Good morning Ms. Gonzales:

Thanks for the missing data. The proposed remediation and revegetation plan for 1RP-5113 is accepted. Please include the revegetation plan in the closure or deferral report for 1RP-5113.

Thanks, Olivia

From: Gonzales, Clair <Clair.Gonzales@tetratech.com>
Sent: Wednesday, October 17, 2018 8:59 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Carmona, Mike <Mike.Carmona@tetratech.com>;
Hernandez, Christina, EMNRD <Christina.Hernandez@state.nm.us>
Cc: James_Kennedy@eogresources.com; Jamon_Hohensee@eogresources.com
Subject: [EXT] RE: EOG-Rattlesnake Reuse Pit Work Plan (1RP-5113)

Olivia,

The notes below are acknowledged.

I apologize for the mistake; attached is the correct/revised laboratory report showing the TPH analysis for AH-8 to AH-10 at 1-1.5'. The stockpiled material onsite was from the initial response and will be hauled for proper disposal. Additionally, the areas of T-11 and T-12 will be excavated to 1.0'-2.0' below surface to remove the chloride concentrations above 600 mg/kg, to the maximum extent safely possible due to the onsite equipment. Once the excavation and remediation activities are complete, the pasture area will be reseeded with BLM Seed Mixture 3, for Shallow Sites, in June 2019 to coincide with the rainy season in southeastern New Mexico.

Let me know if you have any other questions or concerns.

Thank you, *Clair Gonzales* Clair Gonzales | Project Manager Phone: 432.687.8123| Mobile 432.260.8634 | Fax:432.682.3946 clair.gonzales@tetratech.com

Tetra Tech | Complex World, CLEAR SOLUTIONS™

901 West Wall Street, Ste 100 | Midland, TX 79701 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Sent: Sunday, October 07, 2018 11:44 AM

To: Carmona, Mike <<u>Mike.Carmona@tetratech.com</u>>; Hernandez, Christina, EMNRD <<u>Christina.Hernandez@state.nm.us</u>>

Cc: Gonzales, Clair <<u>Clair.Gonzales@tetratech.com</u>>; <u>James_Kennedy@eogresources.com</u>; <u>Jamon_Hohensee@eogresources.com</u>

Subject: RE: EOG-Rattlesnake Reuse Pit Work Plan (1RP-5113)

Mr. Carmona:

Notes:

- Per 19.15.29 NMAC, please note that site characterization criteria includes assessment of watercourses within 0.5 mile radius of the release boundaries. There is a NMOSE identified watercourse within 0.5 miles Southwest of the release area.
- Please be advised that for all releases after August 14, 2018, the effective date of revised 19.15.29 NMAC, the Responsible Operator needs to verified that there is no protected groundwater within 50 ft. bgs, if there are no USGS or NMOSE water data within approximately 0.5 mile radius. For future incidents similar to 1RP-5113, a soil bore to at least 100 ft. bgs will be necessary for verification as per 19.15.29.11.A.
- Release occurred in medium cave-karst region.
- Release point is missing in figures.
- Please be advised that any portion of the release area, which could not be remediated, due to infrastructure after all possible mechanical methods have been attempted, would result in a deferral of 1RP-5113.
- Closure photos and confirmation samples will need to be dated and geo-referenced.

NMOCD will approve of the delineation as completed for 1RP-5113, contingent upon addressal of the following concerns regarding the delineation report for 1RP-5113.

- 1. Tabulated data indicated that there were TPH analyses for AH-8 to AH-10 for the 1-1.5 depths on sample date 7/2/2018. However, neither the chain of custody nor laboratory results indicated that samples at this depth were laboratory analyzed. Please provide this missing documentation if not an oversight.
- 2. Please identified the stockpiled soil. Contaminated soil on plastic for later disposal?
- 3. The release area represented by T-11 to T-13 will need to be remediated as per 19.15.29.13. The pasture needs to be restored, reclaimed, and revegetated to pre-release conditions. What is the remediation plan for this section of the release area?

Thanks, Olivia

From: Carmona, Mike <<u>Mike.Carmona@tetratech.com</u>>

Sent: Thursday, September 6, 2018 8:34 AM

To: Yu, Olivia, EMNRD <<u>Olivia.Yu@state.nm.us</u>>; Hernandez, Christina, EMNRD

<<u>Christina.Hernandez@state.nm.us</u>>

Cc: Gonzales, Clair <<u>Clair.Gonzales@tetratech.com</u>>; <u>James_Kennedy@eogresources.com</u>; <u>Jamon_Hohensee@eogresources.com</u>

Subject: EOG-Rattlesnake Reuse Pit Work Plan (1RP-5113)

Good Morning,

Attached is the work plan for the above-referenced site located in Lea County, New Mexico. Once approved, EOG will implement the work plan. Let me know if you have any questions or concerns.

Sincerely,

Mike J.Carmona | Geologist Direct +1 (432) 687-8121 | Cell +1 (432) 270-0197 | <u>mike.carmona@tetratech.com</u> Tetra Tech | Complex World, Clear Solutions™ 901 West Wall, Suite.100, Midland, TX 79701 | <u>tetratech.com</u>

Analytical Report 591157

for Tetra Tech- Midland

Project Manager: Clair Gonzales

Rattle Snake Reuse Pit

212C-MD-01300

16-JUL-18

Collected By: Client



RECEIVED By Olivia Yu at 8:53 am, Oct 22, 2018



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-17-16), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-17-12) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-17-16) Xenco-Odessa (EPA Lab Code: TX00158): Texas (T104704400-18-15) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757) Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429) Xenco-Lakeland: Florida (E84098)



16-JUL-18



Project Manager: **Clair Gonzales Tetra Tech- Midland** 4000 N. Big Spring Suite 401 Midland, TX 79705

Reference: XENCO Report No(s): **591157 Rattle Snake Reuse Pit** Project Address: Lea County, NM

Clair Gonzales:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 591157. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 591157 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Knisk

Kelsey Brooks Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 591157



Tetra Tech- Midland, Midland, TX

Rattle Snake Reuse Pit

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
T-1 (0-1')	S	07-02-18 00:00		591157-001
T-1 (1')	S	07-02-18 00:00		591157-002
T-1 (2')	S	07-02-18 00:00		591157-003
T-1 (4')	S	07-02-18 00:00		591157-004
T-1 (6')	S	07-02-18 00:00		591157-005
T-1 (8')	S	07-02-18 00:00		591157-006
T-1 (10')	S	07-02-18 00:00		591157-007
T-1 (12')	S	07-02-18 00:00		591157-008
T-2 (0-1')	S	07-02-18 00:00		591157-009
T-2 (1')	S	07-02-18 00:00		591157-010
T-2 (2')	S	07-02-18 00:00		591157-011
T-2 (4')	S	07-02-18 00:00		591157-012
T-2 (6')	S	07-02-18 00:00		591157-013
T-2 (8')	S	07-02-18 00:00		591157-014
T-3 (0-1')	S	07-02-18 00:00		591157-015
T-3 (1')	S	07-02-18 00:00		591157-016
T-3 (2')	S	07-02-18 00:00		591157-017
T-3 (4')	S	07-02-18 00:00		591157-018
T-3 (6')	S	07-02-18 00:00		591157-019
T-3 (8')	S	07-02-18 00:00		591157-020
T-3 (10')	S	07-02-18 00:00		591157-021
T-4 (0-1')	S	07-02-18 00:00		591157-022
T-4 (1')	S	07-02-18 00:00		591157-023
T-4 (2')	S	07-02-18 00:00		591157-024
T-4 (4')	S	07-02-18 00:00		591157-025
T-4 (6')	S	07-02-18 00:00		591157-026
T-4 (8')	S	07-02-18 00:00		591157-027
T-5 (0-1')	S	07-02-18 00:00		591157-028
T-5 (1')	S	07-02-18 00:00		591157-029
T-5 (2')	S	07-02-18 00:00		591157-030
T-5 (4')	S	07-02-18 00:00		591157-031
T-5 (6')	S	07-02-18 00:00		591157-032
T-5 (8')	S	07-02-18 00:00		591157-033
T-6 (0-1')	S	07-02-18 00:00		591157-034
T-6 (1')	S	07-02-18 00:00		591157-035
T-6 (2')	S	07-02-18 00:00		591157-036
T-6 (4')	S	07-02-18 00:00		591157-037
T-6 (6')	S	07-02-18 00:00		591157-038
T-6 (8')	S	07-02-18 00:00		591157-039
T-7 (0-1')	S	07-02-18 00:00		591157-040
T-7 (1')	S	07-02-18 00:00		591157-041
T-7 (2')	S	07-02-18 00:00		591157-042
T-7 (4')	S	07-02-18 00:00		591157-043



T-7 (6')
T-7 (8')
AH-8 (0-1')
AH-8 (1-1.5')
AH-8 (2-2.5')
AH-8 (3-3.5')
AH-9 (0-1')
AH-9 (1-1.5')
AH-9 (2-2.5')
AH-9 (3-3.5')
AH-10 (0-1')
AH-10 (1-1.5')
AH-10 (2-2.5')
AH-10 (3-3.5')

Sample Cross Reference 591157



Tetra Tech- Midland, Midland, TX

Rattle Snake Reuse Pit

S	07-02-18 00:00	591157-044
S	07-02-18 00:00	591157-045
S	07-02-18 00:00	591157-046
S	07-02-18 00:00	591157-047
S	07-02-18 00:00	591157-048
S	07-02-18 00:00	591157-049
S	07-02-18 00:00	591157-050
S	07-02-18 00:00	591157-051
S	07-02-18 00:00	591157-052
S	07-02-18 00:00	591157-053
S	07-02-18 00:00	591157-054
S	07-02-18 00:00	591157-055
S	07-02-18 00:00	591157-056
S	07-02-18 00:00	591157-057



CASE NARRATIVE

Client Name: Tetra Tech- Midland Project Name: Rattle Snake Reuse Pit

Project ID: 212C-MD-01300 Work Order Number(s): 591157 Report Date: 16-JUL-18 Date Received: 07/03/2018

Sample receipt non conformances and comments:

