: Blanco Vent Tank

Collection Date: 10/22/2014 11:55:00 AM

Lab ID: 1410B12-024

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/25/2014 8:15:46 AM	16063
Surr: DNOP	116	63.5-128		%REC	1	10/25/2014 8:15:46 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Surr: BFB	90.0	80-120		%REC	1	10/27/2014 11:34:28 AM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Toluene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Xylenes, Total	ND	0.094		mg/Kg	1	10/27/2014 11:34:28 AM	16070
Surr: 4-Bromofluorobenzene	92.3	80-120		%REC	1	10/27/2014 11:34:28 AM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 24 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical ReportLab Order **1410B12**Date Reported: **10/30/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** APEX AZTEC**Client Sample ID:** SR-25**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 12:05:00 PM**Lab ID:** 1410B12-025**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 8:37:06 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 8:37:06 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Surr: BFB	89.3	80-120		%REC	1	10/27/2014 12:03:11 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Toluene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Ethylbenzene	ND	0.047		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Xylenes, Total	ND	0.095		mg/Kg	1	10/27/2014 12:03:11 PM	16070
Surr: 4-Bromofluorobenzene	90.1	80-120		%REC	1	10/27/2014 12:03:11 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410B12**

Date Reported: 10/30/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** APEX AZTEC**Client Sample ID:** SR-26**Project:** Blanco Vent Tank**Collection Date:** 10/22/2014 12:15:00 PM**Lab ID:** 1410B12-026**Matrix:** SOIL**Received Date:** 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/25/2014 8:58:21 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 8:58:21 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Surr: BFB	89.1	80-120		%REC	1	10/27/2014 12:31:48 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Toluene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Ethylbenzene	ND	0.050		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Xylenes, Total	ND	0.099		mg/Kg	1	10/27/2014 12:31:48 PM	16070
Surr: 4-Bromofluorobenzene	89.8	80-120		%REC	1	10/27/2014 12:31:48 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-27

Project: Blanco Vent Tank

Collection Date: 10/22/2014 12:20:00 PM

Lab ID: 1410B12-027

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	300	9.9		mg/Kg	1	10/25/2014 9:19:45 AM	16063
Surr: DNOP	118	63.5-128		%REC	1	10/25/2014 9:19:45 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2200	240		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Surr: BFB	155	80-120	S	%REC	50	10/27/2014 1:00:23 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.8	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Toluene	35	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Ethylbenzene	9.8	2.4		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Xylenes, Total	160	4.7		mg/Kg	50	10/27/2014 1:00:23 PM	16070
Surr: 4-Bromofluorobenzene	104	80-120		%REC	50	10/27/2014 1:00:23 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1410B12

Date Reported: 10/30/2014

CLIENT: APEX AZTEC

Client Sample ID: SR-28

Project: Blanco Vent Tank

Collection Date: 10/22/2014 12:25:00 PM

Lab ID: 1410B12-028

Matrix: SOIL

Received Date: 10/23/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	52	10		mg/Kg	1	10/25/2014 9:41:01 AM	16063
Surr: DNOP	113	63.5-128		%REC	1	10/25/2014 9:41:01 AM	16063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	17	4.6		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Surr: BFB	110	80-120		%REC	1	10/27/2014 1:29:05 PM	16070
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Toluene	0.065	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Ethylbenzene	ND	0.046		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Xylenes, Total	0.89	0.091		mg/Kg	1	10/27/2014 1:29:05 PM	16070
Surr: 4-Bromofluorobenzene	94.8	80-120		%REC	1	10/27/2014 1:29:05 PM	16070

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 28 of 34
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16062	SampType	MBLK	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	PBS	Batch ID	16062	RunNo	22124					
Prep Date	10/23/2014	Analysis Date	10/24/2014	SeqNo	652213	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.6		10.00		86.3	63.5	128			

Sample ID	LCS-16062	SampType	LCS	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	LCSS	Batch ID	16062	RunNo	22124					
Prep Date	10/23/2014	Analysis Date	10/24/2014	SeqNo	652214	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	68.6	130			
Surr: DNOP	4.5		5.000		89.6	63.5	128			

Sample ID	MB-16063	SampType	MBLK	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	PBS	Batch ID	16063	RunNo	22124					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	652355	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.8		10.00		88.3	63.5	128			

