GW - 071-1

GWMR

12/09/2014

ENTERPRISE PRODUCTS PARTNERS L.P. **ENTERPRISE PRODUCTS HOLDINGS LLC** (General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

Return Receipt Requested 7012 1010 0003 3760 7857

Ms. Freida White, Program Manager Navajo Nation EPA Superfund Program P.O. Box 2946 Window Rock, AZ 86511

RE: Bisti Receiver Tanks - Interim Corrective Action Report

> Enterprise Field Services, LLC Chaco Gas Plant (OCD GW-071)

San Juan County, NM

Section 21, Township 26 North, Range 12 West

Attn: Michele Dinevazhe

Dear Ms. White,

The attached report entitled: Interim Corrective Action Report, dated December 2, 2014, provides a summary of interim remedial actions performed at the release site referenced above. This site is located immediately south of the Enterprise Field Services, LLC (Enterprise) Chaco Gas Plant on leased Navajo Land. On June 23, 2007. condensate storage tanks (formerly located at the site) overflowed. Initial response actions performed by Enterprise included the removal of approximately 600 cubic yards of contaminated soil prior to proper offsite disposal. Initial investigations of the release site indicated that additional affected soils were present, and that groundwater was impacted.

The attached report summarizes the removal of approximately 900 additional cubic yards of impacted soils at the release site during August 2014. In addition, the excavation remaining at the site from the original release response actions was properly backfilled with clean soils. Note that these actions only removed affected soils underlying the immediate release area, and additional site investigations are required to establish the full extent of affected soil and groundwater at the site. These additional investigations were proposed in the Supplemental Site Investigation Work Plan, dated September 26, 2011, as submitted to the Navajo Nation EPA Superfund Program (NNSP) in correspondence dated October 11, 2011. This work plan is pending approval by the NNSP

Enterprise is currently preparing a revised site investigation work plan for review by the NNSP. The updated work plan will provide recommendations to complete delineation of affected soil and groundwater at the site, and recommendations for replacement of the existing monitor wells at the site.

If you have any questions or concerns, please do not hesitate to call me at (713) 381-2286, or drsmith@eprod.com.

Sincerely.

David R. Smith, P.G. Sr. Environmental Scientist

Gregory E. Miller, P.G. Supervisor, Remediation

/dep

Attachment

Michele Dineyazhe, NNEPA Superfund, Window Rock, AZ CC. Steve Austin, NNEPA WQ/NPDES Program, Shiprock, NM

Brandon Powell, NMOCD, Aztec, NM

Jim Griswold, NMOCD, Santa Fe, NM (ftp submittal) ec:

Glenn von Gonten, NMOCD



INTERIM CORRECTIVE ACTION REPORT

Property:

Former Bisti Receiver Tanks NW 1/4, S21 T26N R12W San Juan County, New Mexico

December 2, 2014 Apex Project No. 7030410G001C

Prepared for:

P.O. Box 4324
Houston, TX 77210-4324
Attn: Mr. David Smith

Prepared by:

Kyle Summers, CPG

Branch Manager/Senior Geologist

Elizabeth Scaggs, P.G. Senior Program Manager

TABLE OF CONTENTS

1.0	INTRO 1.1 1.2	DDUCTIONSite Description & BackgroundProject Objective	1
2.0	SITE R	RANKING	
	2.1	NNEPA-Approved Screening Levels	2
3.0		ONSE ACTIONS	
	3.1 3.2	Soil Excavation Activities Soil Sampling Program	_
	3.3	Laboratory Analytical Methods	
4.0	DATA	EVALUATION	1
4.0	4.1	Excavation Soil Samples	
5.0	FINDIN	NGS AND RECOMMENDATIONS	5
6.0	STANI	DARD OF CARE, LIMITATIONS, AND RELIANCE	6
LIST	ΓOF AP	PPENDICES	
Арр	endix A	A: Figure 1 – Topographic Map Figure 2 – Site Vicinity Map Figure 3 – Site Map with Soil Analytical Results	
Арр	endix B	3: C-138 Solid Waste Acceptance Form	
Арр	endix C	Photographic Documentation	
Арр	endix D	D: Table	
Арр	endix E	E: Laboratory Data Sheets & Chain of Custody Documentation	



INTERIM CORRECTIVE ACTION REPORT

Former Bisti Receiver Tanks NW 1/4, S21 T26N R12W San Juan County, New Mexico

Apex Project No. 7030410G001C

1.0 INTRODUCTION

1.1 Site Description & Background

The former Bisti Receiver Tanks Site is located within the Enterprise Field Services, LLC (Enterprise) pipeline right-of-way (ROW) in the northwest (NW) ¼ of Section 21 in Township 26 North and Range 12 West in San Juan County, New Mexico (36.480222N 108.120325W), referred to hereinafter as the "Site" or "subject Site". The Site is located directly south of the Enterprise Chaco Gas Plant on land owned by the Navajo Nation. The property surrounding the Site is primarily natural gas gathering and refining facilities with agricultural land (operated by the Navajo Agricultural Products Industry (NAPI)) to the south.

The Site originally consisted of four (4) natural gas condensate¹ "drip" tanks that formerly received fluids from the Bisti Recovery System. On July 23, 2007, an overflow of one of the condensate tanks resulted in an estimated 60 barrel (bbl) release to the ground surface. Envirotech, Inc. (Envirotech) excavated approximately 612 cubic yards of affected soil from the western portion of the bermed area between July and August 2007. This material was transported to the Envirotech landfarm near Hilltop, NM for treatment/disposal. The excavation activities are documented in the Enterprise Products Excavation Monitoring Report, dated October 11, 2007 (Envirotech). A Geoprobe® investigation was subsequently performed at the site during June 2008 by Lodestar Services, Inc. (Lodestar). Results from the investigation and two subsequent quarterly groundwater sampling events were documented in the letter report Enterprise Field Services, LLC – Geoprobe Investigation at Bisti, dated November 5, 2008 (Lodestar). The investigation results indicated remaining impact to soil and groundwater in the vicinity of the tanks, as well as potential staining and/or impact at further distances from the tanks. The Bisti Receiving Tanks are no longer in service, and have been physically removed from the location.

Enterprise previously submitted a *Supplemental Site Investigation Work Plan*, dated September 26, 2011 (Southwest Geoscience) to the Navajo Nation Environmental Protection Agency (NNEPA) to perform additional delineation activities at the Site. This work plan has not yet been approved. The work plan will be updated to reflect information obtained during the interim corrective action activities described herein.