591157-051, 055 released from hold for TPH per COC instructions 07/10--KB

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3055792 Chloride by EPA 300

Lab Sample ID 591157-025 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 591157-015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034. The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3055798 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3055801 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0	001	591157-0	02	591157-0	003	591157-0)04	591157-0	05	591157-	006
Analysis Paguastad	Field Id:	T-1 (0-1	1')	T-1 (1))	T-1 (2))	T-1 (4)	T-1 (6)	T-1 (8	")
Analysis Requested	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18 0	00:00	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18	00:00
BTEX by EPA 8021B	Extracted:	Jul-08-18 (08:00									1	
	Analyzed:	Jul-08-18	14:58										
	Units/RL:	mg/kg	RL										
Benzene		< 0.00201	0.00201										
Toluene		< 0.00201	0.00201										
Ethylbenzene		< 0.00201	0.00201										
m,p-Xylenes		< 0.00402	<0.00402 0.00402										
o-Xylene		< 0.00201	<0.00201 0.00201										
Total Xylenes		< 0.00201	0.00201										
Total BTEX		< 0.00201	0.00201										
Chloride by EPA 300	Extracted:	Jul-07-18	11:30	Jul-07-18 11:30		Jul-07-18 1	1:30	Jul-07-18 1	1:30	Jul-07-18 1	1:30	Jul-07-18	11:30
	Analyzed:	Jul-07-18	13:34	Jul-07-18 1	3:39	Jul-07-18 1	3:45	Jul-07-18 1	3:55	Jul-07-18 1	3:50	Jul-07-18	14:12
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5560	50.0	6460	49.6	1880	25.0	14.7	4.98	138	25.0	131	24.7
TPH by SW8015 Mod	Extracted:	Jul-08-18	10:00										
	Analyzed:	Jul-08-18	17:31										
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<14.9	14.9										
Diesel Range Organics (DRO)		537	537 14.9										
Oil Range Hydrocarbons (ORO)		<14.9	<14.9 14.9										
Total TPH		537	<14.9										

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

Huns Arah

Kelsey Brooks Project Manager



Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Project Id:212C-MD-01300Contact:Clair GonzalesProject Location:Lea County, NM

Date Received in Lab:Tue Jul-03-18 09:41 amReport Date:16-JUL-18Project Manager:Kelsey Brooks

	Lab Id:	591157-0	007	591157-0	08	591157-0	09	591157-(010	591157-0	011	591157-()12
Amplusia Dogwootod	Field Id:	T-1 (10	')	T-1 (12	')	T-2 (0-1)	T-2 (1')	T-2 (2')	T-2 (4')
Analysis Kequestea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 0	0:00	Jul-02-18 (00:00	Jul-02-18 (00:00	Jul-02-18 (00:00
BTEX by EPA 8021B	Extracted:					Jul-08-18 0	8:00						
	Analyzed:					Jul-08-18 1	5:16						
	Units/RL:					mg/kg	RL						
Benzene						< 0.00201	0.00201						
Toluene						< 0.00201	0.00201						
Ethylbenzene						< 0.00201	0.00201						
m,p-Xylenes						< 0.00402	0.00402						
o-Xylene						< 0.00201	0.00201						
Total Xylenes						< 0.00201	0.00201						
Total BTEX						< 0.00201	0.00201						
Chloride by EPA 300	Extracted:	Jul-07-18	1:30	Jul-07-18 1	1:30	Jul-07-18 1	1:30	Jul-07-18 1	1:30	Jul-07-18 1	1:30	Jul-07-18 1	1:30
	Analyzed:	Jul-07-18	14:17	Jul-07-18 1	4:33	Jul-07-18 1	4:39	Jul-07-18 1	4:44	Jul-07-18 1	4:49	Jul-07-18 1	4:55
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		289	24.5	418	24.9	935	4.98	154	4.94	4230	25.0	34.5	4.92
TPH by SW8015 Mod	Extracted:					Jul-08-18 1	0:00						
	Analyzed:					Jul-08-18 1	7:50						
	Units/RL:					mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)						<15.0	15.0						
Diesel Range Organics (DRO)						18.6	15.0						
Oil Range Hydrocarbons (ORO)						<15.0	15.0						
Total TPH						18.6	15.0						

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0)13	591157-0)14	591157-0	15	591157-0)16	591157-0)17	591157-0)18
Analysis Prograted	Field Id:	T-2 (6')	T-2 (8))	T-3 (0-1	י ר	T-3 (1)	T-3 (2')	T-3 (4)
Analysis Kequestea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18 0	0:00	Jul-02-18 (00:00	Jul-02-18 (00:00	Jul-02-18 (00:00
BTEX by EPA 8021B	Extracted:					Jul-08-18 08	8:00						
	Analyzed:					Jul-08-18 1	5:34						
	Units/RL:					mg/kg	RL						
Benzene						< 0.00199	0.00199						
Toluene						< 0.00199	0.00199						
Ethylbenzene						<0.00199 0.00199							
m,p-Xylenes						< 0.00398	0.00398						
o-Xylene						< 0.00199	0.00199						
Total Xylenes						< 0.00199	0.00199						
Total BTEX						< 0.00199	0.00199						
Chloride by EPA 300	Extracted:	Jul-07-18	1:30	Jul-07-18 1	1:30	Jul-07-18 12	2:00	Jul-07-18 1	2:00	Jul-07-18 1	2:00	Jul-07-18	2:00
	Analyzed:	Jul-09-18	1:49	Jul-07-18 1	5:06	Jul-07-18 1	5:54	Jul-07-18 1	6:00	Jul-07-18 1	5:38	Jul-07-18	6:05
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		24.5	4.99	72.4	24.6	2130	24.8	2000	24.8	270	4.94	33.3	4.93
TPH by SW8015 Mod	Extracted:					Jul-08-18 1	0:00						
	Analyzed:					Jul-08-18 1	8:09						
	Units/RL:					mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)	e Range Hydrocarbons (GRO)					<15.0	15.0						
Diesel Range Organics (DRO)						<15.0	15.0						
Oil Range Hydrocarbons (ORO)	ange Hydrocarbons (ORO)					<15.0	15.0						
Total TPH						<15.0	15.0						

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-()19	591157-0	20	591157-0	21	591157-0)22	591157-0	23	591157-0	024
Analysis Pogyostad	Field Id:	T-3 (6')	T-3 (8'))	T-3 (10))	T-4 (0-	1')	T-4 (1))	T-4 (2	')
Analysis Kequestea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 0	0:00	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18 (00:00
BTEX by EPA 8021B	Extracted:		1					Jul-08-18 (08:00				
	Analyzed:							Jul-08-18	5:52				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00200	0.00200				
Toluene								< 0.00200	0.00200				
Ethylbenzene								< 0.00200	0.00200				
m,p-Xylenes								< 0.00399	0.00399				
o-Xylene								< 0.00200	0.00200				
Total Xylenes								< 0.00200	0.00200				
Total BTEX								< 0.00200	0.00200				
Chloride by EPA 300	Extracted:	Jul-07-18	2:00	Jul-07-18 1	2:00	Jul-07-18 12	2:00	Jul-07-18	2:00	Jul-07-18 1	2:00	Jul-07-18 1	12:00
	Analyzed:	Jul-07-18	6:10	Jul-07-18 1	6:27	Jul-07-18 1	6:32	Jul-07-18	6:37	Jul-07-18 1	6:43	Jul-07-18 1	16:48
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		21.9	4.94	7.59	5.00	<4.95	4.95	2700	24.9	3580	24.6	3290	24.5
TPH by SW8015 Mod	Extracted:							Jul-08-18	0:00				
	Analyzed:							Jul-08-18	8:29				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)								<15.0	15.0				
Diesel Range Organics (DRO)								26.5	15.0				
Oil Range Hydrocarbons (ORO)								<15.0	15.0				
Total TPH								26.5	15.0				

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0	025	591157-0	26	591157-0	027	591157-0	028	591157-0	29	591157-	030
Analysis Paguested	Field Id:	T-4 (4)	T-4 (6'))	T-4 (8))	T-5 (0-1	1')	T-5 (1))	T-5 (2	')
Analysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18 0	00:00	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18	00:00
BTEX by EPA 8021B	Extracted:		ſ					Jul-08-18 (08:00				
	Analyzed:							Jul-08-18 1	6:10				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00200	0.00200				
Toluene								< 0.00200	0.00200				
Ethylbenzene								< 0.00200	0.00200				
m,p-Xylenes								< 0.00401	0.00401				
o-Xylene								< 0.00200	0.00200				
Total Xylenes								< 0.00200	0.00200				
Total BTEX								< 0.00200	0.00200				
Chloride by EPA 300	Extracted:	Jul-07-18	12:00	Jul-07-18 1	2:00	Jul-07-18 1	2:00	Jul-07-18 1	2:00	Jul-07-18 1	2:00	Jul-07-18	12:00
	Analyzed:	Jul-07-18	6:54	Jul-07-18 1	7:10	Jul-07-18 1	7:15	Jul-07-18 1	7:31	Jul-07-18 1	7:37	Jul-07-18	17:42
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		195	4.92	117	4.96	10.7	4.94	1770	24.6	2020	25.0	146	4.90
TPH by SW8015 Mod	Extracted:							Jul-08-18 1	0:00				
	Analyzed:							Jul-08-18 1	8:48				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)								<15.0	15.0				
Diesel Range Organics (DRO)								168	15.0				
Oil Range Hydrocarbons (ORO)								<15.0	15.0				
Total TPH								168	15.0				

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-(031	591157-0	32	591157-0)33	591157-0	034	591157-0)35	591157-0	036
Analysis Paguested	Field Id:	T-5 (4')	T-5 (6))	T-5 (8))	T-6 (0-	1')	T-6 (1)	T-6 (2	')
Analysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 0	00:00	Jul-02-18 (00:00	Jul-02-18 (00:00	Jul-02-18 (00:00
BTEX by EPA 8021B	Extracted:		1					Jul-08-18 (08:00				
	Analyzed:							Jul-08-18	6:28				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00199	0.00199				
Toluene								< 0.00199	0.00199				
Ethylbenzene								< 0.00199	0.00199				
m,p-Xylenes								< 0.00398	0.00398				
o-Xylene								< 0.00199	0.00199				
Total Xylenes								< 0.00199	0.00199				
Total BTEX								< 0.00199	0.00199				
Chloride by EPA 300	Extracted:	Jul-07-18	12:00	Jul-07-18 1	2:00	Jul-07-18 1	2:00	Jul-07-18	2:00	Jul-09-18 1	4:00	Jul-09-18 1	14:00
	Analyzed:	Jul-07-18	17:48	Jul-07-18 1	7:53	Jul-07-18 1	7:58	Jul-07-18	8:04	Jul-09-18 1	8:46	Jul-09-18 1	18:52
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		48.2	4.90	21.1	4.95	15.7	4.90	5290	49.9	4140	25.0	1240	4.94
TPH by SW8015 Mod	Extracted:							Jul-08-18	0:00				
	Analyzed:							Jul-08-18	9:07				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)								<15.0	15.0				
Diesel Range Organics (DRO)								404	15.0				
Oil Range Hydrocarbons (ORO)								<15.0	15.0				
Total TPH								404	15.0				

