

Cimarex – Crawford 27 26 Fee 15H  
Closure Report

February 2021  
Page 1



## CLOSURE REPORT

Property:

**Cimarex Energy Company  
Crawford 27 26 Fee 15H  
Eddy County, New Mexico  
Unit Letter "L", Section 27, Township 24 South, Range 26 East  
Latitude 32.187833, Longitude -104.288333  
nRM2033557420**

February 2021

Prepared for:

**Cimarex Energy Company  
600 N Marienfeld Street Ste. 600  
Midland, TX**

Attn: **Mr. Tell Montoya**

Prepared by:

A handwritten signature in black ink that appears to read "Thomas Franklin".

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Thomas Franklin  
Environmental Manager

A handwritten signature in black ink that appears to read "Jack Zimmerman".

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Jack Zimmerman PG, CPG  
Senior Geologist

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## CLOSURE REPORT

**Cimarex Energy Company  
Crawford 27 26 Fee 15H  
Eddy County, New Mexico  
Unit Letter "L", Section 27, Township 24 South, Range 26 East  
Latitude 32.187833, Longitude -104.288333  
nRM2033557420**

February 2021

### 1.0 INTRODUCTION

#### 1.1 Site Description & Background

American Safety Services Inc. (ASSI) has prepared this Closure Report for the Cimarex Energy Company (i.e., Cimarex) at the Crawford 27 26 Fee 15H (referred to hereinafter as the "Site" or "subject Site"). This Closure Report is based upon data collected by ASSI during December 2020 and January 2021, and the interpretation of the analytical data.

The Site is located in Unit Letter "L", Section 27, Township 24 South, Range 26 East, Eddy County, New Mexico (GPS 32.187833, -104.288333). Figures 1, 2, 3, 4, and 5 in Appendix A show the Site location.

Remedial action was conducted in accordance with the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), the New Mexico Oil Conservation Division (NMOCD), and rules under the New Mexico Administrative Code (NMAC) specifically NMAC 19.15.29 Release Notification.

#### 1.2 Project Objective

The objective of the Closure Report is to present documentation of the remedial activities that were performed at the Site to the NMOCD.

#### 1.3 Standard of Care

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

#### 1.4 Reliance

This report has been prepared for the exclusive use of Cimarex, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Cimarex and ASSI. Any unauthorized distribution or reuse is at the sole risk of Cimarex. Notwithstanding the

foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and ASSI's Agreement. The limitation of liability defined in the agreement is the aggregate limit of ASSI's liability to the client.

## 2.0 PROPOSED REMEDIAL ACTION GOALS

In accordance with the NMAC 19.15.29, ASSI utilized the general site characteristics to determine the appropriate "ranking" for the Site.

- The depth to the initial groundwater-bearing zone is less than twenty-five feet at the Site,
- The impacted area is more than 1,000 feet from a water source, and
- Distance to the nearest surface water body is greater than 1,000 feet.

Cleanup goals for soils remaining in place include: 10 milligrams per kilogram (mg/Kg) for Benzene, 50 mg/Kg for Total Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), 100 mg/Kg for Total Petroleum Hydrocarbons (TPH), and 600 mg/Kg for Chloride.

Figure 6 in Appendix A shows the location of the Site in Lea Co, New Mexico and surrounding topography.

## 3.0 INITIAL RESPONSE & SAMPLING ACTIVITIES

### 3.1 Initial Response

On December 3, 2020, ASSI personnel performed a site inspection in response to a release of seventy-five (75) barrels (bbls) of produced water. The cause of the release was due to a failure of the secondary containment which caused the release to occur directly on to the ground. Seventy-four (74) bbls of produced water were recovered. ASSI determined the release footprint was approximately six thousand two-hundred (6200) square feet of production pad.

### 3.2 Soil Sampling Activities

Initial sampling activities were conducted on December 10<sup>th</sup> by ASSI personnel, using a stainless-steel hand auger. Twenty-nine (29) auger holes (i.e., Auger Hole 1 thru 25 and North Site, South Site, East Site, and West Site) were installed at various locations collecting material at discrete intervals from surface to one and-a-half (1.5) foot below ground surface (bgs). This action was done to determine the vertical and horizontal extent of the Chloride release. Figure 3 in Appendix A shows the twenty-nine (29) sample locations of which twenty-five are within the release footprint and four are outside the release footprint. During sample collection activities soil was field screened for Chloride utilizing an electro conductivity meter. Field screening results did not exceed the NMOCDD clean-up goals for Chloride.