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 Natural gas condensate is a low-density mixture of hydrocarbon liquids present as gaseous components in the raw natural gas produced from many natural gas fields, which condenses out of the gas stream during production when the temperature is reduced to below the hydrocarbon dew point temperature.



1.2 Project Objective

The objectives of the interim corrective actions were to: evaluate the concentration of constituents of concern (COCs) in the on-Site soils beneath the former tank locations while removing a portion of the most heavily affected soils; backfill and level the area to surrounding grade to address safety concerns associated with the original excavation that had remained open since 2007; and, reduce the likelihood of storm water accumulating in the original excavation.

2.0 SITE RANKING

The Site is under the regulatory jurisdiction of the NNEPA Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) group which refers to a combination of published guidance from the United States Environmental Protection Agency (EPA), New Mexico Energy, Minerals, and Natural Resources Department (EMNRD) Oil Conservation Division (OCD), and New Mexico Water Quality Control Commission (WQCC) for environmental remediation standards.

Apex TITAN, Inc. (Apex) utilized the New Mexico ENMRD OCD's *Guidelines for Remediation of Leaks, Spills and Releases* in conjunction with the general site characteristics to determine the appropriate OCD "ranking" for the Site. The ranking criteria and associated scoring are provided in the following table:

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

Based on Apex's evaluation of the scoring criteria, the Site would have a maximum Total Ranking Score of "20". This ranking is based on the following:

- No water wells were identified on the New Mexico Office of the State Engineer website
 database within the search radius. However, gauging events of the temporary monitoring
 wells at the Site indicated groundwater is present at less than 20 feet below grade
 surface (bgs), resulting in a ranking of "20" for depth to groundwater.
- No water sources were identified within 1,000 feet of the Site.
- No surface water was identified within 1,000 feet of the Site.

2.1 NNEPA-Approved Screening Levels

For this Site, the NNEPA has indicated that it concurs with the soil remediation levels derived from the OCD's *Guidelines for Remediation of Leaks, Spills and Releases*, with the exception of benzene, which is deferred to the EPA Region 9 Regional Screening Level of 5.4 milligrams per kilogram (mg/Kg).



 Based on this information, the screening levels for soil located at the Site include: 5.4 mg/Kg for benzene, 50 mg/Kg for BTEX (benzene, toluene, ethylbenzene, and total xylenes) and 100 mg/Kg for total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO).

3.0 RESPONSE ACTIONS

3.1 Soil Excavation Activities

Prior to initiation of the exploratory excavation activities, the Site generally consisted of two (2) areas within the former tank battery footprint; the eastern portion of the former tank battery which had not been investigated or excavated; and the western portion of the former tank battery which had previously been excavated to approximately five (5) feet bgs during 2007 and included one (1) temporary monitoring well (P-1) dating from the original Site investigation in 2008.

On August 5, 2014, prior to initiating exploratory excavation activities, temporary monitoring well P-1, located within the original 2007 excavation, was removed and the borehole plugged and abandoned (P&A'd) with bentonite.

Subsequent to the P&A of temporary monitoring well P-1, Enterprise initiated exploratory excavation activities within the footprint of the former Bisti Receiver Tanks Site. NNEPA CERCLA representative Michele Dineyazhe visited the Site during the exploratory excavation and witnessed a portion of the field activities. During the course of the exploratory activities, the following excavation tasks were completed:

- Affected soils in the eastern portion of the former tank battery footprint were excavated to approximately five (5) feet bgs, bringing it essentially level with the 2007 excavation depth of the western portion of the tank battery footprint. One (1) soil sample (C-7) was collected at a depth of 4-5 feet bgs from soil beneath the former load line area on the east side of the former eastern tank locations. Additional lateral and vertical assessment will be performed during Site investigation activities.
- An exploratory excavation was advanced in the western portion of the former tank battery footprint. The resulting excavation measured approximately 20 feet long by 15 feet wide, with a depth of approximately 20 feet bgs. Groundwater was encountered at approximately 18 feet bgs. Six (6) soil samples (C-1 through C-6) were collected from the excavation sidewalls for laboratory analysis.
- An exploratory excavation was advanced in the eastern portion of the former tank battery
 footprint subsequent to the overall removal of soils to five (5) feet bgs. The resulting
 excavation measured approximately 18 feet long by 10 feet wide, with an approximate
 depth of 20 feet bgs. Groundwater was encountered at approximately 18 feet bgs.
 Seven (7) soil samples (C-8 through C-14) were collected for laboratory analysis from the
 excavation sidewalls.

The lithology encountered during the completion of corrective action activities consisted primarily of unconsolidated silty sands and clayey silty sands.

An attempt was made to remove potentially affected water from the open excavation utilizing a vacuum truck. The activity was abandoned when it became evident that the truck did not provide enough lift to pull water from the bottom of the excavation.



Approximately 920 cubic yards of hydrocarbon affected soils from the exploratory excavation activities were transported to the Envirotech land farm near Hilltop, NM for treatment/disposal. The executed C-138 solid waste acceptance form is provided in Appendix B. The excavations

were backfilled with clean imported fill, and contoured to surrounding grade pending future corrective action.

Exploratory excavation activities at the Site were completed on August 8, 2014. Figure 3 is a site map that indicates the approximate location of the excavated area and sample locations in relation to pertinent land features (Appendix A). Photographic documentation of the field activities is provided in Appendix C.

3.2 Soil Sampling Program

Apex screened head-space samples of Site soils with a photoionization detector (PID) fitted with a 10.6 electron volt (eV) lamp. Soil samples were collected from the zones exhibiting the highest PID reading.

Apex's soil sampling program included the collection of fourteen (14) excavation samples (C-1 through C-14) from the resulting exploratory excavations for laboratory analysis. Figure 3 depicts the approximate location of the excavated areas and shows the soil sample locations in relation to the final excavation dimensions (Appendix A).

The samples were collected and placed in laboratory prepared glassware, labeled/sealed using the laboratory supplied labels, and placed on ice in a cooler, which was secured with a custody seal. The samples and completed chain-of-custody forms were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis.

3.3 Laboratory Analytical Methods

The excavation soil samples were analyzed for BTEX using EPA SW-846 Method #8021, and TPH GRO/DRO using EPA SW-846 Method #8015.

Laboratory results are summarized in Table 1, included in Appendix D. The executed chain-of-custody form and laboratory data sheets are provided in Appendix E.

4.0 DATA EVALUATION

The Site is subject to regulatory oversight by the NNEPA and the New Mexico EMNRD OCD. For this Site, the NNEPA has indicated that it concurs with the soil remediation levels derived from the OCD's *Guidelines for Remediation of Leaks, Spills and Releases*, with the exception of benzene, which is deferred to the EPA Region 9 Regional Screening Level of 5.4 mg/Kg.