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0)37	591157-0	38	591157-0)39	591157-0	040	591157-0	041	591157-0	042
Analysis Paguastad	Field Id:	T-6 (4)	T-6 (6))	T-6 (8)	T-7 (0-	1')	T-7 (1)	T-7 (2	')
Analysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	0:00	Jul-02-18 (00:00	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 (00:00
BTEX by EPA 8021B	Extracted:		ľ				1	Jul-08-18 ()8:30				
	Analyzed:							Jul-08-18	19:10				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00201	0.00201				
Toluene								< 0.00201	0.00201				
Ethylbenzene								< 0.00201	0.00201				
m,p-Xylenes								< 0.00402	0.00402				
o-Xylene								< 0.00201	0.00201				
Total Xylenes								< 0.00201	0.00201				
Total BTEX								< 0.00201	0.00201				
Chloride by EPA 300	Extracted:	Jul-09-18	14:00	Jul-09-18 1	4:00	Jul-09-18 1	14:00	Jul-09-18	15:30	Jul-09-18 1	5:30	Jul-09-18	15:30
	Analyzed:	Jul-09-18	18:57	Jul-09-18 1	9:03	Jul-09-18 1	19:08	Jul-09-18	19:57	Jul-09-18 2	0:02	Jul-09-18 2	20:07
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		8.37	4.92	1010	4.98	11.5	5.00	4850	49.2	5060	49.6	3490	24.8
TPH by SW8015 Mod	Extracted:							Jul-08-18	10:00				
	Analyzed:							Jul-08-18	19:27				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)								<15.0	15.0				
Diesel Range Organics (DRO)								538	15.0				
Oil Range Hydrocarbons (ORO)								<15.0	15.0				
Total TPH								538	15.0				

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-(043	591157-0	944	591157-0)45	591157-)46	591157-0)47	591157-	048
Analysis Paguested	Field Id:	T-7 (4')	T-7 (6)	T-7 (8))	AH-8 (0	-1')	AH-8 (1-1	.5')	AH-8 (2-2	2.5')
Analysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 0	00:00	Jul-02-18	00:00	Jul-02-18 0	00:00	Jul-02-18	00:00
BTEX by EPA 8021B	Extracted:		ſ					Jul-08-18 ()8:30				
	Analyzed:							Jul-08-18	9:28				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00200	0.00200				
Toluene								< 0.00200	0.00200				
Ethylbenzene								< 0.00200	0.00200				
m,p-Xylenes								< 0.00401	0.00401				
o-Xylene								< 0.00200	0.00200				
Total Xylenes								< 0.00200	0.00200				
Total BTEX								< 0.00200	0.00200				
Chloride by EPA 300	Extracted:	Jul-09-18	15:30	Jul-09-18 1	5:30	Jul-09-18 1	5:30	Jul-09-18	5:30	Jul-09-18 1	5:30	Jul-09-18	15:30
	Analyzed:	Jul-09-18	19:40	Jul-09-18 2	0:13	Jul-09-18 2	0:29	Jul-09-18 2	20:34	Jul-09-18 2	20:40	Jul-09-18 2	20:45
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		219	4.94	54.1	4.91	427	4.90	4070	24.9	4590	50.0	5470	49.1
TPH by SW8015 Mod	Extracted:							Jul-08-18	0:00				
	Analyzed:							Jul-08-18	9:46				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)								<15.0	15.0				
Diesel Range Organics (DRO)								653	15.0				
Oil Range Hydrocarbons (ORO)								<15.0	15.0				
Total TPH								653	15.0				

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0)49	591157-0)50	591157-0)51	591157-0)52	591157-0)53	591157-	054
Analysis Paguastad	Field Id:	AH-8 (3-3	3.5')	AH-9 (0-	·1')	AH-9 (1-1	1.5')	AH-9 (2-2	2.5')	AH-9 (3-3	3.5')	AH-10 (0	0-1')
Analysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18 0	00:00	Jul-02-18 (00:00	Jul-02-18 0	00:00	Jul-02-18	00:00
BTEX by EPA 8021B	Extracted:		ſ	Jul-08-18 0	08:30					1		Jul-08-18	08:30
	Analyzed:			Jul-08-18 2	20:22							Jul-08-18	19:46
	Units/RL:			mg/kg	RL							mg/kg	RL
Benzene				< 0.00200	0.00200							<0.00199	0.00199
Toluene				< 0.00200	0.00200							< 0.00199	0.00199
Ethylbenzene				0.00746	0.00200							0.00346	0.00199
m,p-Xylenes				0.0808	0.00399							0.0603	0.00398
o-Xylene					0.00200							0.00713	0.00199
Total Xylenes				0.0921	0.00200							0.0674	0.00199
Total BTEX				0.0996	0.00200							0.0709	0.00199
Chloride by EPA 300	Extracted:	Jul-09-18 1	15:30	Jul-09-18 1	5:30	Jul-09-18 1	5:30	Jul-09-18 1	5:30	Jul-09-18 1	5:30	Jul-09-18	15:30
	Analyzed:	Jul-09-18 2	20:51	Jul-09-18 2	21:18	Jul-09-18 2	21:34	Jul-09-18 2	21:39	Jul-09-18 2	1:45	Jul-09-18	21:50
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1540	24.9	3140	25.0	4400	49.5	7250	49.8	4960	49.6	3340	24.9
TPH by SW8015 Mod	Extracted:			Jul-08-18 1	0:00	Jul-13-18 0	07:00					Jul-07-18	11:00
	Analyzed:			Jul-08-18 2	20:06	Jul-13-18 0	9:42					Jul-08-18	09:09
	Units/RL:			mg/kg	RL	mg/kg	RL					mg/kg	RL
Gasoline Range Hydrocarbons (GRO)				224	74.9	<15.0	15.0					104	74.9
Diesel Range Organics (DRO)				13000	74.9	237	15.0					8530	74.9
Oil Range Hydrocarbons (ORO)				89.8	74.9	<15.0	15.0					147	74.9
Total TPH				13300	74.9	237	15.0					8780	74.9

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

Huns Arah

Kelsey Brooks Project Manager



Lea County, NM

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 591157

Tetra Tech- Midland, Midland, TX Project Name: Rattle Snake Reuse Pit



Date Received in Lab: Tue Jul-03-18 09:41 am Report Date: 16-JUL-18 Project Manager: Kelsey Brooks

	Lab Id:	591157-0	55	591157-(056	591157-0	57		
Analysis Paguested	Field Id:	AH-10 (1-	AH-10 (1-1.5')		2.5')	AH-10 (3-3	3.5')		
Analysis Kequestea	Depth:								
	Matrix:	SOIL	SOIL			SOIL			
	Sampled:	Jul-02-18 0	0:00	Jul-02-18 (00:00	Jul-02-18 0	0:00		
Chloride by EPA 300	Extracted:	Jul-09-18 1	5:30	Jul-09-18 1	15:30	Jul-09-18 1	5:30		
	Analyzed:	Jul-09-18 2	1:55	Jul-09-18 2	22:01	Jul-09-18 2	2:06		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		4850	49.0	6140	49.9	4000	24.9		
TPH by SW8015 Mod	Extracted:	Jul-13-18 0	7:00						
	Analyzed:	Jul-13-18 1	0:41						
	Units/RL:	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0						
Diesel Range Organics (DRO)		143	15.0						
Oil Range Hydrocarbons (ORO)		<15.0	15.0						
Total TPH		143	15.0						

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

Huns Arah

Kelsey Brooks Project Manager



Flagging Criteria



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

SMP Clie	nt Sample	BLK	Method Blank	
BKS/LCS	Blank Spike/Laboratory Control Sample	BKSD/LCSD	Blank Spike Duplicate/Laboration	atory Control Sample Duplicate
MD/SD	Method Duplicate/Sample Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Project Name: Rattle Snake Reuse Pit

Work Or	rders: 59115	7, Samula 501157 054 / SMD	Data	Project ID:	212C-MD-0	01300				
Lao Balch	#: 5055925	Deta Analyzed: 07/08/18 00:00								
	mg/kg	Date Analyzed: 07/08/18 09:09	SUKKUGATE RECOVERY STUDY							
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
		Analytes	102			70 105				
T-Chlorooct	tane		103	99.8	103	70-135				
o-Terpheny	1 2055709	Sec. 1. 501157.001 / SMD	64.4	49.9	129	70-135				
Lab Batch	#: 3033798	Sample: 591157-0017 SMP	Batc	n: 1 Matrix:	: 5011					
Units:	mg/kg	Date Analyzed: 07/08/18 14:58	SU	RROGATE R	ECOVERY	STUDY				
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluoro	obenzene		0.0280	0.0300	93	70-130				
4-Bromoflu	orobenzene		0.0276	0.0300	92	70-130				
Lab Batch	#: 3055798	Sample: 591157-009 / SMP	Batcl	h: 1 Matrix:	: Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 15:16	SURROGATE RECOVERY STUDY							
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
		Analytes			[D]					
1,4-Difluoro	obenzene		0.0337	0.0300	112	70-130				
4-Bromoflu	orobenzene		0.0252	0.0300	84	70-130				
Lab Batch	#: 3055798	Sample: 591157-015 / SMP	Batcl	h: 1 Matrix:	: Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 15:34	SU	RROGATE R	ECOVERY	STUDY				
	ВТЕХ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluoro	obenzene		0.0379	0.0300	126	70-130				
4-Bromoflu	orobenzene		0.0262	0.0300	87	70-130				
Lab Batch	#: 3055798	Sample: 591157-022 / SMP	Batcl	h: 1 Matrix:	Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 15:52	SU	RROGATE R	ECOVERYS	STUDY				
	ВТЕХ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluoro	obenzene		0.0213	0.0300	71	70-130				
4-Bromoflu	orobenzene		0.0249	0.0300	83	70-130				

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Or	ders : 59115	7,		Project ID:	212C-MD-0	01300			
Lab Batch	#: 3055798	Sample: 591157-028 / SMP	Batch: 1 Matrix: Soil						
Units:	mg/kg	Date Analyzed: 07/08/18 16:10	SURROGATE RECOVERY STUDY						
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1 4-Difluor	benzene	Anarytes	0.0257	0.0300	110	70.120]		
4-Bromoflue	orobenzene		0.0337	0.0300	82	70-130			
Lab Batch	#• 3055798	Sample: 591157-034 / SMP	Batch	• 1 Matrix		70-130			
Units:	mg/kg	Date Analyzed: 07/08/18 16:28	SU	RROGATE R	ECOVERY S	STUDY			
	ВТЕХ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1.4-Difluoro	benzene		0.0297	0.0300	99	70-130]		
4-Bromoflue	orobenzene		0.0251	0.0300	84	70-130			
Lab Batch	#: 3055931	Sample: 591157-001 / SMP	Batch	1 Matrix	: Soil	10 150			
Units:	mg/kg	Date Analyzed: 07/08/18 17:31	SURROGATE RECOVERY STUDY						
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
1-Chlorooct	ane		98.2	99.6	99	70-135			
o-Terphenyl	l		56.9	49.8	114	70-135			
Lab Batch	#: 3055931	Sample: 591157-009 / SMP	Batch	1 Matrix	: Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 17:50	SU	RROGATE R	ECOVERY	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	ane		98.3	99.9	98	70-135			
o-Terphenyl	1		51.0	50.0	102	70-135			
Lab Batch	#: 3055931	Sample: 591157-015 / SMP	Batch	1 Matrix	: Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 18:09	SU	RROGATE R	ECOVERY	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	ane		101	100	101	70-135			
o-Terphenyl	l		51.8	50.0	104	70-135			