### 3.3 Soil Sampling Analytical Results

Seventy-nine (79) soil samples were collected during the December 10<sup>th</sup> sampling event from sample locations Auger Hole 1 thru Auger Hole 25. At each of these twenty-five (25) locations three (3) samples were collected from surface to a depth of one and one-half (1.5) bgs. Samples were collected at every half (0.5) foot interval. Four (4) samples were collected, one each from locations North Site, South Site, West Site and East Site from surface to one-half (0.5) foot bgs.

Collected samples were analyzed for Chloride. Table 1 in Appendix B presents those analytical results for Chloride. Analytical results were compared to *Table 1 of the NMAC 19.15.29.12* and show that Chloride concentrations exceed the NMOCD guidelines for clean-up goals at numerous sample locations and at various depths. Specifically, at a depth of one-half (0.5) foot bgs sample locations 1, 4, 6, 7, 13, 14, 17, 18, 20, and 21 show exceedances. Sample location 9 at a depth of one (1) foot bgs has elevated concentrations, and at a depth of one and one-half (1.5) feet bgs sample locations 2 and 10 have exceedances.

Furthermore, analytical results show that sample locations 3, 5, 8, 11, 12, 15, 16, 19, 22, 23, 24, and 25 as well as the four (4) sample locations outside the release footprint, Chloride concentrations are below the NMOCD guidelines for clean-up goals and therefore, achieve vertical delineation.

## 4.0 LABORATORY ANALYTICAL METHODS

The samples were analyzed for Chloride utilizing EPA method 300. Laboratory analysis is provided in Appendix D.

Soil was collected in laboratory prepared glassware, placed on ice, and packed in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Eurofins Xenco Laboratories in Midland, TX for a normal turn-around time on December 11, 2020 and January 12<sup>th</sup>, 14<sup>th</sup>, and 15, 2021.

## 5.0 Excavation

### 5.1 Excavation Activities

Excavation activities were conducted inside the release footprint by ASSI beginning January 11, 2021 and concluding on January 15<sup>th</sup> using mechanical (i.e., backhoe tractor) means. The excavation was conducted to establish excavation bottoms (EBs) at three (3) different depths (i.e., one-half foot, one and-a-half foot, and 2 feet) based on analytical results from the December 10, 2020 sampling event. Figure 4 in Appendix A show EB depths within the release footprint.

Sidewall (i.e., S Wall) sampling was conducted inside the release footprint on the exposed face of the excavation wall created during the EB excavation activities. Figure 5 in Appendix A show sidewall sample locations.

During excavation activities approximately three hundred sixty nine (369) cubic yards ( $\text{yd}^3$ ) of impacted material was removed from within the release footprint. The excavated impacted material was exported off the Site and transported to R360 under appropriate manifest for proper disposal.

### **5.1.1 Confirmation Soil Sampling Program**

Confirmation sampling activities were conducted on January 12<sup>th</sup> and 14<sup>th</sup> by ASSI personnel, using a stainless-steel hand auger, utilizing a grid area comprised of thirty-one (31) individual 10' X 20" cells equaling 200 sq. ft. each. Thirty-one (31) auger holes were installed within the release footprint inside the individual cells. Material was collected at one half (0.5) foot intervals below the EB. Material collected was analyzed for Chloride, TPH, and BTEX.

Vertical delineation for Chloride, TPH, and BTEX was achieved at all thirty-on (31) EB confirmation sample (CS) locations. All collected samples were below the NMOCD clean-up goals for Chloride, TPH and BTEX. Table 2 in Appendix B presents analytical results.

Horizontal delineation was achieved for Chloride, TPH, and BTEX during sampling activities conducted between January 12<sup>th</sup> and 15<sup>th</sup> by ASSI. Thirty-one (31) soil samples were collected (S Wall 1 through S Wall 31). Material collected was analyzed for Chloride, TPH, and BTEX. All collected samples were below the NMOCD clean-up goals for Chloride, TPH and BTEX. Table 2 in Appendix B presents analytical results.

Figure 5 in Appendix A show sample locations inside the release footprint during sampling activities conducted between January 12<sup>th</sup> and 15<sup>th</sup>. Soil was field screened for Chloride utilizing an electro conductivity meter during sample collection activities. Field screening results did not exceed the NMOCD clean-up goals for Chloride.