Based on this information, the screening levels for soil located at the Site include: 5.4 mg/Kg for benzene, 50 mg/Kg for BTEX and 100 mg/Kg for TPH GRO/DRO.

4.1 Excavation Soil Samples

Apex compared the BTEX and TPH concentrations or reporting limits (RLs) associated with the excavation samples to the NNEPA-approved screening levels.



- The laboratory analyses of excavation samples C-1 through C-8 and C-10 through C-13 indicate benzene concentrations ranging from <0.048 mg/Kg to 5.2 mg/Kg, which are below the NNEPA-approved soil screening level of 5.4 mg/Kg.
- The laboratory analyses of excavation samples C-9 and C-14 indicate benzene concentrations of 27 mg/Kg and 6.2 mg/Kg, respectively, which exceed the NNEPAapproved soil screening level of 5.4 mg/Kg.
- The laboratory analyses of excavation samples C-1 through C-4, C-5 through C-8, and C-10 through C-13 indicate total BTEX concentrations ranging from below laboratory reporting limits to 43.3 mg/Kg, which are below the NNEPA-approved soil screening level of 50 mg/Kg.
- The laboratory analyses of excavation samples C-5, C-9, and C-14 indicate total BTEX concentrations ranging from 72.9 mg/Kg to 205 mg/Kg, which exceed the NNEPA-approved soil screening level of 50 mg/Kg.
- The laboratory analyses of excavation samples C-3, C-4, and C-6 indicate combined TPH GRO/DRO concentrations below the laboratory reporting detection limits, which are below the NNEPA-approved screening level of 100 mg/Kg.
- The laboratory analyses of excavation samples C-1, C-2, C-5, and C-7 through C-14 indicate combined TPH GRO/DRO concentrations ranging from 146 mg/Kg to 11,300 mg/Kg which exceed the NNEPA-approved screening level of 100 mg/Kg.

Excavation sample results are presented in Table 1 (Appendix D).

5.0 FINDINGS AND RECOMMENDATIONS

The former Bisti Receiver Tanks Site is located within the Enterprise pipeline ROW in the NW ¼ of Section 21 in Township 26 North and Range 12 West in San Juan County, New Mexico. The Site is located directly south of the Enterprise Chaco Gas Plant on land owned by the Navajo Nation. The property surrounding the Site is primarily natural gas gathering and refining facilities with agricultural land (operated by NAPI) to the south.

On August 5, 2014, prior to initiating exploratory excavation activities, temporary monitoring well P-1, located within the original 2007 excavation, was removed and the borehole P&A'd with bentonite. Subsequent to the P&A of temporary monitoring well P-1, Enterprise initiated exploratory excavation activities within the footprint of the former Bisti Receiver Tanks Site. The exploratory activities resulted in the excavation of the eastern area of the former tank battery to a depth of approximately 5 feet bgs, making it level with the western area that was excavated to 5 feet bgs during 2007 excavation activities. Additionally, two (2) exploratory excavations were advanced at the Site to total depths of 20 feet bgs each.

- The objectives of the interim corrective actions were to: evaluate the concentration of constituents of concern (COCs) in the on-Site soils beneath the former tank locations while removing a portion of the most heavily affected soils; backfill and level the area to surrounding grade to address safety concerns associated with the original excavation that had remained open since 2007; and, reduce the likelihood of storm water accumulating in the original excavation.
- The lithology encountered during the completion of corrective action activities consisted primarily of unconsolidated silty sands and clayey silty sands.



- Groundwater was encountered during exploratory excavation activities at approximately 18 feet bgs.
- Prior to backfilling, fourteen (14) excavation samples (C-1 through C-14) were collected from the resulting exploratory excavations for laboratory analysis.
- Approximately 920 cubic yards of hydrocarbon affected soils from the exploratory excavation activities were transported to the Envirotech land farm near Hilltop, NM for treatment/disposal. The excavations were backfilled with clean imported fill, and contoured to surrounding grade pending future corrective action.

Based on laboratory analytical results, affected soils are still present beneath the former Bisti Receiver Tank battery location. Laboratory data indicates that COC concentrations in soil generally decrease to the west and southwest within the former tank battery footprint.

Apex recommends performing additional soil and groundwater delineation at the Site to further define the extent of hydrocarbon impact. To facilitate this recommendation, the previously submitted work plan (Supplemental Site Investigation Work Plan, dated September 26, 2011 (SWG)) will be updated by Apex to incorporate information contained in this report.

6.0 STANDARD OF CARE, LIMITATIONS, AND 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.

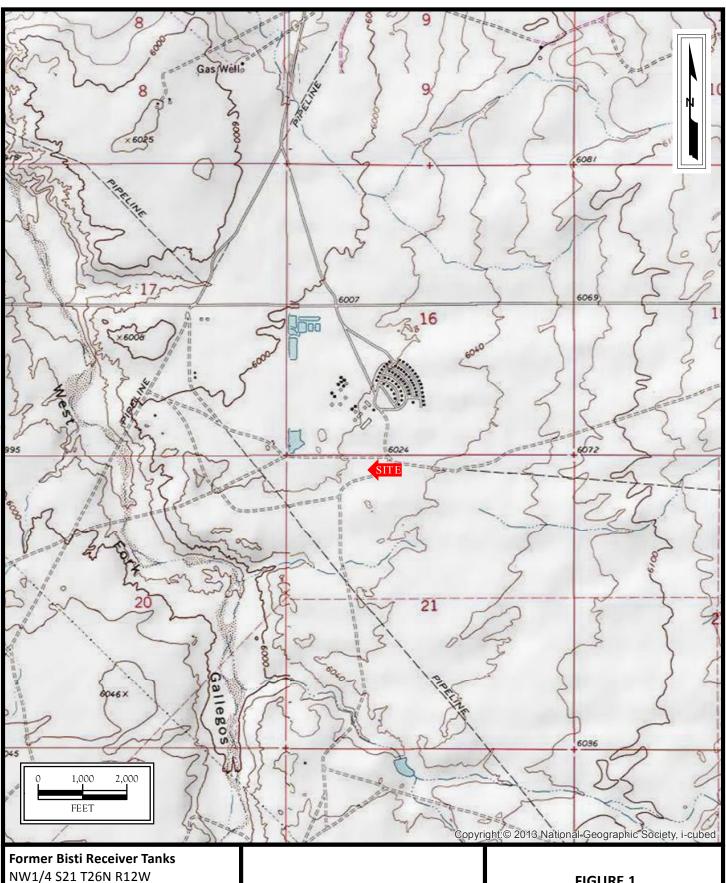
Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence 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, 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.