Sample ID	LCS-16063	SampType	LCS	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	LCSS	Batch ID	16063	RunNo	22124					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	652356	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	68.6	130			
Surr: DNOP	4.3		5.000		85.4	63.5	128			

Sample ID	1410B12-011AMSD	SampType	MSD	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	SR-11	Batch ID	16063	RunNo	22124					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	652358	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.30	0	120	40.1	152	13.9	32.1	
Surr: DNOP	5.8		5.030		115	63.5	128	0	0	

Sample ID	MB-16093	SampType	MBLK	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	PBS	Batch ID	16093	RunNo	22152					
Prep Date	10/27/2014	Analysis Date	10/27/2014	SeqNo	652710	Units	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16093	SampType	MBLK	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	PBS	Batch ID	16093	RunNo	22152					
Prep Date	10/27/2014	Analysis Date	10/27/2014	SeqNo	652710	Units	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		85.7	63.5	128			

Sample ID	LCS-16093	SampType	LCS	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	LCSS	Batch ID	16093	RunNo	22152					
Prep Date	10/27/2014	Analysis Date	10/27/2014	SeqNo	652711	Units	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	63.5	128			

Sample ID	1410B12-011AMS	SampType	MS	TestCode	EPA Method 8015D: Diesel Range Organics					
Client ID	SR-11	Batch ID	16063	RunNo	22152					
Prep Date	10/23/2014	Analysis Date	10/27/2014	SeqNo	652712	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.35	0	104	40.1	152			
Surr: DNOP	6.2		5.035		123	63.5	128			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16069	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	651578	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.5	80	120			

Sample ID	LCS-16069	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/25/2014	SeqNo	651579	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	65.8	139			
Surr: BFB	1000		1000		105	80	120			

Sample ID	1410B12-002AMS	SampType	MS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	SR-2	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651581	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.70	0	119	71.8	132			
Surr: BFB	980		947.9		104	80	120			

Sample ID	1410B12-002AMSD	SampType	MSD	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	SR-2	Batch ID	16069	RunNo	22140					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651582	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.72	0	118	71.8	132	0.715	20	
Surr: BFB	1000		948.8		106	80	120	0	0	

Sample ID	MB-16070	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	16070	RunNo	22145					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651985	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.1	80	120			

Sample ID	LCS-16070	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	16070	RunNo	22145					
Prep Date	10/23/2014	Analysis Date	10/26/2014	SeqNo	651986	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.1	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	LCS-16070		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 16070		RunNo: 22145					
Prep Date:	10/23/2014		Analysis Date: 10/26/2014		SeqNo: 651986		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	65.8	139			
Surr: BFB	970		1000		96.6	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16069	SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	16069		RunNo:	22140				
Prep Date:	10/23/2014	Analysis Date:	10/25/2014		SeqNo:	651605		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	LCS-16069		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 16069		RunNo: 22140					
Prep Date:	10/23/2014		Analysis Date: 10/25/2014		SeqNo: 651606		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	92.2	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	1410B12-001AMS		SampType: MS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SR-1		Batch ID: 16069		RunNo: 22140					
Prep Date:	10/23/2014		Analysis Date: 10/25/2014		SeqNo: 651608		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.046	0.9242	0	92.8	77.4	142			
Toluene	0.87	0.046	0.9242	0	93.9	77	132			
Ethylbenzene	0.92	0.046	0.9242	0	100	77.6	134			
Xylenes, Total	2.7	0.092	2.773	0	99.1	77.4	132			
Surr: 4-Bromofluorobenzene	0.95		0.9242		103	80	120			

Sample ID	1410B12-001AMSD		SampType: MSD		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SR-1		Batch ID: 16069		RunNo: 22140					
Prep Date:	10/23/2014		Analysis Date: 10/25/2014		SeqNo: 651609		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.046	0.9251	0	97.1	77.4	142	4.58	20	
Toluene	0.91	0.046	0.9251	0	98.2	77	132	4.62	20	
Ethylbenzene	0.96	0.046	0.9251	0	103	77.6	134	3.31	20	
Xylenes, Total	2.8	0.093	2.775	0	102	77.4	132	3.12	20	
Surr: 4-Bromofluorobenzene	0.98		0.9251		106	80	120	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B12

30-Oct-14

Client: APEX AZTEC
Project: Blanco Vent Tank

Sample ID	MB-16070	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	16070	RunNo:	22145					
Prep Date:	10/23/2014	Analysis Date:	10/26/2014	SeqNo:	652011	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	80	120			