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Or	ders: 59115	7, Samula: 501157-022 / SMD	Data	Project ID:	212C-MD-0	01300				
Lab Batch	#: 5055951	Sample: 591157-0227 SMP								
Units:	mg/kg	Date Analyzed: 07/08/18 18:29	SURROGATE RECOVERY STUDY							
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1.011		Analytes	07.4	100		50.105				
1-Chlorooct	ane		95.4	100	95	70-135				
o-Terphenyl	H. 2055021	Sec. 501157.029 / SMD	50.3	50.0	101	70-135				
Lab Batch	#: 3055951	Sample: 591157-0287 SMP	Batc	n: 1 Matrix	: 5011					
Units:	mg/kg	Date Analyzed: 07/08/18 18:48	SU	RROGATE R	ECOVERY S	STUDY				
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooct	ane		93.6	99.7	94	70-135				
o-Terphenyl	1		53.3	49.9	107	70-135				
Lab Batch	#: 3055931	Sample: 591157-034 / SMP	Batcl	h: 1 Matrix	: Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 19:07	SURROGATE RECOVERY STUDY							
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
		Analytes			[D]					
1-Chlorooct	ane		96.9	99.7	97	70-135				
o-Terphenyl	1		55.1	49.9	110	70-135				
Lab Batch	#: 3055801	Sample: 591157-040 / SMP	Batcl	h: 1 Matrix	: Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 19:10	SU	RROGATE R	ECOVERY S	STUDY				
	втех	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluoro	obenzene		0.0388	0.0300	129	70-130				
4-Bromoflue	orobenzene		0.0269	0.0300	90	70-130				
Lab Batch	#: 3055931	Sample: 591157-040 / SMP	Batcl	h: 1 Matrix	: Soil					
Units:	mg/kg	Date Analyzed: 07/08/18 19:27	SU	RROGATE R	ECOVERY S	STUDY				
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooct	ane		107	99.9	107	70-135				
o-Terphenyl	1		61.1	50.0	122	70-135				

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work O	rders : 59115	7,		Project ID:	212C-MD-0	1300			
Lab Batch	#: 3055801	Sample: 591157-0467 SMP							
Units:	mg/kg	Date Analyzed: 07/08/18 19:28	SUF	RROGATE RI	ECOVERY S	STUDY			
	втех	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes							
1,4-Difluor	obenzene		0.0314	0.0300	105	70-130			
4-Bromoflu	iorobenzene		0.0260	0.0300	87	70-130			
Lab Batch	#: 3055931	Sample: 591157-046 / SMP	Batch	: 1 Matrix:	Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 19:46	SUF	RROGATE RI	ECOVERYS	STUDY			
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	tane		97.8	99.8	98	70-135			
o-Terpheny	/1		58.3	49.9	117	70-135			
Lab Batch	#: 3055801	Sample: 591157-054 / SMP	Batch	: 1 Matrix:	Soil	10 155			
Units:	mg/kg	Date Analyzed: 07/08/18 19:46	SUBDOCATE DECOVERY STUDY						
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
1,4-Difluor	obenzene		0.0213	0.0300	71	70-130			
4-Bromoflu	orobenzene		0.0272	0.0300	91	70-130			
Lab Batch	#: 3055931	Sample: 591157-050 / SMP	Batch	: 1 Matrix:	Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 20:06	SUF	RROGATE RI	ECOVERY S	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	tane		106	99.8	106	70-135			
o-Terpheny	rl		49.4	49.9	99	70-135			
Lab Batch	#: 3055801	Sample: 591157-050 / SMP	Batch	: 1 Matrix:	Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 20:22	SUF	RROGATE RI	ECOVERY S	STUDY			
	BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluor	obenzene		0.0320	0.0300	107	70-130			
4-Bromoflu	orobenzene		0.0340	0.0300	113	70-130			

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Or	rders: 59115	7, Secondar 501157 051 (SMD	D - 4 - 1	Project ID:	212C-MD-0	01300				
Lab Balch	#: 5050558	Date Applyrad: 07/12/18 00:42								
Units:	mg/kg	Date Analyzed: 07/13/18 09:42	SU	RROGATE R	ECOVERY	STUDY				
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooct	tane		128	99.9	128	70-135				
o-Terpheny	1		64.9	50.0	130	70-135				
Lab Batch	#: 3056558	Sample: 591157-055 / SMP	Batcl	h: 1 Matrix	: Soil					
Units:	mg/kg	Date Analyzed: 07/13/18 10:41	SU	RROGATE R	ECOVERYS	STUDY				
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1 Chlorooct	tana	Anaryus	119	00.7	110	70.125				
o-Terpheny	1		63.0	99.7	110	70-135				
Lab Batch	#• 3055923	Sample: 7658082-1-BLK / 1	BLK Batel	^{49.9} h• 1 Matrix	• Solid	70-135				
Lub Duten Units:	mg/kg	Date Analyzed: 07/07/18 19:02				OTUDY				
	gg		50	KRUGAIE K	ECUVERI	SIUDI				
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
		Analytes			[D]					
1-Chlorooct	tane		99.8	100	100	70-135				
o-Terpheny	1		53.9	50.0	108	70-135				
Lab Batch	#: 3055798	Sample: 7658000-1-BLK / 1	BLK Batcl	h: 1 Matrix	: Solid					
Units:	mg/kg	Date Analyzed: 07/08/18 09:51	SU	RROGATE R	ECOVERY	STUDY				
	втех	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluor	obenzene		0.0322	0.0300	107	70-130				
4-Bromoflu	orobenzene		0.0218	0.0300	73	70-130				
Lab Batch	#: 3055931	Sample: 7658088-1-BLK / 1	BLK Batcl	h: 1 Matrix	: Solid					
Units:	mg/kg	Date Analyzed: 07/08/18 11:36	SU	RROGATE R	ECOVERYS	STUDY				
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooct	tane		97.6	100	98	70-135				
o-Terpheny	1		52.4	50.0	105	70-135				

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work O	rders: 59115	7, Samular 7658002 1 BLK /	Project ID: 212C-MD-01300						
Lab Batch	#: 5055801	Date Applyzed: 07/08/18 18:25							
Units:	mg/kg	Date Analyzeu: 07/08/18 18.55	SU	RROGATE R	ECOVERY	STUDY			
	BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			נשן				
1,4-Difluor	obenzene		0.0366	0.0300	122	70-130			
4-Bromoflu	orobenzene		0.0337	0.0300	112	70-130			
Lab Batch	#: 3056558	Sample: /658383-1-BLK/	BLK Batch	n: 1 Matrix	: Solid				
Units:	mg/kg	Date Analyzed: 07/13/18 08:44	SU	RROGATE R	ECOVERY S	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	tane		111	100	111	70-135			
o-Terpheny	1		60.0	50.0	120	70-135			
Lab Batch	#: 3055923	Sample: 7658082-1-BKS /	BKS Batch	n: 1 Matrix	: Solid	10 155			
Units:	mg/kg	Date Analyzed: 07/07/18 19:22	SURROGATE RECOVERY STUDY						
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			נטן				
1-Chlorooc	tane		119	100	119	70-135			
o-Terpheny	1		57.7	50.0	115	70-135			
Lab Batch	#: 3055798	Sample: 7658000-1-BKS / 1	BKS Batch	n: 1 Matrix	: Solid				
Units:	mg/kg	Date Analyzed: 07/08/18 08:22	SU	RROGATE R	ECOVERY S	STUDY			
	BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluor	obenzene		0.0272	0.0300	91	70-130			
4-Bromoflu	orobenzene		0.0256	0.0300	85	70-130			
Lab Batch	#: 3055931	Sample: 7658088-1-BKS /	BKS Batch	n: 1 Matrix	: Solid				
Units:	mg/kg	Date Analyzed: 07/08/18 11:56	SU	RROGATE R	ECOVERY S	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooc	tane		122	100	122	70-135			
o-Terpheny	1		55.4	50.0	111	70-135			

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Or Lab Batch	r ders : 59115	7, Sample: 7658002-1-BKS /	Project ID: 212C-MD-01300 S/BKS Batch: 1 Matrix: Solid						
Units:	mg/kg	Date Analyzed: 07/08/18 17:04			FCOVERV	STUDV			
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
1 4 Difluor	ahanzana	Analytes	0.0260	0.0200	[2]	70.120			
1,4-Dilluon	orohonzono		0.0269	0.0300	90	70-130			
I ob Poteb	#• 3056558	Sample: 7658383 1 BKS /	0.0227 BKS Potch	0.0300	/0 Solid	/0-130			
Lab Daten	#: 3030338 mσ/kσ	Date Analyzed: 07/13/18 09:03]		
Cinto.	mg/kg	Date Analyzed. 0713/10 09.05	50	KKUGAIE K	LCOVERY	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	tane	-	124	100	124	70-135			
o-Terpheny	1		55.6	50.0	111	70-135			
Lab Batch	#: 3055923	Sample: 7658082-1-BSD /	BSD Batch	n: 1 Matrix:	Solid				
Units:	mg/kg	Date Analyzed: 07/07/18 19:41	SURROGATE RECOVERY STUDY						
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes							
1-Chlorooct	tane		122	100	122	70-135			
o-Terpheny	1	Sec. 1. 7652000 1 DSD /	56.2	50.0	112	70-135			
Lab Batch	#: 3055798	Sample: 7658000-1-BSD7	BSD Batch		Solid				
Units:	mg/kg	Date Analyzed: 07/08/18 08:40	SUI	RROGATE R	ECOVERY S	STUDY			
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluor	obenzene		0.0279	0.0300	93	70-130			
4-Bromoflu	orobenzene		0.0247	0.0300	82	70-130			
Lab Batch	#: 3055931	Sample: 7658088-1-BSD /	BSD Batch	n: 1 Matrix	: Solid				
Units:	mg/kg	Date Analyzed: 07/08/18 12:15	SU	RROGATE R	ECOVERY S	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	tane		118	100	118	70-135			
o-Terpheny	1		53.8	50.0	108	70-135			