APPENDIX A

Figures



NW1/4 S21 T26N R12W Rural San Juan County, New Mexico Navajo Nation 36.480222N, 108.120325W

Project No. 7030410G001C.001



Apex TITAN, Inc. 606 South Rio Grande, Suite A Aztec, NM 87410 Phone: (505) 334-5200 A Subsidiary of Apex Companies, LLC

FIGURE 1 **Topographic Map Carson Trading post** NM Quadrangle 1966



Former Bisti Receiver Tanks NW1/4 S21 T26N R12W Rural San Juan County, New Mexico Navajo Nation 36.480222N, 108.120325W

Project No. 7030410G001C.001

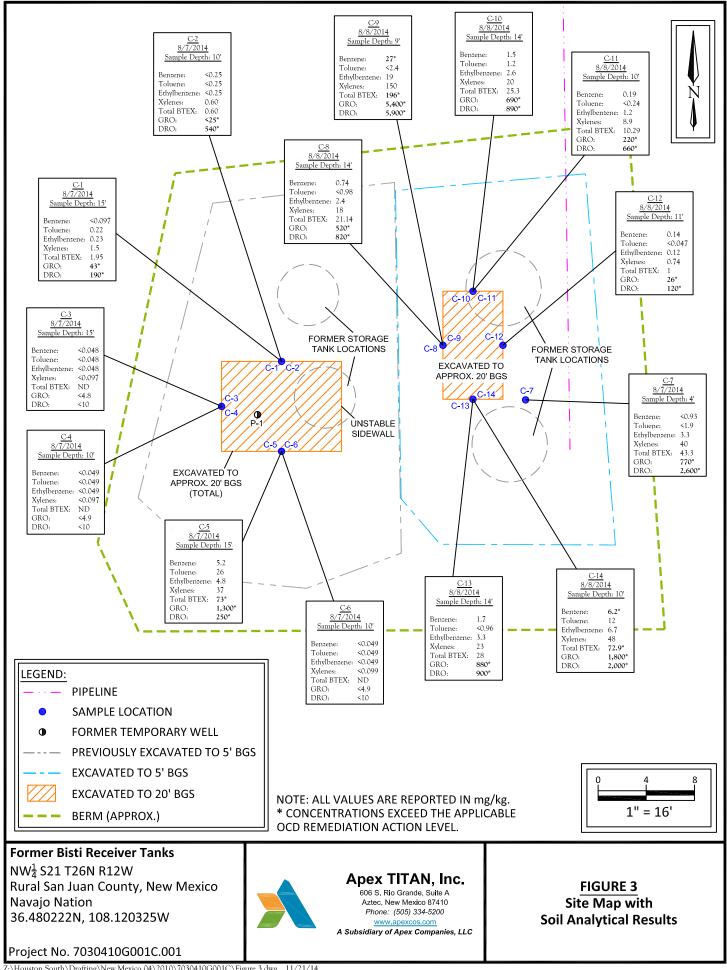


Apex TITAN, Inc.

606 South Rio Grande, Suite A Aztec, NM 87410 Phone: (505) 334-5200 www.apexcos.com

www.apexcos.com
A Subsidiary of Apex Companies, LLC

FIGURE 2
Site Vicinity Map





APPENDIX B

C-138 Solid Waste Acceptance Form

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, 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 97057-0650 Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-138 Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401
2. Originating Site: Chaco Bisti Receiver Tank Aug. 2014
3. Location of Material (Street Address, City, State or ULSTR): Unit Letter C Section 21 T 26N R 12W, GPS 36.480229, -108.120313, San Juan County, NM
4. Source and Description of Waste: Source: Condensate Release Description: Exempt petroleum affected soil from clean-up efforts at storage tank release. Estimated Volume 1000 vd³ bbls Known Volume (to be entered by the operator at the end of the haul) yd³ bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I, , representative or authorized agent for <u>Enterprise Field Services, LLC</u> do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. **Operator Use Only: Waste Acceptance Frequency Monthly Weekly Per Load**
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
I, 8-1-14, representative for Enterprise Field Services, LLC authorize Envirotech, Inc. to complete Generator Signature the required testing/sign the Generator Waste Testing Certification.
I, Runum representative for Envirotect, Inc. do hereby certify that Representative/Agent Signature
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: West States Energy Contractors. Sovegzea, EMS JP + Fucking
OCD Permitted Surface Waste Management Facility Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility * Permit #: NM 01-0011 Address of Facility: Hilltop, NM
Method of Treatment and/or Disposal: ☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other
Waste Acceptance Status: APPROVED DENIED (Must Be Maintained As Permanent Record)
PRINT NAME: Kendra Runung SIGNATURE: Surface Waste Management Facility Authorized Agent TITLE: Waste Coordinator TELEPHONE NO.: 505-632-0615



APPENDIX C

Photographic Documentation



Photograph 1

Early stages of western excavation, facing west.



Photograph 2

View of western excavation prior to encountering groundwater, facing northeast.



Photograph 3

Attempting to withdraw water from the western excavation.





Photograph 4

View of eastern excavation, facing north. Groundwater is visible at the base of the excavation.



Photograph 5

View of backfilling activities, facing west.





APPENDIX D

Table



TABLE 1 Former Bisti Reciever Tanks SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	TPH	TPH
		(feet) below grade	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO
								(mg/kg)	(mg/kg)
Navajo Nation Environmental Protection Agency Approved Screening Levels		5.4	NE	NE	NE	50	10	00	
			Explorat	tory Excavation Sar	nples - Western Ex	cavation			
C-1	8/7/2014	15	<0.097	0.22	0.23	1.50	1.95	43	190
C-2	8/7/2014	10	<0.25	<0.25	<0.25	0.60	0.60	<25	540
C-3	8/7/2014	15	<0.048	<0.048	<0.048	< 0.097	ND	<4.8	<10
C-4	8/7/2014	10	<0.049	<0.049	<0.049	<0.097	ND	<4.9	<10
C-5	8/7/2014	15	5.2	26	4.8	37	73	1,300	250
C-6	8/7/2014	10	<0.049	<0.049	<0.049	<0.099	ND	<4.9	<10
			Explo	oratory Excavation	Sample - Load Line	Area			
C-7	8/7/2014	4	<0.93	<1.9	3.3	40	43.3	770	2,600
			Explora	tory Excavation Sa	mples - Eastern Exc	cavation			
C-8	8/8/2014	14	0.74	<0.98	2.4	18	21.14	520	820
C-9	8/8/2014	9	27	<2.4	19	150	196	5,400	5,900
C-10	8/8/2014	14	1.5	1.2	2.6	20	25.3	690	890
C-11	8/8/2014	10	0.19	<0.24	1.2	8.9	10.29	220	660
C-12	8/8/2014	11	0.14	<0.047	0.12	0.74	1	26	120
C-13	8/8/2014	14	1.7	<0.96	3.3	23	28	880	900
C-14	8/8/2014	10	6.2	12	6.7	48	72.9	1,800	2,000

Note: Concentrations in **bold** and yellow exceed the NNEPA approved sreening level

NA = Not Analyzed

ND = Not Detected above laboratory reporting limits



APPENDIX E

Laboratory Analytical Reports & 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

August 19, 2014

Kyle Summers

Apex Titan, Inc.