Sample ID	LCS-16070	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	16070	RunNo:	22145					
Prep Date:	10/23/2014	Analysis Date:	10/26/2014	SeqNo:	652012	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.4	80	120			
Toluene	0.97	0.050	1.000	0	97.2	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.9	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: APEX AZTEC

Work Order Number: 1410B12

RcptNo: 1

Received by/date:	AT	10/23/14	
Logged By:	Anne Thorne	10/23/2014 7:30:00 AM	Anne Thorne
Completed By:	Anne Thorne	10/23/2014	Anne Thorne
Reviewed By:	CS	10/23/14	

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		


17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Yes			

 APEX Office Location <u>Aztec, NM</u>						Laboratory: <u>Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ Project Manager <u>Kyle Summers</u> PO/SO #: <u>Direct bill to Enterprise</u>								ANALYSIS REQUESTED												Lab use only Due Date: <u>20</u>	
						Temp. of coolers when received (C°):																					
Sampler's Name						Sampler's Signature																		Page <u>1</u> of <u>3</u>			
<u>Kyle Summers</u>																											
Proj. No.			Project Name				No/Type of Containers																				
<u>7030411G01B</u>			<u>Blanco Vent Tank</u>				<u>4-02</u>																				
Matrix	Date	Time	Coed	Gra b	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 L	250 ml	Glass Jar	P/O											Lab Sample ID (Lab Use Only)				
S	10/22/14	0930			SR-1						1														X	X	1410 BIZ - C01
S	10/22/14	0935			SR-2						1		X	X	-C02												
S	10/22/14	0940			SR-3						1		X	X			-C03										
S	10/22/14	0945			SR-4						1		X	X	-C04												
S	10/22/14	0955			SR-5						1		X	X			-C05										
S	10/22/14	1000			SR-6						1		X	X	-C06												
S	10/22/14	1005			SR-7						1		X	X			-C07										
S	10/22/14	1015			SR-8						1		X	X	-C08												
S	10/22/14	1020			SR-9						1		X	X			-C09										
S	10/22/14	1025			SR-10						1		X	X	-C10												
Turn around time <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush																											
Relinquished by (Signature)			Date:		Time:		Received by (Signature)			Date:		Time:		NOTES: Direct Bill to Enterprise Field Services Attn: Tom Long													
<u>[Signature]</u>			<u>10/22/14</u>		<u>1642</u>		<u>Heather M. Woods</u>			<u>10/22/14</u>		<u>1642</u>															
Relinquished by (Signature)			Date:		Time:		Received by (Signature)			Date:		Time:															
<u>Heather M. Woods</u>			<u>10/22/14</u>		<u>1825</u>		<u>Misty Wicks</u>			<u>10/22/14</u>		<u>1825</u>															
Relinquished by (Signature)			Date:		Time:		Received by (Signature)			Date:		Time:															
<u>Tom Walters</u>			<u>10/22/14</u>		<u>1925</u>		<u>[Signature]</u>			<u>10/23/14</u>		<u>0730</u>															
Relinquished by (Signature)			Date:		Time:		Received by (Signature)			Date:		Time:															