## **6.0 Closure Request**

Based upon the data collected and the Site work completed by ASSI, the constituents of concern (COCs) has been both vertically and horizontally delineated. Impacted material was removed from the excavated areas, exported offsite to a suitable disposal under appropriate manifest.

Based on the success of the response actions which are affirmed by laboratory analytical results, no additional remediation appears necessary at this time. Copies of the Initial and Final C-141 are provided in Appendix E.

ASSI, on behalf of Cimarex Energy Company (i.e., Cimarex), respectfully requests closure of the Site.



## APPENDIX A

### Figures

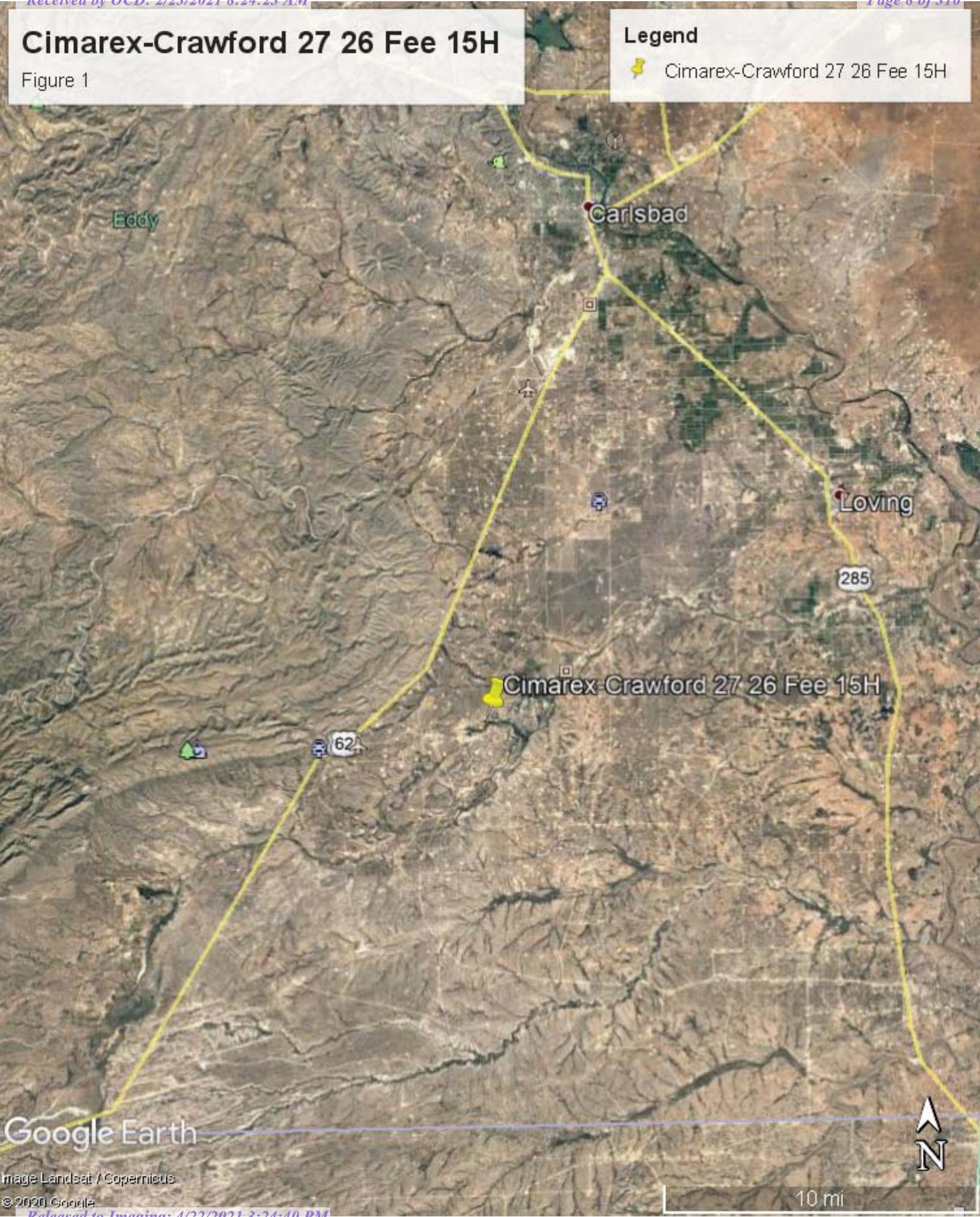
American Safety Services, Inc. (Geoscience License #50528)  
8715 Andrews Hwy. • Odessa, TX 79765. • T 432.552.7625 • [www.americansafety.net](http://www.americansafety.net)