606 S. Rio Grande Unit A

Aztec, NM 87410

TEL: (903) 821-5603 FAX (214) 350-2914

RE: Bisti Reciever OrderNo.: 1408418

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 14 sample(s) on 8/9/2014 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-1

Project: Bisti Reciever **Collection Date:** 8/7/2014 10:00:00 AM Matrix: SOIL Received Date: 8/9/2014 9:00:00 AM Lab ID: 1408418-001

Analyses	Result	RL (Qual U	U nits	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	190	9.9		mg/Kg	1	8/14/2014 4:44:42 PM	14713
Surr: DNOP	118	57.9-140		%REC	1	8/14/2014 4:44:42 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	43	9.7		mg/Kg	2	8/13/2014 12:55:18 PM	14696
Surr: BFB	141	80-120	S	%REC	2	8/13/2014 12:55:18 PM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.097		mg/Kg	2	8/13/2014 12:55:18 PM	14696
Toluene	0.22	0.097		mg/Kg	2	8/13/2014 12:55:18 PM	14696
Ethylbenzene	0.23	0.097		mg/Kg	2	8/13/2014 12:55:18 PM	14696
Xylenes, Total	1.5	0.19		mg/Kg	2	8/13/2014 12:55:18 PM	14696
Surr: 4-Bromofluorobenzene	113	80-120		%REC	2	8/13/2014 12:55:18 PM	14696

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

Qualifiers:

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

Page 1 of 18

- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-2

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:05:00 AM

 Lab ID:
 1408418-002
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	: BCN
Diesel Range Organics (DRO)	540	9.9	mg/Kg	1	8/14/2014 5:06:04 PM	14713
Surr: DNOP	112	57.9-140	%REC	1	8/14/2014 5:06:04 PM	14713
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	8/13/2014 1:25:28 PM	14696
Surr: BFB	101	80-120	%REC	5	8/13/2014 1:25:28 PM	14696
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.25	mg/Kg	5	8/13/2014 1:25:28 PM	14696
Toluene	ND	0.25	mg/Kg	5	8/13/2014 1:25:28 PM	14696
Ethylbenzene	ND	0.25	mg/Kg	5	8/13/2014 1:25:28 PM	14696
Xylenes, Total	0.60	0.50	mg/Kg	5	8/13/2014 1:25:28 PM	14696
Surr: 4-Bromofluorobenzene	105	80-120	%REC	5	8/13/2014 1:25:28 PM	14696

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

Page 2 of 18

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-3

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:10:00 AM

 Lab ID:
 1408418-003
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analysi	: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/14/2014 5:27:31 PM	14713
Surr: DNOP	121	57.9-140	%REC	1	8/14/2014 5:27:31 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/12/2014 3:45:49 PM	14696
Surr: BFB	88.2	80-120	%REC	1	8/12/2014 3:45:49 PM	14696
EPA METHOD 8021B: VOLATILES					Analyst	:: NSB
Benzene	ND	0.048	mg/Kg	1	8/12/2014 3:45:49 PM	14696
Toluene	ND	0.048	mg/Kg	1	8/12/2014 3:45:49 PM	14696
Ethylbenzene	ND	0.048	mg/Kg	1	8/12/2014 3:45:49 PM	14696
Xylenes, Total	ND	0.097	mg/Kg	1	8/12/2014 3:45:49 PM	14696
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	8/12/2014 3:45:49 PM	14696

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

Page 3 of 18

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-4

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:15:00 AM

 Lab ID:
 1408418-004
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/14/2014 5:48:49 PM	14713
Surr: DNOP	107	57.9-140	%REC	1	8/14/2014 5:48:49 PM	14713
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/13/2014 1:55:36 PM	14696
Surr: BFB	88.0	80-120	%REC	1	8/13/2014 1:55:36 PM	14696
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	8/13/2014 1:55:36 PM	14696
Toluene	ND	0.049	mg/Kg	1	8/13/2014 1:55:36 PM	14696
Ethylbenzene	ND	0.049	mg/Kg	1	8/13/2014 1:55:36 PM	14696
Xylenes, Total	ND	0.097	mg/Kg	1	8/13/2014 1:55:36 PM	14696
Surr: 4-Bromofluorobenzene	91.0	80-120	%REC	1	8/13/2014 1:55:36 PM	14696

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.
- Page 4 of 18
- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-5

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:20:00 AM

 Lab ID:
 1408418-005
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	250	10	mg/Kg	1	8/14/2014 6:10:12 PM	14713
Surr: DNOP	109	57.9-140	%REC	1	8/14/2014 6:10:12 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	1300	240	mg/Kg	50	8/12/2014 9:47:18 PM	14696
Surr: BFB	114	80-120	%REC	50	8/12/2014 9:47:18 PM	14696
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	5.2	2.4	mg/Kg	50	8/12/2014 9:47:18 PM	14696
Toluene	26	2.4	mg/Kg	50	8/12/2014 9:47:18 PM	14696
Ethylbenzene	4.8	2.4	mg/Kg	50	8/12/2014 9:47:18 PM	14696
Xylenes, Total	37	4.7	mg/Kg	50	8/12/2014 9:47:18 PM	14696
Surr: 4-Bromofluorobenzene	113	80-120	%REC	50	8/12/2014 9:47:18 PM	14696

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

Page 5 of 18

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-6

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:25:00 AM

 Lab ID:
 1408418-006
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/14/2014 6:31:41 PM	14713
Surr: DNOP	125	57.9-140	%REC	1	8/14/2014 6:31:41 PM	14713
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/13/2014 2:25:44 PM	14696
Surr: BFB	96.1	80-120	%REC	1	8/13/2014 2:25:44 PM	14696
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	8/13/2014 2:25:44 PM	14696
Toluene	ND	0.049	mg/Kg	1	8/13/2014 2:25:44 PM	14696
Ethylbenzene	ND	0.049	mg/Kg	1	8/13/2014 2:25:44 PM	14696
Xylenes, Total	ND	0.099	mg/Kg	1	8/13/2014 2:25:44 PM	14696
Surr: 4-Bromofluorobenzene	98.9	80-120	%REC	1	8/13/2014 2:25:44 PM	14696