CHAIN OF CUSTODY RECORD

 APEX Office Location <u>Aztec, NM</u>		Laboratory: <u>Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ PO/SO #: <u>Direct Bill to Enterprise</u>		ANALYSIS REQUESTED <div style="transform: rotate(-45deg); display: inline-block;"> 8021 BTEX 8015 TPH (GRO/DEO) </div>										Lab use only Due Date: <u>2.0</u> Temp. of coolers when received (C°): <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> </table>					1	2	3	4	5			
		1	2											3	4	5										
Project Manager <u>Kyle Summers</u> Project Manager Signature: _____		Sampler's Name: <u>Kyle Summers</u> Sampler's Signature: _____		Page <u>2</u> of <u>3</u>																						
Proj. No. <u>70304116018</u> Project Name <u>Blanco Vent Tank</u> No/Type of Containers <u>4-02</u>																										
Matrix	Date	Time	C	G	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	AG 1L	250 ml	Glass Jar	P/O	Lab Sample ID (Lab Use Only) <u>At 10/23/14</u> 1410B12-012-11 -013-002 -044-003 -015-004 -016-005 -017-006 -018-007 -019-008 -020-009 -021-010													
S	10/22/14	1030			SR-11						1														X	X
S	10/22/14	1040			SR-12						1														X	X
S	10/22/14	1045			SR-13						1														X	X
S	10/22/14	1050			SR-14						1														X	X
S	10/22/14	1055			SR-15						1														X	X
S	10/22/14	1100			SR-16						1														X	X
S	10/22/14	1105			SR-17						1														X	X
S	10/22/14	1115			SR-18						1														X	X
S	10/22/14	1120			SR-19						1														X	X
S	10/22/14	1125			SR-20						1		X	X												
Turn around time <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush																										
Relinquished by (Signature) <u>[Signature]</u>		Date: <u>10/22/14</u> Time: <u>1642</u>		Received by (Signature) <u>Heather M. Woods</u>		Date: <u>10/22/14</u> Time: <u>1642</u>		NOTES: Direct Bill to Enterprise Field Services. Attn: Tom Long																		
Relinquished by (Signature) <u>Heather M. Woods</u>		Date: <u>10/22/14</u> Time: <u>1825</u>		Received by (Signature) <u>Matthew W. [Signature]</u>		Date: <u>10/22/14</u> Time: <u>1825</u>																				
Relinquished by (Signature) <u>Matt Valt</u>		Date: <u>10/22/14</u> Time: <u>1925</u>		Received by (Signature) <u>[Signature]</u>		Date: <u>10/23/14</u> Time: <u>0730</u>																				
Relinquished by (Signature) _____		Date: _____ Time: _____		Received by (Signature) _____		Date: _____ Time: _____																				

Matrix Container WW - Wastewater W - Water S - Soil SD - Solid L - Liquid A - Air Bag C - Charcoal tube SL - sludge O - Oil
 VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

 APEX Office Location <u>Aztec, NM</u>						Laboratory: <u>Hall Environmental</u> Address: <u>Albuquerque, NM</u> Contact: <u>Andy Freeman</u> Phone: _____ PO/SO #: <u>Direct Bill to Enterprise</u>								ANALYSIS REQUESTED		<div style="border: 1px solid black; padding: 5px;"> Lab use only Due Date: <u>2-6-14</u> Temp. of coolers when received (C°): <table border="1" style="width: 100%;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> Page <u>3</u> of <u>3</u> </div>					1	2	3	4	5
						1	2	3	4	5															
Project Manager <u>Kyle Summers</u>						Sampler's Name _____																			
Sampler's Signature <u>Kyle Summers</u>														<div style="position: relative; height: 100px;"> AT 10/23/14 </div>											
Proj. No. <u>70304116018</u>		Project Name <u>Bianco Vent Tank</u>				No./Type of Containers <u>4-02</u>																			
Matrix	Date	Time	Cod	Gra b	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	AG 1L	250 ml	Glass Jar	P/O													
S	10/22/14	1135			SR-21						1	X	Y												
S	10/22/14	1140			SR-22						1	X	Y												
S	10/22/14	1150			SR-23						1	X	Y												
S	10/22/14	1155			SR-24						1	X	Y												
S	10/22/14	1205			SR-25						1	X	Y												
S	10/22/14	1215			SR-26						1	X	Y												
S	10/22/14	1220			SR-27						1	X	Y												
S	10/22/14	1225			SR-28						1	Y	Z												
Turn around time <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush														NOTES: Direct bill to Enterprise Field Services Attn: Tom Long											
Relinquished by (Signature) <u>[Signature]</u>				Date: <u>10/22/14</u>		Time: <u>1642</u>		Received by (Signature) <u>Heath M. Woods</u>				Date: <u>10/22/14</u>												Time: <u>1642</u>	
Relinquished by (Signature) <u>Heath M. Woods</u>				Date: <u>10/22/14</u>		Time: <u>1825</u>		Received by (Signature) <u>Martin Walter</u>				Date: <u>10/22/14</u>												Time: <u>1825</u>	
Relinquished by (Signature) <u>MFW</u>				Date: <u>10/23/14</u>		Time: <u>1925</u>		Received by (Signature) <u>[Signature]</u>				Date: <u>10/23/14</u>												Time: <u>0730</u>	
Relinquished by (Signature) _____				Date: _____		Time: _____		Received by (Signature) _____				Date: _____		Time: _____											

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