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Or Lab Batch	ders : 59115	7, Sample: 7658002-1-BSD / 1	/ BSD Batch: 1 Matrix: Solid						
Units:	mg/kg	Date Analyzed: 07/08/18 17:22	SUI SUI	RROGATE R	ECOVERY S	STUDY			
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
1 4 Differen	- 1	Analytes	0.0255	0.0200		70.100			
1,4-Difluoro	openzene		0.0255	0.0300	85	70-130			
4-Bromonu	#. 2056558	Samela, 7659292 1 DSD / 1	0.0264	0.0300	88 . Solid	/0-130			
	#: 3030338	Sample: 7038385-1-BSD/1	SSD Batch		: 50110				
Units:	mg/kg	Date Analyzed: 07/13/18 09:23	SURROGATE RECOVERY STUDY						
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	tane		122	100	122	70-135			
o-Terpheny	1		54.6	50.0	109	70-135			
Lab Batch	#: 3055923	Sample: 591024-001 S / MS	Batch	: 1 Matrix	: Soil	10 155			
Units:	mg/kg	Date Analyzed: 07/07/18 20:20	SURROGATE RECOVERY STUDY						
TPH by SW8015 Mod			Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	ane		118	99.7	118	70-135			
o-Terpheny	1		110	/9.9	08	70-135			
Lah Batch	#• 3055798	Sample: 591031-011 S / MS		• 1 Matrix	· Soil	70-155			
Unite:	mg/kg	Data Analyzed: $07/08/18$ 08:58							
Omts.	ing/kg	Date Analyzet. 07/00/10 00.50	501	KRUGAIE K	ECOVERY	STUDY			
	BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluoro	obenzene		0.0308	0.0300	103	70-130			
4-Bromoflu	orobenzene		0.0271	0.0300	90	70-130			
Lab Batch	#: 3055931	Sample: 591031-001 S / MS	Batch	: 1 Matrix	: Soil				
Units:	mg/kg	Date Analyzed: 07/08/18 12:55	SUI	RROGATE R	ECOVERY S	STUDY			
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooct	tane		118	99.9	118	70-135			
o-Terpheny	1		53.4	50.0	107	70-135			

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work O	rders: 59115	57, Sample: 591178-001 S / M9	S Botak	Project ID	: 212C-MD-0	01300	
Lao Daten	mg/kg	Date Analyzed: 07/08/18 17:40					
Cints.	ing/kg	Date Analyzed: 07/00/1017.40	50	KRUGAIE K	LCOVERY	STUDY	
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluor	obenzene		0.0367	0.0300	122	70-130	
4-Bromoflu	ıorobenzene		0.0265	0.0300	88	70-130	
Lab Batch	#: 3056558	Sample: 591157-051 S / MS	5 Batch	n: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 07/13/18 10:02	SU	RROGATE R	ECOVERY	STUDY	
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane	Anarytes	130	00.8	130	70.135	
o-Terpheny	1		62.2	99.8	130	70-135	
Lab Batch	#: 3055923	Sample: 591024-001 SD / N	ASD Batch	1 Matrix	: Soil	70-135	
Units:	mg/kg	Date Analyzed: 07/07/18 20:40	SU		ECOVEDV	STUDY	
	88	2	50	KROGATE N			
	TPH	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes					
1-Chlorooc	etane		116	99.9	116	70-135	
o-Terpheny	/1		48.9	50.0	98	70-135	
Lab Batch	#: 3055798	Sample: 591031-011 SD / N	ASD Batch	n: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 07/08/18 09:16	SU	RROGATE R	ECOVERY	STUDY	
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluor	obenzene		0.0378	0.0300	126	70-130	
4-Bromoflu	ıorobenzene		0.0313	0.0300	104	70-130	
Lab Batch	#: 3055931	Sample: 591031-001 SD / N	ASD Batch	n: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 07/08/18 13:15	SU	RROGATE R	ECOVERY	STUDY	
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane	~	118	99.9	118	70-135	
o-Terpheny	/1		51.1	50.0	102	70-135	
L							

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Rattle Snake Reuse Pit

Work Orde	rs: 59115	7,		Project ID:	212C-MD-0	1300	
Lab Batch #:	3055801	Sample: 591178-001 SD / M	ASD Batch	n: 1 Matrix:	Soil		
Units:	mg/kg	Date Analyzed: 07/08/18 17:58	SU	RROGATE RE	ECOVERY S	STUDY	
	втех	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluoroben	izene	· ·	0.0269	0.0300	90	70-130	
4-Bromofluorob	benzene		0.0232	0.0300	77	70-130	
Lab Batch #:	3056558	Sample: 591157-051 SD / N	ASD Batcl	n: 1 Matrix:	Soil		1
Units:	mg/kg	Date Analyzed: 07/13/18 10:22	SU	RROGATE RH	ECOVERY S	STUDY	
	TPH	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane			123	99.9	123	70-135	
o-Terphenyl			56.9	50.0	114	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B





Project Name: Rattle Snake Reuse Pit

Work Order	#: 591157							Proj	ject ID: 2	212C-MD-()1300	
Analyst:	ALJ	D	ate Prepar	red: 07/08/201	18			Date A	nalyzed: (07/08/2018		
Lab Batch ID:	: 3055798 Sample: 7658000-1	-BKS	Bate	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K/BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI)Y	
Analy	BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene		<0.00200	0.100	0.104	104	0.101	0.0859	85	19	70-130	35	
Toluene		< 0.00200	0.100	0.107	107	0.101	0.0893	88	18	70-130	35	
Ethylbenzo	ene	< 0.00200	0.100	0.108	108	0.101	0.0885	88	20	70-130	35	
m,p-Xylen	les	< 0.00401	0.200	0.221	111	0.201	0.181	90	20	70-130	35	
o-Xylene		< 0.00200	0.100	0.104	104	0.101	0.0863	85	19	70-130	35	
Analyst:	ALJ	D	ate Prepar	red: 07/08/201	18			Date A	nalyzed: (07/08/2018		
Lab Batch ID:	: 3055801 Sample: 7658002-1	-BKS	Batc	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK	SPIKE /]	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	Y	
Analy	BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene		< 0.00200	0.100	0.0837	84	0.101	0.0829	82	1	70-130	35	
Toluene		< 0.00200	0.100	0.0837	84	0.101	0.0837	83	0	70-130	35	
Ethylbenzo	ene	< 0.00200	0.100	0.0839	84	0.101	0.0822	81	2	70-130	35	
m,p-Xylen	les	< 0.00401	0.200	0.173	87	0.201	0.171	85	1	70-130	35	
o-Xylene		<0.00200	0.100	0.0809	81	0.101	0.0847	84	5	70-130	35	





Project Name: Rattle Snake Reuse Pit

Work Order	:#: 591157							Pro	ject ID:	212C-MD-0	01300	
Analyst:	SCM	D	ate Prepar	ed: 07/07/201	8			Date A	nalyzed: (07/07/2018		
Lab Batch ID	: 3055789 Sample: 7657954-1	-BKS	Batcl	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
Analy	Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride		<5.00	250	250	100	250	252	101	1	90-110	20	
Analyst:	SCM	D	ate Prepar	ed: 07/07/201	8			Date A	nalyzed: (07/07/2018		
Lab Batch ID	: 3055792 Sample: 7657955-1	-BKS	Batcl	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
Analy	Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride		<5.00	250	249	100	250	248	99	0	90-110	20	
Analyst:	SCM	D	ate Prepar	ed: 07/09/201	8	1	1	Date A	nalyzed: (07/09/2018	1	
Lab Batch ID	: 3055865 Sample: 7658034-1	-BKS	Batcl	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE /]	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
Analy	Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag





Project Name: Rattle Snake Reuse Pit

Work Order	·#: 591157							Proj	ject ID: 🤇	212C-MD-0	01300	
Analyst:	SCM	D	ate Prepar	ed: 07/09/201	8			Date A	nalyzed: (07/09/2018		
Lab Batch ID	: 3055866 Sample: 7658035-1	-BKS	Batcl	n #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	DY	
Analy	Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride		<4.99	250	270	108	250	264	106	2	90-110	20	
Analyst:	ARM	D	ate Prepar	ed: 07/07/201	8	ļ	1	Date A	nalyzed: (07/07/2018	Į	ļ]
Lab Batch ID	: 3055923 Sample: 7658082-1	-BKS	Batcl	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	DY	
	TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analy	vtes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Gasoline I	Range Hydrocarbons (GRO)	<15.0	1000	1000	100	1000	991	99	1	70-135	20	
Diesel Rat	nge Organics (DRO)	<15.0	1000	1050	105	1000	1030	103	2	70-135	20	
Analyst:	ARM	D	ate Prepar	ed: 07/08/201	8	•		Date A	nalyzed: (07/08/2018	•	, , ,
Lab Batch ID	: 3055931 Sample: 7658088-1	-BKS	Batcl	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	DY	
Analy	TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline H	Range Hydrocarbons (GRO)	<15.0	1000	937	94	1000	1000	100	7	70-135	20	
		1				1	1	1				1





Project Name: Rattle Snake Reuse Pit

Work Order	#: 591157							Proj	ect ID: 2	212C-MD-0	01300	
Analyst:	ARM	D	ate Prepar	red: 07/13/201	8			Date A	nalyzed: (07/13/2018		
Lab Batch ID:	3056558 Sample: 7658383-1-	BKS	Bate	h #: 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / I	BLANK S	SPIKE DUPI	LICATE	RECOVI	ERY STUE	Y	
Arrola	TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analy	tes		[2]	[0]	[2]	[12]		[0]				
Gasoline R	Range Hydrocarbons (GRO)	<15.0	1000	986	99	1000	968	97	2	70-135	20	
Diesel Ran	age Organics (DRO)	<15.0	1000	1030	103	1000	1020	102	1	70-135	20	