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

Page 6 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-7

 Project:
 Bisti Reciever
 Collection Date: 8/7/2014 10:30:00 AM

 Lab ID:
 1408418-007
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS					Analyst	: BCN
Diesel Range Organics (DRO)	2600	99		mg/Kg	10	8/15/2014 1:53:18 PM	14713
Surr: DNOP	0	57.9-140	S	%REC	10	8/15/2014 1:53:18 PM	14713
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	770	190		mg/Kg	40	8/13/2014 2:56:02 PM	14696
Surr: BFB	125	80-120	S	%REC	40	8/13/2014 2:56:02 PM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.93		mg/Kg	40	8/13/2014 2:56:02 PM	14696
Toluene	ND	1.9		mg/Kg	40	8/13/2014 2:56:02 PM	14696
Ethylbenzene	3.3	1.9		mg/Kg	40	8/13/2014 2:56:02 PM	14696
Xylenes, Total	40	3.7		mg/Kg	40	8/13/2014 2:56:02 PM	14696
Surr: 4-Bromofluorobenzene	100	80-120		%REC	40	8/13/2014 2:56:02 PM	14696

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 Pool
 - P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 7 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-8

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:15:00 AM

 Lab ID:
 1408418-008
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG					Analyst	: BCN	
Diesel Range Organics (DRO)	820	10	n	ng/Kg	1	8/14/2014 7:14:32 PM	14713
Surr: DNOP	105	57.9-140	9	%REC	1	8/14/2014 7:14:32 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	520	98	n	ng/Kg	20	8/13/2014 3:26:10 PM	14696
Surr: BFB	121	80-120	S %	%REC	20	8/13/2014 3:26:10 PM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.74	0.49	n	ng/Kg	20	8/13/2014 3:26:10 PM	14696
Toluene	ND	0.98	n	ng/Kg	20	8/13/2014 3:26:10 PM	14696
Ethylbenzene	2.4	0.98	n	ng/Kg	20	8/13/2014 3:26:10 PM	14696
Xylenes, Total	18	2.0	n	ng/Kg	20	8/13/2014 3:26:10 PM	14696
Surr: 4-Bromofluorobenzene	110	80-120	9	%REC	20	8/13/2014 3:26:10 PM	14696

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

Page 8 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc. Client Sample ID: C-9

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:20:00 AM

 Lab ID:
 1408418-009
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analys	t: BCN
Diesel Range Organics (DRO)	5900	100		mg/Kg	10	8/15/2014 2:23:19 PM	14713
Surr: DNOP	0	57.9-140	S	%REC	10	8/15/2014 2:23:19 PM	14713
EPA METHOD 8015D: GASOLINE RA	ANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	5400	240		mg/Kg	50	8/12/2014 11:47:51 PM	1 14696
Surr: BFB	147	80-120	S	%REC	50	8/12/2014 11:47:51 PM	1 14696
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	27	2.4		mg/Kg	50	8/12/2014 11:47:51 PM	1 14696
Toluene	ND	2.4		mg/Kg	50	8/12/2014 11:47:51 PM	1 14696
Ethylbenzene	19	2.4		mg/Kg	50	8/12/2014 11:47:51 PM	1 14696
Xylenes, Total	150	4.8		mg/Kg	50	8/12/2014 11:47:51 PM	1 14696
Surr: 4-Bromofluorobenzene	119	80-120		%REC	50	8/12/2014 11:47:51 PM	1 14696

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

Page 9 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc.

Client Sample ID: C-10

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:25:00 AM

 Lab ID:
 1408418-010
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	: BCN
Diesel Range Organics (DRO)	890	100		mg/Kg	10	8/15/2014 2:53:22 PM	14713
Surr: DNOP	0	57.9-140	S	%REC	10	8/15/2014 2:53:22 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	690	93		mg/Kg	20	8/13/2014 3:56:18 PM	14696
Surr: BFB	128	80-120	S	%REC	20	8/13/2014 3:56:18 PM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	1.5	0.93		mg/Kg	20	8/13/2014 3:56:18 PM	14696
Toluene	1.2	0.93		mg/Kg	20	8/13/2014 3:56:18 PM	14696
Ethylbenzene	2.6	0.93		mg/Kg	20	8/13/2014 3:56:18 PM	14696
Xylenes, Total	20	1.9		mg/Kg	20	8/13/2014 3:56:18 PM	14696
Surr: 4-Bromofluorobenzene	113	80-120		%REC	20	8/13/2014 3:56:18 PM	14696

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 Page 1
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 10 of 18

Hall Environmental Analysis Laboratory, Inc. Date Reported: 8/19/2014

CLIENT: Apex Titan, Inc.

Client Sample ID: C-11

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:30:00 AM

 Lab ID:
 1408418-011
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	660	9.9		mg/Kg	1	8/14/2014 8:18:50 PM	14713
Surr: DNOP	121	57.9-140		%REC	1	8/14/2014 8:18:50 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	220	24		mg/Kg	5	8/13/2014 1:18:00 AM	14696
Surr: BFB	190	80-120	S	%REC	5	8/13/2014 1:18:00 AM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.19	0.12		mg/Kg	5	8/13/2014 1:18:00 AM	14696
Toluene	ND	0.24		mg/Kg	5	8/13/2014 1:18:00 AM	14696
Ethylbenzene	1.2	0.24		mg/Kg	5	8/13/2014 1:18:00 AM	14696
Xylenes, Total	8.9	0.48		mg/Kg	5	8/13/2014 1:18:00 AM	14696
Surr: 4-Bromofluorobenzene	120	80-120		%REC	5	8/13/2014 1:18:00 AM	14696

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 Page
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 11 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc.

Client Sample ID: C-12

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:35:00 AM

 Lab ID:
 1408418-012
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	120	10		mg/Kg	1	8/14/2014 8:40:09 PM	14713
Surr: DNOP	118	57.9-140		%REC	1	8/14/2014 8:40:09 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	26	4.7		mg/Kg	1	8/13/2014 1:48:05 AM	14696
Surr: BFB	136	80-120	S	%REC	1	8/13/2014 1:48:05 AM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.14	0.047		mg/Kg	1	8/13/2014 1:48:05 AM	14696
Toluene	ND	0.047		mg/Kg	1	8/13/2014 1:48:05 AM	14696
Ethylbenzene	0.12	0.047		mg/Kg	1	8/13/2014 1:48:05 AM	14696
Xylenes, Total	0.74	0.094		mg/Kg	1	8/13/2014 1:48:05 AM	14696
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	8/13/2014 1:48:05 AM	14696

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 Page 12 of 18
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc.