# Cimarex-Crawford 27 26 Fee 15H

Figure 1

## Legend

Yellow polygon: Cimarex-Crawford 27 26 Fee 15H



Google Earth

Image Landsat / Copernicus

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N

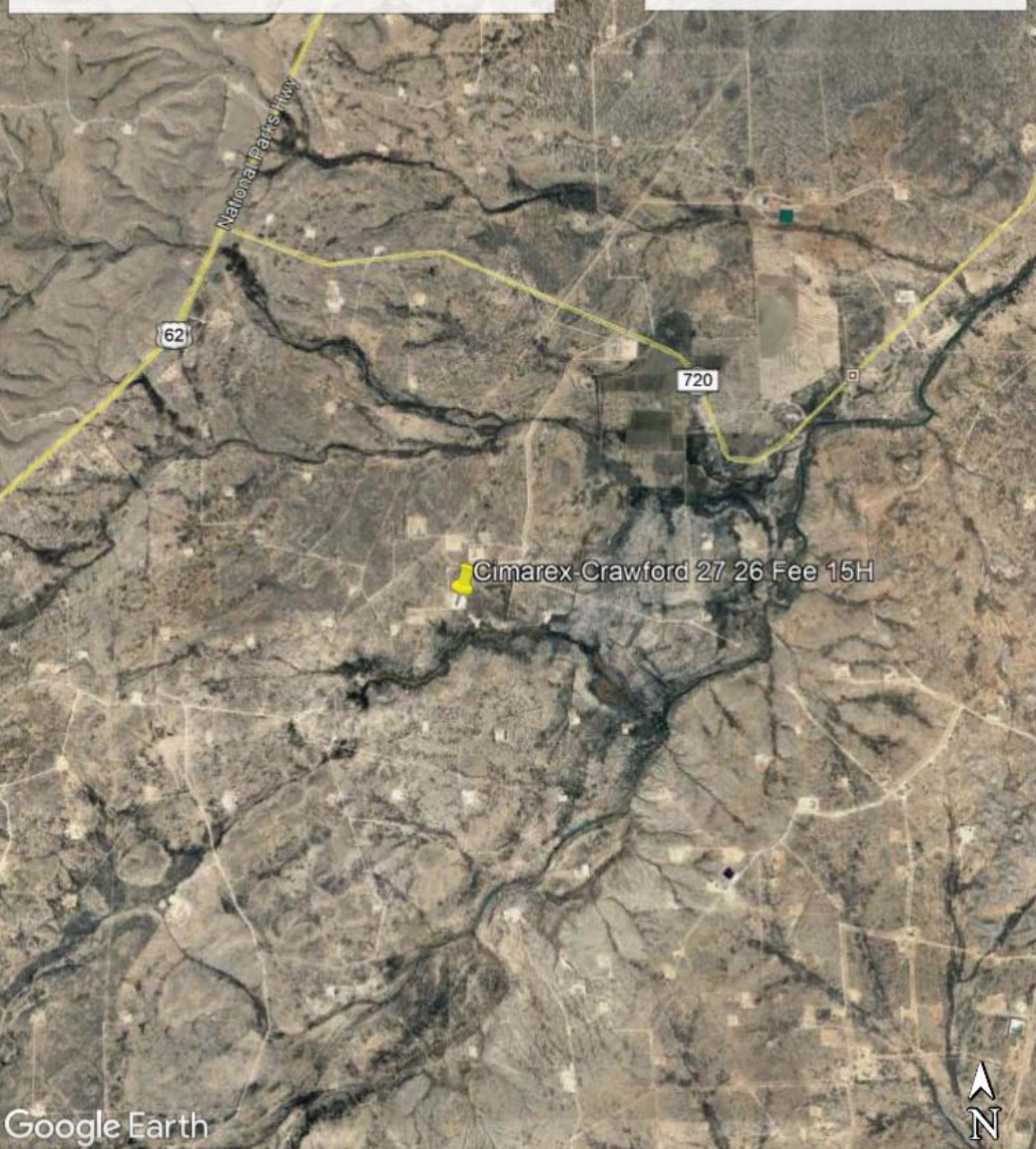
10 mi