Project Name: Rattle Snake Reuse Pit



Work Order # : 591157						Project II): 212C-N	MD-0130	C		
Lab Batch ID: 3055798	QC- Sample ID:	591031	-011 S	Ba	tch #:	1 Matrix	k: Soil				
Date Analyzed: 07/08/2018	Date Prepared:	07/08/2	018	An	alyst: A	ALJ					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021B	Parent Sample Result	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample Bosult [F]	Spiked Dup. %P	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	[B]	[0]	[D]	[E]	Kesut [F]	[G]	/0	70K		
Benzene	<0.00202	0.101	0.0980	97	0.100	0.0845	85	15	70-130	35	
Toluene	<0.00202	0.101	0.0955	95	0.100	0.0816	82	16	70-130	35	
Ethylbenzene	<0.00202	0.101	0.0927	92	0.100	0.0836	84	10	70-130	35	
m,p-Xylenes	<0.00403	0.202	0.192	95	0.201	0.171	85	12	70-130	35	
o-Xylene	<0.00202	0.101	0.0887	88	0.100	0.0788	79	12	70-130	35	
Lab Batch ID: 3055801	QC- Sample ID:	591178	-001 S	Ba	tch #:	1 Matrix	k: Soil				
Date Analyzed: 07/08/2018	Date Prepared:	07/08/2	018	An	alyst: A	ALJ					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021B	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]		[G]				
Benzene	<0.00200	0.100	0.0959	96	0.101	0.0722	71	28	70-130	35	
Toluene	<0.00200	0.100	0.0759	76	0.101	0.0642	64	17	70-130	35	X
Ethylbenzene	<0.00200	0.100	0.0586	59	0.101	0.0451	45	26	70-130	35	X
m,p-Xylenes	< 0.00401	0.200	0.118	59	0.201	0.0902	45	27	70-130	35	X

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

o-Xylene

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

59

0.101

0.0415

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

< 0.00200

0.100

0.0591

35

41

35

70-130

Х



Project Name: Rattle Snake Reuse Pit



Work Order # : 591157						Project II	D: 212C-1	MD-0130	C		
Lab Batch ID: 3055789	C- Sample ID:	591085	-017 S	Ba	tch #:	1 Matrix	x: Soil				
Date Analyzed: 07/07/2018	Date Prepared:	07/07/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Result	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample Bosult [F]	Spiked Dup. % P	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	[B]	[0]	[D]	[E]	Kesutt [F]	[G]	/0	701		
Chloride	<4.90	245	242	99	245	242	99	0	90-110	20	
Lab Batch ID: 3055789	C- Sample ID:	591157	-004 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed: 07/07/2018	Date Prepared:	07/07/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Chloride	14.7	249	258	98	249	257	97	0	90-110	20	
Lab Batch ID: 3055792	C- Sample ID:	591157	-017 S	Ba	tch #:	1 Matri	x: Soil				<u> </u>
Date Analyzed: 07/07/2018	Date Prepared:	07/07/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Bosult	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[U]	%к [D]	Added [E]	Kesuit [F]	%к [G]	70	%K	%KPD	
Chloride	270	247	487	88	247	486	87	0	90-110	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

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



Project Name: Rattle Snake Reuse Pit



Work Order # : 591157						Project II	D: 212C-1	MD-0130	0		
Lab Batch ID: 3055792	C- Sample ID:	591157	-025 S	Ba	tch #:	1 Matrix	x: Soil				
Date Analyzed: 07/07/2018	Date Prepared:	07/07/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Result	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample Bosult [F]	Spiked Dup. % P	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	[B]	[0]	[D]	[E]	Kesutt [F]	[G]	/0			
Chloride	195	246	426	94	246	424	93	0	90-110	20	
Lab Batch ID: 3055865	C- Sample ID:	591545	-001 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed: 07/09/2018	Date Prepared:	07/09/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		Ν	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Chloride	270	250	535	106	250	533	105	0	90-110	20	
Lab Batch ID: 3055865	C- Sample ID:	591545	-003 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed: 07/09/2018	Date Prepared:	07/09/2	018	An	alyst: S	SCM					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Posult	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Kesult [F]	%R [G]	/ [%] 0	%K	%KPD	
Chloride	148	249	409	105	249	409	105	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

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



Project Name: Rattle Snake Reuse Pit



Work Order # :	591157						Project II	D: 212C-1	MD-0130	0		
Lab Batch ID:	3055866	QC- Sample ID:	591157	-043 S	Ba	tch #:	1 Matrix	x: Soil				
Date Analyzed:	07/09/2018	Date Prepared:	07/09/2	018	An	alyst: S	SCM					
Reporting Units:	mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
	Chloride by EPA 300	Parent Sample Result	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample Besult [F]	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
	Analytes	[A]	[B]	[C]	[D]	[E]	Kesunt [F]	[G]	/0	/0K	70 KI D	
Chloride		219	247	482	106	247	478	105	1	90-110	20	
Lab Batch ID:	3055866	QC- Sample ID:	591564	-001 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed:	07/09/2018	Date Prepared:	07/09/2	018	An	alyst: S	SCM					
Reporting Units:	mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
	Chloride by EPA 300	Parent Sample Booult	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
	Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Kesuit [F]	%R [G]	% 0	%K	%RPD	
Chloride		440	247	683	98	247	682	98	0	90-110	20	
Lab Batch ID:	3055923	QC- Sample ID:	591024	-001 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed:	07/07/2018	Date Prepared:	07/07/2	018	An	alyst: A	ARM					
Reporting Units:	mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
	TPH by SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Analytes	[A]	[B]	[~]	[D]	[E]		[G]				
Gasoline Range	e Hydrocarbons (GRO)	<15.0	997	952	95	999	948	95	0	70-135	20	
Diesel Range C	Organics (DRO)	<15.0	997	1070	107	999	1060	106	1	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

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



Project Name: Rattle Snake Reuse Pit



Work Order # :	591157						Project II	D: 212C-1	MD-0130)		
Lab Batch ID:	3055931	QC- Sample ID:	591031	-001 S	Ba	tch #:	1 Matrix	x: Soil				
Date Analyzed:	07/08/2018	Date Prepared:	07/08/2	018	An	alyst: A	ARM					
Reporting Units:	mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	IKE DUPLICA	TE REC	OVERY	STUDY		
]	TPH by SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
	Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Gasoline Range	Hydrocarbons (GRO)	<15.0	999	1010	101	999	989	99	2	70-135	20	
Diesel Range Or	rganics (DRO)	<15.0	999	1050	105	999	1020	102	3	70-135	20	
Lab Batch ID:	3056558	QC- Sample ID:	591157	-051 S	Ba	tch #:	1 Matri	x: Soil				
Date Analyzed:	07/13/2018	Date Prepared:	07/13/2	018	An	alyst: A	ARM					
Reporting Units:	mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	IKE DUPLICA	TE REC	OVERY	STUDY		
[TPH by SW8015 Mod	Parent Sample Boggitt	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
	Analytes	[A]	Added [B]	[C]	%к [D]	Added [E]	Kesult [F]	%к [G]	- % 0	%K	%KPD	
Gasoline Range	Hydrocarbons (GRO)	<15.0	998	1080	108	999	996	100	8	70-135	20	
Diesel Range Or	rganics (DRO)	237	998	1290	106	999	1250	101	3	70-135	20	

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

	- torrinquisition by:	Belinguished by	Relinquished by:	Relinquished by:	1-2 T-2		-1	- -	T-I	T-1	-1	T-1		(LAB USE)	LAB #		Fu 1,0	Hecelving Laborator		Invoice to:	Project Location: (county, state)	Project Name:		đ	Analysis Kequ
	Date: Time:		- Usikerty + 7-3-(r Date: Time:	Date: Time:	(0-1)	(12)	(10)	(8')	(6')	(4')	(2')	(1')	(0-1')		SAMPLE IDENTIFICATION		n Deeper samples if benzene exceeds 10 mg/kg or tots 00 mg/kg	y: Xenco	EOG		Lea County, New Mexico	Rattle Snake Reuse Pit	EOG	Tetra Tech, Inc.	lest of Chain of Custody Record
ORIGINAL COPY	Received by:		Alle The	Rec <u>rived</u> by:	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	DATE	YEAR: 2018	SAMPLING	al BTEX exceeds 50 m	Sampler Signature:			Project #:		Site Manager:		
	Date: Time:	C Date: 11me:	1/3/18/	A Date: Time:		X	x	×	×	×	x	X X	X	WATER SOIL HCL HNO ₃ ICE None		MATRIX PRESERVATIVE METHOD	y/kg. Run deeper samples if T	Mike Carmona			212C-MD-01300		Clair Gonzales	4000 N. Big Spring Street, Ste 401 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
(Cire		San	941	1 Z	-1 Z X	1 2	1 Z	-1 Z	-1 Z	-1 Z	-1 Z	1 N	1 N X	# CONTA FILTEREI BTEX 802	.inef D (Y/ 21B	ns N) BTE>	PH exceeds								
Sircle) HAND DELIVERED FEDEX UPS Tracking #:	Special Report Limits or TRRP Report	ample Temperature RUSH: Same Day 24 hr 48 hr 72 hr						× ;		× >	· · · · · · · · · · · · · · · · · · ·	× 3		TPH TX10 TPH TX10 TPH 8015 PAH 8270 Total Meta TCLP Meta TCLP Vola TCLP Sem RCI GC/MS Vo GC/MS Vo GC/MS Se PCB's 808 NORM PLM (Asbe Chloride Chloride General W Anion/Catio	21B 005 (M ((0C Is Ag als Ag tiles i Vol 1. 82 mi. V 2 / 6 stos) Sull 'ater on B	BIEX Ext to (GRO - I As Ba g As Ba g As Ba atiles 60B / C iol. 827 008	 8260B C35) DRO - OI Cd Cr P a Cd Cr F a Cd Cr F 524 70C/625 TDS istry (see 	RO) b Se Hg b Se H	g g ed lis	st)		(Circle or Specify Method No.)	ANALYSIS REQUEST	591157	Page 1 of
											╧	Page	1	Hold					Fin						თ