Client Sample ID: C-13

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:40:00 AM

 Lab ID:
 1408418-013
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	900	10		mg/Kg	1	8/14/2014 9:01:39 PM	14713
Surr: DNOP	112	57.9-140		%REC	1	8/14/2014 9:01:39 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	880	96		mg/Kg	20	8/13/2014 2:18:12 AM	14696
Surr: BFB	130	80-120	S	%REC	20	8/13/2014 2:18:12 AM	14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	1.7	0.96		mg/Kg	20	8/13/2014 2:18:12 AM	14696
Toluene	ND	0.96		mg/Kg	20	8/13/2014 2:18:12 AM	14696
Ethylbenzene	3.3	0.96		mg/Kg	20	8/13/2014 2:18:12 AM	14696
Xylenes, Total	23	1.9		mg/Kg	20	8/13/2014 2:18:12 AM	14696
Surr: 4-Bromofluorobenzene	113	80-120		%REC	20	8/13/2014 2:18:12 AM	14696

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 Page
 - P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 13 of 18

Date Reported: 8/19/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Apex Titan, Inc.

Client Sample ID: C-14

 Project:
 Bisti Reciever
 Collection Date: 8/8/2014 9:45:00 AM

 Lab ID:
 1408418-014
 Matrix: SOIL
 Received Date: 8/9/2014 9:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analysi	BCN
Diesel Range Organics (DRO)	2000	100		mg/Kg	10	8/15/2014 3:53:43 PM	14713
Surr: DNOP	0	57.9-140	S	%REC	10	8/15/2014 3:53:43 PM	14713
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	1800	47		mg/Kg	10	8/13/2014 11:55:07 AM	14696
Surr: BFB	227	80-120	S	%REC	10	8/13/2014 11:55:07 AM	I 14696
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	6.2	0.47		mg/Kg	10	8/13/2014 11:55:07 AM	14696
Toluene	12	0.47		mg/Kg	10	8/13/2014 11:55:07 AM	14696
Ethylbenzene	6.7	0.47		mg/Kg	10	8/13/2014 11:55:07 AM	14696
Xylenes, Total	48	0.94		mg/Kg	10	8/13/2014 11:55:07 AM	I 14696
Surr: 4-Bromofluorobenzene	123	80-120	S	%REC	10	8/13/2014 11:55:07 AM	I 14696

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

Page 14 of 18

- ND Not Detected at the Reporting Limit Page
 - P Sample pH greater than 2.
- RL Reporting Detection Limit

Apex Titan, Inc.

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: **1408418**

19-Aug-14

Project: Bisti R	Reciever
Sample ID MB-14719	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: PBS	Batch ID: 14719 RunNo: 20529
Prep Date: 8/12/2014	Analysis Date: 8/13/2014 SeqNo: 597002 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.7 10.00 96.9 57.9 140
Sample ID LCS-14719	SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: LCSS	Batch ID: 14719 RunNo: 20529
Prep Date: 8/12/2014	Analysis Date: 8/13/2014 SeqNo: 597313 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.6 5.000 91.5 57.9 140
Sample ID MB-14743	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: PBS	Batch ID: 14743 RunNo: 20529
Prep Date: 8/13/2014	Analysis Date: 8/13/2014 SeqNo: 598024 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.00 89.5 57.9 140
Sample ID LCS-14743	SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: LCSS	Batch ID: 14743 RunNo: 20529
Prep Date: 8/13/2014	Analysis Date: 8/13/2014 SeqNo: 598025 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.5 5.000 90.6 57.9 140
Sample ID MB-14713	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: PBS	Batch ID: 14713 RunNo: 20529
Prep Date: 8/12/2014	Analysis Date: 8/14/2014 SeqNo: 598257 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	9.6 10.00 95.9 57.9 140
Sample ID LCS-14713	SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: LCSS	Batch ID: 14713 RunNo: 20529
Prep Date: 8/12/2014	Analysis Date: 8/14/2014 SeqNo: 598258 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	50 10 50.00 0 99.3 68.6 130
Surr: DNOP	4.9 5.000 97.2 57.9 140

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

Page 15 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#: **1408418**

19-Aug-14

Client: Apex Titan, Inc.

Project: Bisti Reciever

Sample ID MB-14777 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: **PBS** Batch ID: **14777** RunNo: **20599**

Prep Date: 8/14/2014 Analysis Date: 8/15/2014 SeqNo: 599319 Units: %REC

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: DNOP 7.8 10.00 78.4 57.9 140

Sample ID LCS-14777 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: LCSS Batch ID: 14777 RunNo: 20599

Prep Date: 8/14/2014 Analysis Date: 8/15/2014 SeqNo: 599320 Units: %REC

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: DNOP 3.9 5.000 78.6 57.9 140

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

Page 16 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#: **1408418**

19-Aug-14

Client: Apex Titan, Inc.

Project: Bisti Reciever

Sample ID MB-14696 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 14696 RunNo: 20533

Prep Date: 8/11/2014 Analysis Date: 8/12/2014 SeqNo: 597262 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 920 1000 91.5 80 120

Sample ID LCS-14696 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 14696 RunNo: 20533

Prep Date: 8/11/2014 Analysis Date: 8/12/2014 SeqNo: 597263 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Gasoline Range Organics (GRO)
 24
 5.0
 25.00
 0
 96.0
 65.8
 139

 Surr: BFB
 970
 1000
 97.2
 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

Page 17 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#:

1408418

19-Aug-14

Client: Apex Titan, Inc.

Project: Bisti Reciever

Sample ID MB-14696 SampType: MBLK TestCode: EPA Method 8021B: Volatiles
Client ID: PBS Batch ID: 14696 RunNo: 20533

Prep Date: **8/11/2014** Analysis Date: **8/12/2014** SeqNo: **597291** 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 1.1 1.000 109 80 120

Sample ID LCS-14696	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	n ID: 14	696	R	RunNo: 2	0533				
Prep Date: 8/11/2014	Analysis D	Date: 8/	12/2014	S	SeqNo: 5	97292	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.050	1.000	0	87.4	80	120			
Toluene	0.86	0.050	1.000	0	85.6	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	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

Reporting Detection Limit

P Sample pH greater than 2.