# Cimarex-Crawford 27 26 Fee 15H

Figure 2

## Legend

-  Cimarex-Crawford 27 26 Fee 15H



Google Earth

**Cimarex-Crawford 27 26 fee 15H**

Figure 3

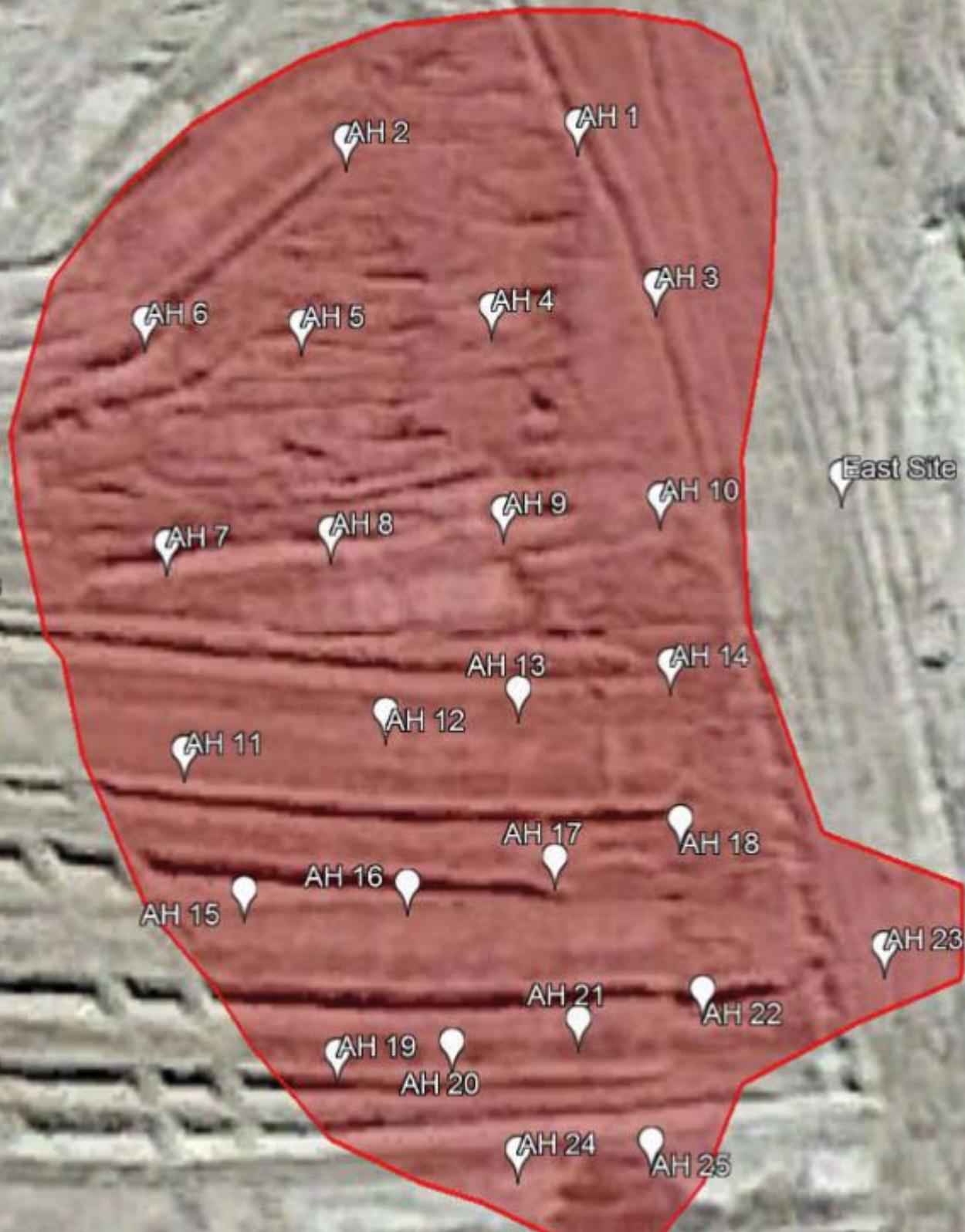
**Legend** Delineation sample location (AH) Release Footprint