Analysis Request	of Chain of Custody Record												Ū	ADE			0	Ĵ.		מ	
F	Tetra Tech, Inc.		4000 N. Big 401 Mid Tel (4 Fax (4	9 Spring Street, Ste and, Texas 79705 32) 682-4559 32) 682-3946				ות	0	=	\mathbf{n}	パー	+ 1	1	,						
Client Name:	EOG	Site Manager:	Clair Gona	zales					Ž	sigt 1	R	<u>ë</u>	ES]								
Project Name:	Rattle Snake Reuse Pit							 	– Չ – ა	- pec	_	- Me	- Ś	<u>ă</u>	- <mark>8</mark>	_					
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-N	AD-01300																1.001	
Invoice to:	EOG							ļ							ad list)	su iist)				Final	
Receiving Laboratory:	Xenco	Sampler Signature:	Mike C	armona		21	Se Ha	Se Hg							attach	anauri					
Comments: Run Di 1,000 r	eeper samples if benzene exceeds 10 mg/kg or total B mg/kg	TEX exceeds 50 m	g/kg. Run deepe	r samples if TP	1 exceeds	8260B 35) 30 - OB	d Cr Ph	Cd Cr Pt		4	C/625	,			DS	, y (See					
		SAMPLING	MATRIX	PRESERVATIVE	rs N)	BTEX Ext to C	As Ba	g As Ba	atiles	60B / 6	ol. 827	08)		ate	alance					
LAB #	SAMPLE IDENTIFICATION	YEAR: 2018	R		AINEF)21B 1005 (E	OC als An	tals Ag	mi Vola	ol. 82	emi. V	082 / 60	estos)		Sulf Nater	tion Ba					
(LAB USE ONLY)		DATE	WATEI SOIL	HCL HNO ₃ ICE None	# CONT	TEX 80	PAH 827	CLP Me	CLP Se	AC/MS V	C/MS S	IORM	LM (Ast	hloride	hloride	nion/Ca				ora of 42	// -1 L
T-2 (2')		7/2/2018	×	×	-1 Z			1		- T	0		F	× [0		A		+	+	37 7	5,0
T-2 (4')		7/2/2018	×	×	-1 Z					+				× [;	+	+		+	+	age	aye
T-2 (6')		7/2/2018	×	×	1 N							\rightarrow	-+	×		+		_	-+		ſ
T-2 (8')		7/2/2018	×	×	1 N					-		-+		×	-+	+			+		
1-3 (0-	1)	7/2/2018	×	×	-1 Z	×								×							
1-3 (1)		7/2/2018	×	×	<u>-1</u> Z									×							
1-3 (2')		7/2/2018	×	×	1 Z	<u> </u>		 				-		×							
T-3 (6')		7/2/2018	< ×	××	z		1							×	+			-			
T-3 (8')		7/2/2018	××	× >	-1 - Z Z					_				××							
Topology.	bate ime:	Received by:	W 7/	^{ite: Time:} ろん8 04	Ϋ́Υ	LAE	B USE	π	M	S] KS	AN		õ	ļ	ŀ	ł	F	⊦	⊦	[
Pelinquished by:	Date: Time:	Received by:	Da	ite: Time:		Sample Te	amperatu	6]	NSH	Sa	me [Jay	24 F	۲۲ 4	.8 hr	72	hr			
Pelinquished by:	Date: Time:	Received by:	Da	te: Time:		8 0	No. a			ipecia	l Rep	yes A	imits	rized or T	RRP	Rep	ort				
					<u> </u>	Circle) H	AND DE	LIVERE	DFE	DEX	UPS	Tra	ucking	*						┸	

		Relinguished by:	remiquistied by.	Krsk	Helinquisped by:			1									(LAB USE)	LAB #		Comments:	Heceiving Labora	Invoice to:	(county, state)		Project Name	Client Name:	(F)	Analysis Re
		Date: Timo.	Date: Time:	-lonkershit 7-3-18	Λ , Date: Time:	-5 (2')	-5 (1')	-5 (0-1')	4 (8')	⁻ -4 (6')	4 (4')	-4 (2')	I-4 (1')	[-4 (0-1)]	I-3 (10)			SAMPLE IDENTIFICATION		Run Deeper samples if benzene exceeds 10 mg/kg or total 1,000 mg/kg	tory: Xenco	EOG	Lea County, New Mexico	Rattle Snake Reuse Pit	пСа		Tetra Tech, Inc.	quest of Chain of Custody Record
ORIGINAL COP	Heceived by:		Réceïved by:	1mul	Received by:	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	7/2/2018	D	ATE	YEAR: 2018	SAMPLING	BTEX exceeds 50 m	Sampler Signature:		Project #:			Site Manager:		
Ŷ	Date		Date	lel 7/31	Date	×	×	×	×	×	×	×	×	×	×	W SC	ATER OIL		MATRIX	ıg/kg. Run deeper	Mike Ca		212C-MI		Clair Gonza		4000 N. Big S 401 Midlan Tel (432 Fax (432	
	a: Time:		9: Time:	10 can	e: Time:	×	×	×	×	×	×	×	×	×	×	HI IC No	NO ₃ E one		PRESERVATIVE	samples if TPH e	rmona		D-01300		ales		Spring Street, Ste nd,Texas 79705 2) 682-3946	
5						⊐ Z	1 Z	- <u>1</u> Z	1 N	⊐ Z	 Z	1 N	1 N	1 Z	1 Z	# C FIL		INEF D (Y/	RS N)	xceeds								
Circle) MAND DEL	20	0,0/0,0	sample Temperatu	ONLY				×						×		BTI TPI TPI PAI	EX 802 H TX10 H 8015 H 8270 tal Meta	21B 005 (M (0 IC Is Aq	BTE Ext to GRO -	X 8260B C35) DRO - OI	RO) Se Hi							
JVEHED FEDED	Spe	Rus			REMARKS											TCI TCI TCI RCI	LP Meta LP Vola LP Sem I	als A tiles i Vol	g As E atiles	3a Cd Cr F	b Se H	9			ANALYS		51	
CUPS Trackin	cial Report Limit	h Charges Auth	H: Same Day	STANDARD												GC GC PCE NO	/MS Vo /MS Se B's 808 RM M (Asbe	I. 82 mi. V 2 / 6	60B / ol. 82	624 270C/625	******		** <u>***********************************</u>		SIS REQUES			-77
יין 9r אין 10 #:	ts or TRRP Rep	orized	24 hr 48 hr			<	× ;	× ;	×	× ;	× ;	×	×	×	×	Chlo Chlo Ger Anio	oride oride neral W on/Cati	Sull ater	fate Cherr alanci	TDS histry (see	attach	ed list)	 	ï	K -	ר ע ע	age
	ort		72 hr													Hol											L	З of
<u> </u>						<u> </u>	I					ļ.		Pag	e 38	3 of	42					Fina	11.00	1				თ

Hattle Snake Heuse Pit Project X: 212C-MD-01 wolve to: EOG Sample: Synaure: 212C-MD-01 rearring Laboratory: EOG Sample: Synaure: Mike Carmonic Bun Degler samples if benzene exceeds 10 mg/kg or total BTEX exceeds 50 mg/kg. Run deeper samples Mike Carmonic 1,000 mg/kg SAMPLE IDENTIFICATION EDG Mike Carmonic Mike Carmonic LAB # SAMPLE IDENTIFICATION EDG Mike Carmonic Mike Carmonic Usa vsi: 17-5 (#) 17-5 (#) 7/22018 Mike Carmonic Mike Carmonic Usa vsi: 17-6 (#) 17-5 (#) 7/22018 Mike Carmonic Mike Carmonic 17-5 (#) 17-6 (#) 17-22018 X H X H 17-6 (#) 17-22018 X X H X H X H 17-7 (0-1) Date: Time: Received by: Date: Time: Received by: Date: Date: Date: Time: Received by: Date: Date: K H	Analysis Reque	Tetra Tech, Inc.	Site Manager:	4000 N. Bi 401 Mid Fei (Fax (g Spring St Illand, Texas 432) 682-45 432) 682-39 ZaleS	reet, Ste 79705 59		
EOG Sample Signature: Mite Carmor mark Run Deeper samples if benzene exceeds 10 mg/kg or total BTEX exceeds 50 mg/kg. Run deeper sam 1,000 mg/kg SAMPLE IDENTIFICATION Martnix President ILITE SAMPLE IDENTIFICATION Total Transition End to the secret stom mg/kg. Run deeper sam ILITE SAMPLE IDENTIFICATION Total Transition End to the secret stom mg/kg. Run deeper sam ILITE SAMPLE IDENTIFICATION Total Total Transition Run deeper sam ILITE SAMPLE IDENTIFICATION Total <	Location: r, state) to:	Lea County, New Mexico	Project #:	212C-I	MD-013	8		
Xenco Yearno Yearno Mike Carmo Hun Deeper samples if benzene exceeds 10 mg/kg or total BTEX exceeds 50 mg/kg. Ture Carmo	ceiving Laboratory:		0					
Ann Deeper samples if benzene exceeds 10 mg/kg or total BTEX exceeds 50 mg/kg. Fun deeper sa SAMPLE IDENTIFICATION SAMPLING MATRIX P LAB # SAMPLE IDENTIFICATION SAMPLING MATRIX MATRIX <th <="" colspan="2" td=""><td>eceiving Laboratory:</td><td>Xenco</td><td>Sampler Signature:</td><td>Mike C</td><td>arm</td><td>iona</td></th>	<td>eceiving Laboratory:</td> <td>Xenco</td> <td>Sampler Signature:</td> <td>Mike C</td> <td>arm</td> <td>iona</td>		eceiving Laboratory:	Xenco	Sampler Signature:	Mike C	arm	iona
LAB # only SAMPLE IDENTIFICATION TEAL MATRIX MATRIX MATRIX LAB use only T-5 (4) T-5 (6) TE ME EDENTIFICATION TE TE R A	Comments: Run 1,00	Deeper samples if benzene exceeds 10 mg/kg or total E) mg/kg	TEX exceeds 50 m	3/kg. Run deepe	ers	amples if TP		
LAB # SAMPLE IDENTIFICATION TEAR: 2018 R R LAB USE T-5 (6') T			SAMPLING	MATRIX	_	PRESERVATIVE		
LAB USE T-5 (4) DAT THE Effective T-5 (6) T-5 (6) 7/2/2018 7/2/2018 X HCL T-5 (6) T-5 (6) 7/2/2018 X HCL X HCL T-6 (0-1') T-6 (1') 7/2/2018 X HCL X HCL T-6 (1') T-6 (2') 7/2/2018 X HCL X HCL T-6 (2') T-6 (8') T-7 (0-1') 7/2/2018 X HCL X HCL Inquished by: Date: Time: Floce/Fed by: Date: Time: Floce/Fed by: Date: Time: Date: Total X H Jinquished by: Date: Time: Floce/Fed by: Date: Date: Total X H Jinquished by: Date: Time: Floce/Fed by: Date:	LAB #	SAMPLE IDENTIFICATION	YEAR: 2018	3				
T-5 (4) 7/2/2018 X X T-5 (6) 7/2/2018 X X T-5 (8) 7/2/2018 X X T-6 (0-1') 7/2/2018 X X T-6 (1') 7/2/2018 X X T-6 (2') 7/2/2018 X X T-6 (4') 7/2/2018 X X T-6 (6') 7/2/2018 X X T-6 (6') 7/2/2018 X X T-6 (6') 7/2/2018 X X T-7 (0-1') Date: 7/2/2018 X X Jinquished by: Date: Time: Received by: Date:	ONLY)		DATE	WATEF SOIL	HCL	ICE None		
T-5 (6). 712/2018 X X T-5 (8) 712/2018 712/2018 X X T-6 (1') 712/2018 X X X T-6 (1') 712/2018 X X X T-6 (1') 712/2018 X X X T-6 (2') 712/2018 X X X X T-6 (4') T-6 (6') 712/2018 X X X X T-6 (2') T-6 (8') 712/2018 X <td< td=""><td>Т-5 (</td><td>")</td><td>7/2/2018</td><td>×</td><td></td><td>×</td></td<>	Т-5 (")	7/2/2018	×		×		
IT-5 (8') 7/2/2018 X I IT-6 (1') 7/2/2018 X I IT-6 (1') 7/2/2018 X I IT-6 (1') 7/2/2018 X I IT-6 (2') 7/2/2018 X I IT-6 (6') 7/2/2018 X I IT-6 (6') 7/2/2018 X I IT-6 (6') 7/2/2018 X I IT-7 (0-1') Date: 7/2/2018 X I Inquished by: Date: Time: Received by: Date: Date: Inquished by: Date: Time: Received by: Date:	T-5 (5')	7/2/2018	×		×		
T-6 (0-1') 7/2/2018 X X T-6 (1') 7/2/2018 X X T-6 (2') 7/2/2018 X X T-6 (2') 7/2/2018 X X T-6 (2') 7/2/2018 X X T-6 (6') 7/2/2018 X X T-6 (8') T-7 (0-1') 7/2/2018 X X T-7 (0-1') Date: Time: Received by: Date: Date: Jainquished by: Date: Time: Received by: Date: Date: Date: Jainquished by: Date: Time: Received by: Date: Date: Date: Jainquished by: Date: Time: Received by: Date: Date: Date: Jainquished by: Date: Time: Received by: Date:	T-5 (5')	7/2/2018	×		×		
T-6 (1) 7/2/2018 X X T-6 (2) 7/2/2018 X X T-6 (4) 7/2/2018 X X T-6 (8) 7/2/2018 X X T-6 (8) 7/2/2018 X X T-7 (0-1) Date: 7/2/2018 X X Jinquished by: Date: Time: Received by: Date: Date: Jinquished by: Date: Time: Received by: Date: Date: Date: Jinquished by: Date: Time: Received by: Date: Date	Т-6 (-1')	7/2/2018	×		×		
II-6 (2) 7/2/2018 X II-6 (6) 7/2/2018 X II-6 (6) 7/2/2018 X II-6 (8) 7/2/2018 X II-6 (8) 7/2/2018 X II-6 (8) 7/2/2018 X II-6 (8) T-6 (8) 7/2/2018 II-7 (0-1') Date: Time: Hecelved by: Date: Date: II-7 (0-1') Date: Time: II-7 (0-1') Date: Date: II-8 (2) Date: Date: II-9 (2)			7/2/2018	×		×		
I-6 (4) 7/2/2018 X T-6 (8) 7/2/2018 X I-7 (0-1') 7/2/2018 X Jinquished by: Date: Time: Meshow 7/2/2018 X Jinquished by: Date: Time: Meshow 7/2/2018 X Jinquished by: Date: Time: Meshow 7/2/2018 X Jinquished by: Date: Time: Bate: Time: Received by: Date: Jinquished by: Date: Time: Received by: Date: Jinquished by: Date: Time: Received by: Date:			7/2/2018	×		×		
Induished by: T-6 (8') Time: 7/2/2018 X X Induished by: Transition Time: Transition Transition Transition Induished by: Date: Time: Time: Received by: Date: Date: Induished by: Date: Time: Received by: Date: Date: Date: Induished by: Date: Time: Received by: Date: Date: Induished by: Date: Time: Received by: Date: Date: Induished by: Date: Time: Received by: Date: Date:	I-6 (7/2/2018	×	ļ	×		
Inquished by: Date: Time: Received by: Date: winquished by: Date: Time: Received by: Date:	T-6 ()		7/2/2018	< ×	4	××		
sinquished by: Date: Time: Received by: Date: Time: Received by: Date: Time: Received by: Date: Time: Received by: Date: Date: Time: Received by: Date: Date: Time: Received by: Date: Dat	T-7 ()	-1')	7/2/2018	× >		××		
slinquished by: Date: Time: Received by: Date: Jinquished by: Date: Time: Received by: Date: Date:	Prestor /	vale: ime:	Received by:	17 M		Time:		
slinquished by: Date: Time: Received by: Date: Date:	eiiriquisned by:	Date: Time:	Rečeived by:	D	ate:	Time:		
	inquisned by:	Date: Time:	Received by:	De	ite:	Time:		