Page 18 of 18



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

RcptNo: 1 APEX Titan Work Order Number: 1408418 Client Name: Received by/date: Logged By: Lindsay Mangin 8/9/2014 10:22:53 AM Completed By: Lindsay Mangin Reviewed By: IO Chain of Custody Not Present ✓ No 1 Custody seals intact on sample bottles? Not Present Yes 🗸 No 2. Is Chain of Custody complete? 3 How was the sample delivered? Courier Property of the Courier of t Log In No : NΑ Yes 🗸 4. Was an attempt made to cool the samples? NA 5. Were all samples received at a temperature of >0° C to 6.0°C 6. Sample(s) in proper container(s)? No No : 7 Sufficient sample volume for indicated test(s)? 8. Are samples (except VOA and ONG) properly preserved? Nο No 🗸 NA 9. Was preservative added to bottles? No VOA Vials ✓ Yes No 🗄 10.VOA vials have zero headspace? 11. Were any sample containers received broken? No # of preserved bottles checked No for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Nο 13 Are matrices correctly identified on Chain of Custody? No 14. Is it clear what analyses were requested? Checked by: No L 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes . NA V 16. Was client notified of all discrepancies with this order? No . Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Seal Intact | Seal No Cooler No Temp °C | Condition | Seal Date 2.4 Good

AL.)RY								(N	OL	人) :	Air Bubbles						. <u>-</u> -									<u>+</u>
FNVTRONMENTA	ANALYSIS LABORATORY		109																								nalytical repor
2 2	Ö	E	Albuquerque, NM 87109	505-345-4107				•		(AC	οΛ-!	mə2) 0728							-								the ar
2	3	tal.cc	e, R	-345-	Analysis Request							OV) 808S8													6		ated or
Ļ		ımen	lerqu	505	Rec			-				S081 Pestio							_						Ø,		arly nof
Ź	SI	viror	lbuqu	Fax	lysis	([†] O	S'*C) DG,	NO			D, T) snoinA											_		Q Q		be clea
	֡֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	ialler	1	2	Ana		(0)	IAIIC	2 0 / 2			rea) e'HA9 М 8 АЯЭЯ										_			200		ata will
HAI		www.hallenvironmental.com	s NE	-397				VVIC				EDB (Meth													, , , ,	}	acted d
I	₹	3	wkin	5-345								TPH (Metho											-		17 6	I I	b-contr
	ן ר		4901 Hawkins NE	Tel. 505-345-3975		(02	H41-/	05	ld /	ОЯ	ອ) ເ	93108 H9T	X	- Lineary		, INI	-1/11				$\overline{}$			>	July 2		Any su
	Î	_ ■	-7 -64 -64	e		(o se	,0)	Hdi	EE	38	LM + X318	X	بطيع	2010	433	gal	144	7	99	1	2	3	*	Remarks		ibility.
	ا ز	5	7	4		()	-208	3)-5	GW.	.881	36	BLEX + MU	X											-≯	- Re		ssod si
		VEV							N			HEAL NO.)(7		ÞΩ	, Ju	$\widetilde{\mathcal{U}}_{\mathcal{O}}$	D.t	200	B	210	211	21/2	Time 14 (313	Time 4090	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
		Recal		\$100			201		mer	oN □	7		JJ-	0-	7	2)-)	, \)	7	- ()-	2-	Date 8/8/) Date 	\
ime:	□ Ru <u>sh</u>	1/1		Project #: 2/2/10/00/01		er:	Mu m n		~ Sum	¥ Yes	erature:	Preservative Type	126												a black		redited laboratories.
Turn-Around Time:	Standard	Project Name:	110	ect #:	1000	Jas , Elifer Manager.	کم		7		Sample Temperature	Container F	1×402											~	Received by:	Received by	ted to other acc
	A	Proj	16.0	Proj		E. C.			San	On Ice:	San	_ პౖ∑	1												Rec		contrac
cord	!	:	Grand			Sex Cas		Validation)	·			equest ID		2	~	,						0	1	2		4	nental may be sub
Chain-of-Custody Record	res	•	S. W.O	TEC	E09.3	Summerset		☐ Level 4 (Full Validation)				Sample Request ID	001	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2-0	4-2	5-5	9-0	600	6-8	(1-4	(~2	1-2	11-7		x. Lae	f necessary, samples submitted to Hall Environmental may be subcontracted to other alco
of-Cust	Apex-Titen	,	909	1 AR	821	www.				□ Other _		Matrix	tη											>	Relinquished by	Relinguished by:	amples submitte
}hain-c	, ·		Mailing Address:	アルシュ	# 903	email or Fax#: 🖟	QA/QC Package:	ndard	Accreditation	_AP	□ EDD (Type)	Time	90014	5001	0/01	1012	0201	5201	0801	S/8/4 0915	0260	0925	9860	0935	Time: F	Time: 758	If necessary, se
J	Client:		Mailing	Sw	Phone #:	email	QA/QC	X Standard	Accrec	□ NELAP		Date 8-17-17-17	1111/18)	1/8/8	***				Solution Solution	Date: (18/1/	+

hain-of-Cust	Turn-Around Time:	HALL ENVIRONMENTAL
Client: A noy Titam	Astandard 🗆 Rush	ANALYSIS LABORATORY
Mariling Address: 1 76 18 1.3 1. 1 40 Mes	Project Name:	www.hallenvironmental.com
2/0		4901 Hawkins NE - Albuquerque, NM 87109
4	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #: 403 821 5603	0 1000	
email or Fax#: KSUMMers Office XCOV, Chofett Manage	<u>.</u>	Ouly)
:âe:	1 1/2 11 May 11	M+()
revel 4 (Full Validation)	ence >	O) I
u	SUMMONL	(1.4 (1.4 (1.4 (1.4 (1.4 (1.4 (1.4 (1.4
□ NELAP	On ce: (X) es 🗆 No	+ :: 418 8 10 8 10 8 10 8 10 8 10 8 10 8 10 8
□ EDD (Type)	iture 2 t	od · ood · o
Date Time Matrix Sample Request ID	Container Preservative Type and # Type	EX + MT H 8015E H 8015E H's (831 H's (8
8/2/N 6941 S 8-13	18412 108 -012	HT
8/8/14/0944 a 11/1		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	1	
	•	
	1 AN	
	1//	
	152	
Date: Time: Relinguishedby:	Received by: Date Time F	Remarks:
-	Date Ti	
3/8/14 1758 Mustrulabeles	- AS DAIDAIN OUR	
If necessary, samples submitted to He	ocontracted to other accredited laboratories. This serves as notice of this possibility.	possibility. Any sub-contracted data will be clearly notated on the analytical report.