North Site

South Site

East Site

West Site



N

**Cimarex-Crawford 27 26 Fee 15H**

Figure 4

**Legend**

-  0.5ft Excavated bottom
-  1.5ft Excavated bottom
-  2ft Excavated bottom



Google Earth



## Fee 15H

Figure 5

## Legend

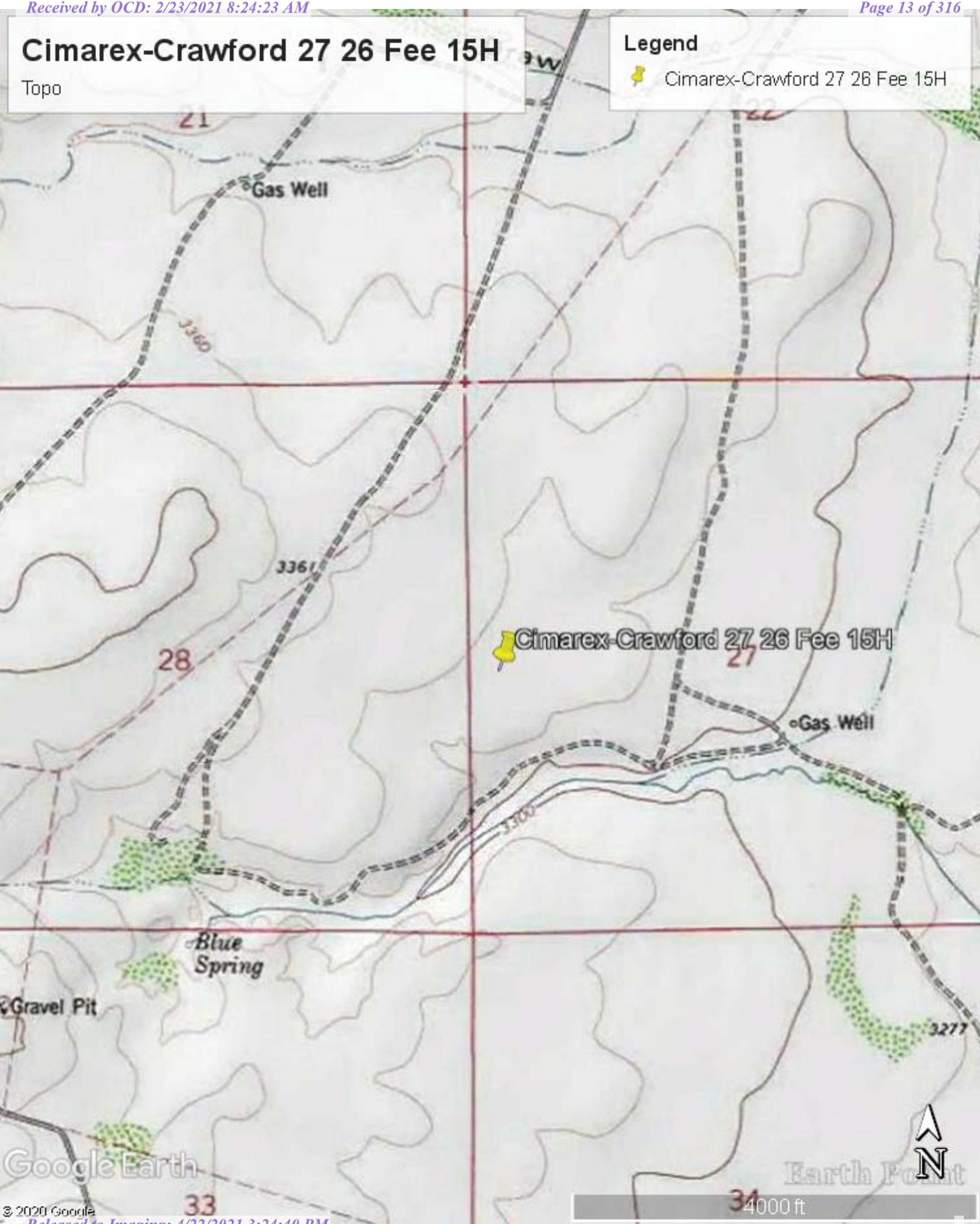
- Excavated bottom confirmation sample (CS)
- Release Footprint
- Side Wall confirmation sample (SW)