Analysis Reques	t of Chain of Custody Record														0.1	ag	Ō	I		0	<u>o</u>	1		ი
6	Tetra Tech, Inc.		4000 N. Big 401 Midla Tel (4: Fax (4:	Spring Street, Ste and,Texas 79705 32) 682-4559 32) 682-3946					_	21	\mathcal{O}		$\overline{\mathbf{n}}$	ノヨ	111	+1	·							
Client Name:	EOG	Site Manager:	Clair Gonz	ales						žľ	2	is -		₹r	ES	-								
Project Name:	Rattle Snake Reuse Pit							- 0	- c - @	- 9	– Sp.	- č.	_ <	- 8	- Ď	- <u>0</u>		- 0	**************************************		-			
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-N	1D-01300																	•••••••			1:001
Invoice to:	EDDO																	d liet)	a 1131)					inai
Receiving Laboratory:	пуg							Hg	Hg							<u> </u>		cher				******		
C	Xenco	Sampler Signature:	Mike Ca	armona			90)	Se H	b Se									atter	anal					
Comments: Run D 1,000)eeper samples if benzene exceeds 10 mg/kg or total E mg/kg	TEX exceeds 50 mg	/kg. Run deepe	r samples if TPH	exceeds	8260B 35)	RO - OF	Cd Cr Pt	Cd Cr P	<u> </u>		24	00/025				DS	strv (see						
		SAMPLING	MATRIX	PRESERVATIVE METHOD	RS (N)	BTEX Ext to 0	GRO - I	j As Ba	g As Ba	atiles		260B / 6	01. 82)		fate	Chemi	alance					
LAB #	SAMPLE IDENTIFICATION	YEAR: 2018	R		AINEI ED (Y	021B 1005 (15M (1	tals Ag	etals A	mi Vol		(ol. 82	082 / 6		oestos		Sol	Water	tion R					
(LAB USE)		DATE	WATE SOIL	HCL HNO ₃ ICE None	# CONT	BTEX 8	PH 80	fotal Me	CLP Me	CLP Se	RCI	C/MS	CB's A	IORM	LM (Asl	hloride	hloride	ieneral	nion/C=		<u> </u>		old	or 42
T-7 (1)		7/2/2018	×	×	- Z			-		-	1			╡	- -	×		-17		Ť	+	Τ	╞	40
T-7 (2'		7/2/2018	×	×	_1 Z	\rightarrow			-	-+			+	-+		\mathbf{x}	-+'	-+	+	+	+	T	+	'ade
T-7 (4'		7/2/2018	×	×	-1 Z									+	-	×t	-++'	-+-	+	-†-		Τ	+	┷┹┍
T-7 (6'	· •	7/2/2018	×	×	1 N								-	-+	-+	×t						T	+	
N / 1		7/2/2018	×	×	_ Z											×			_			1		
		7/2/2018	×	×	⊐ Z	×	×		L					-		×								
	ן -1.5) בין כיוני	7/2/2018	×	×	_1 Z	-	_		-				-	\vdash	1	×								
AH-8 (2-3 5')	7/2/2018			_1 Z				_			-	+	+	\mathbf{T}	×	+	+	\mathbf{T}	1	1		†	1
Balinguished by	0-1')	7/2/2018	××	× >	-1 - Z Z	<u>× </u>	×		_							××	+		-1-			T		
mentioned by	teriat 7-3-18	Received by:	12 DY	$\frac{1}{3}/\ell $	141	Ę	ABU	≺ %E			RS	STA	ž I	Ă	õ	F	F	ŀ	ŀ	F	F	Γ	F	
Helinquished by:	Date: Time:	Received by:	Dat	le: Time:		Sample 2	Temp	erature			RUS	ž	San	ne E)ay	Ň	4 hr	4	8 hr	7	2 hr			
Relinquished by:	Date: Time:	Received by:	Dai	te: Time:			de-	(co ?			Spe	ri Ch	harge Repc	ont∟	imit	s or	-TR	ΆP	Rep	oont				
						Circle)	HAND	DELI	VERE		EDE)	ŝ	PS	Tra	<u>ckin</u>	g #:								_

Relinquished by: Relinquished by: Relinguished by: Project Location: Analysis Request of Chain of Custody Record Comments: (county, state) ^oroject Name: leceiving Laboratory: lient Name: voice to: LAB USE LAB # ies tox đ AH-10 (3'-3.5') AH-10 (2'-2.5') AH-9 (3'-3.5') AH-9 (2'-2.5') AH-9 (1'-1.5') Run Deeper samples if benzene exceeds 10 mg/kg or total BTEX exceeds 50 mg/kg. Run deeper samples if TPH exceeds 1,000 mg/kg AH-10 (1'-1.5') AH-10 (0-1') Xenco EOG EOG Rattle Snake Reuse Pit Lea County, New Mexico **Fetra Tech, Inc.** SAMPLE IDENTIFICATION 73418 Date: Date: Date: Time: lime: Time: Received by: Received by Receiv Sampler Signature: YEAR: 2018 Project #: Site Manager: 7/2/2018 7/2/2018 7/2/2018 7/2/2018 7/2/2018 7/2/2018 7/2/2018 DATE SAMPLING TIME WATER Clair Gonzales MATRIX × × X × × $\times \times$ SOIL 4000 N. Big Spring Street, Ste 401 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946 212C-MD-01300 Mike Carmona Date: Date: Date HCL Ś PRESERVATIVE HNO₃ B × × × × × × ICE Time: × Time: Ī None Cqu, # CONTAINERS z z Z z Z Z z FILTERED (Y/N) (Circle) HAND DELIVERED Sample Temperature × BTEX 8021B BTEX 8260B 32100 LAB USE TPH TX1005 (Ext to C35) × TPH 8015M (GRO - DRO - ORO) んじ PAH 8270C (Circle or Specify Method No.) Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles REMARKS: **ANALYSIS REQUEST** M RUSH: Same Day 24 hr TCLP Semi Volatiles Rush Charges Authorized FEDEX UPS Special Report Limits or TRRP Report RCI STANDARD GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 Tracking #: NORM Page PLM (Asbestos) × × × $\times \times$ × × Chloride Chloride Sulfate TDS 48 hr General Water Chemistry (see attached list) Anion/Cation Balance 72 hr თ 으 Hold Page 41 of 42 Final 1.00



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Tetra Tech- Midland Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 07/03/2018 09:41:00 AM Temperature Measuring device used : R8 Work Order #: 591157 Sample Receipt Checklist Comments #1 *Temperature of cooler(s)? 3.2 #2 *Shipping container in good condition? Yes

	163
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6*Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Date: 07/03/2018

Checklist completed by: Katie Lowe Checklist reviewed by: Kelsey Brooks

Date: 07/05/2018