# Cimarex-Crawford 27 26 Fee 15H

Topo

## Legend

 Cimarex-Crawford 27 26 Fee 15H



## APPENDIX B

### Table's

American Safety Services, Inc. (Geoscience License #50528)  
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| TABLE 1<br>Summary of Delineation Sampling Analytical Results<br>Concentrations of Chloride in Soil<br>Cimarex Energy Co.<br>Crawford 27 26 Fee 15H<br>Eddy County, New Mexico<br>nRM203557420 |                |                        |             |                     |  |  |
|--|----------------|------------------------|-------------|---------------------|--|--|
| SAMPLE LOCATION  | SAMPLE DATE    | SAMPLE DEPTH<br>(feet) | SOIL STATUS | EPA 300             |  |  |
|  |                |                        |             | Chloride<br>(mg/kg) |  |  |
| NMAC 19.15.29  |                |                        |             | 600                 |  |  |
| <b>Delineation Sampling</b>  |                |                        |             |                     |  |  |
| Auger Hole 1   | 12/10/20 10:00 | 0 - 0.5'               | In-situ     | <b>1,480</b>        |  |  |
| Auger Hole 1   | 12/10/20 10:05 | 0.5' - 1'              | In-situ     | 207                 |  |  |
| Auger Hole 1   | 12/10/20 10:10 | 1' - 1.5'              | In-situ     | 233                 |  |  |
| Auger Hole 2   | 12/10/20 10:15 | 0 - 0.5'               | In-situ     | <b>2,000</b>        |  |  |
| Auger Hole 2   | 12/10/20 10:20 | 0.5' - 1'              | In-situ     | <b>1,830</b>        |  |  |
| Auger Hole 2   | 12/10/20 10:25 | 1' - 1.5'              | In-situ     | <b>1,580</b>        |  |  |
| Auger Hole 3   | 12/10/20 10:30 | 0 - 0.5'               | In-situ     | 173                 |  |  |
| Auger Hole 3   | 12/10/20 10:35 | 0.5' - 1'              | In-situ     | 143                 |  |  |
| Auger Hole 3   | 12/10/20 10:40 | 1' - 1.5'              | In-situ     | 130                 |  |  |
| Auger Hole 4   | 12/10/20 10:45 | 0 - 0.5'               | In-situ     | <b>4,480</b>        |  |  |
| Auger Hole 4   | 12/10/20 10:50 | 0.5' - 1'              | In-situ     | 243                 |  |  |
| Auger Hole 4   | 12/10/20 10:55 | 1' - 1.5'              | In-situ     | 390                 |  |  |
| Auger Hole 5   | 12/10/20 11:00 | 0 - 0.5'               | In-situ     | 116                 |  |  |
| Auger Hole 5   | 12/10/20 11:05 | 0.5' - 1'              | In-situ     | 111                 |  |  |
| Auger Hole 5   | 12/10/20 11:10 | 1' - 1.5'              | In-situ     | 98.5                |  |  |
| Auger Hole 6   | 12/10/20 11:15 | 0 - 0.5'               | In-situ     | <b>1,030</b>        |  |  |
| Auger Hole 6   | 12/10/20 11:20 | 0.5' - 1'              | In-situ     | 89.6                |  |  |
| Auger Hole 6   | 12/10/20 11:25 | 1' - 1.5'              | In-situ     | 73.3                |  |  |
| Auger Hole 7   | 12/10/20 11:30 | 0 - 0.5'               | In-situ     | <b>750</b>          |  |  |
| Auger Hole 7   | 12/10/20 11:35 | 0.5' - 1'              | In-situ     | 96.6                |  |  |
| Auger Hole 7   | 12/10/20 11:40 | 1' - 1.5'              | In-situ     | 90.4                |  |  |
| Auger Hole 8   | 12/10/20 11:45 | 0 - 0.5'               | In-situ     | 271                 |  |  |
| Auger Hole 8   | 12/10/20 11:50 | 0.5' - 1'              | In-situ     | 25.7                |  |  |
| Auger Hole 8   | 12/10/20 11:55 | 1' - 1.5'              | In-situ     | 11.2                |  |  |
| Auger Hole 9   | 12/10/20 12:00 | 0 - 0.5'               | In-situ     | 596                 |  |  |
| Auger Hole 9   | 12/10/20 12:05 | 0.5' - 1'              | In-situ     | <b>621</b>          |  |  |
| Auger Hole 9   | 12/10/20 12:10 | 1' - 1.5'              | In-situ     | 527                 |  |  |
| Auger Hole 10  | 12/10/20 12:15 | 0 - 0.5'               | In-situ     | <b>1,300</b>        |  |  |
| Auger Hole 10  | 12/10/20 12:20 | 0.5' - 1'              | In-situ     | <b>1,000</b>        |  |  |
| Auger Hole 10  | 12/10/20 12:25 | 1' - 1.5'              | In-situ     | <b>768</b>          |  |  |
| Auger Hole 11  | 12/10/20 12:30 | 0 - 0.5'               | In-situ     | 123                 |  |  |
| Auger Hole 11  | 12/10/20 12:35 | 0.5' - 1'              | In-situ     | 150                 |  |  |
| Auger Hole 11  | 12/10/20 12:40 | 1' - 1.5'              | In-situ     | 151                 |  |  |
| Auger Hole 12  | 12/10/20 12:45 | 0 - 0.5'               | In-situ     | 575                 |  |  |
| Auger Hole 12  | 12/10/20 12:50 | 0.5' - 1'              | In-situ     | 106                 |  |  |
| Auger Hole 12  | 12/10/20 12:55 | 1' - 1.5'              | In-situ     | 64.6                |  |  |
| Auger Hole 13  | 12/10/20 13:00 | 0 - 0.5'               | In-situ     | <b>2,760</b>        |  |  |
| Auger Hole 13  | 12/10/20 13:05 | 0.5' - 1'              | In-situ     | 248                 |  |  |
| Auger Hole 13  | 12/10/20 13:10 | 1' - 1.5'              | In-situ     | 137                 |  |  |
| Auger Hole 14  | 12/10/20 13:15 | 0 - 0.5'               | In-situ     | <b>3,090</b>        |  |  |
| Auger Hole 14  | 12/10/20 13:20 | 0.5' - 1'              | In-situ     | 159                 |  |  |
| Auger Hole 14  | 12/10/20 13:25 | 1' - 1.5'              | In-situ     | 281                 |  |  |
| Auger Hole 15  | 12/10/20 13:30 | 0 - 0.5'               | In-situ     | 396                 |  |  |
| Auger Hole 15  | 12/10/20 13:35 | 0.5' - 1'              | In-situ     | 252                 |  |  |
| Auger Hole 15  | 12/10/20 13:40 | 1' - 1.5'              | In-situ     | 318                 |  |  |
| Auger Hole 16  | 12/10/20 13:45 | 0 - 0.5'               | In-situ     | 547                 |  |  |
| Auger Hole 16  | 12/10/20 13:50 | 0.5' - 1'              | In-situ     | 551                 |  |  |
| Auger Hole 16  | 12/10/20 13:55 | 1' - 1.5'              | In-situ     | 547                 |  |  |
| Auger Hole 17  | 12/10/20 14:00 | 0 - 0.5'               | In-situ     | <b>2,380</b>        |  |  |
| Auger Hole 17  | 12/10/20 14:05 | 0.5' - 1'              | In-situ     | 417                 |  |  |
| Auger Hole 17  | 12/10/20 14:10 | 1' - 1.5'              | In-situ     | 367                 |  |  |
| Auger Hole 18  | 12/10/20 14:15 | 0 - 0.5'               | In-situ     | <b>2,130</b>        |  |  |
| Auger Hole 18  | 12/10/20 14:20 | 0.5' - 1'              | In-situ     | 153                 |  |  |
| Auger Hole 18  | 12/10/20 14:25 | 1' - 1.5'              | In-situ     | 168                 |  |  |
| Auger Hole 19  | 12/10/20 14:30 | 0 - 0.5'               | In-situ     | 235                 |  |  |
| Auger Hole 19  | 12/10/20 14:35 | 0.5' - 1'              | In-situ     | 444                 |  |  |
| Auger Hole 19  | 12/10/20 14:40 | 1' - 1.5'              | In-situ     | 466                 |  |  |
| Auger Hole 20  | 12/10/20 14:45 | 0 - 0.5'               | In-situ     | <b>1,080</b>        |  |  |
| Auger Hole 20  | 12/10/20 14:50 | 0.5' - 1'              | In-situ     | 176                 |  |  |
| Auger Hole 20  | 12/10/20 14:55 | 1' - 1.5'              | In-situ     | 164                 |  |  |
| Auger Hole 21  | 12/10/20 15:00 | 0 - 0.5'               | In-situ     | <b>889</b>          |  |  |
| Auger Hole 21  | 12/10/20 15:05 | 0.5' - 1'              | In-situ     | 31.4                |  |  |
| Auger Hole 21  | 12/10/20 15:10 | 1' - 1.5'              | In-situ     | 37.9                |  |  |
| Auger Hole 22  | 12/10/20 15:15 | 0 - 0.5'               | In-situ     | 67.1                |  |  |
| Auger Hole 22  | 12/10/20 15:20 | 0.5' - 1'              | In-situ     | 112                 |  |  |
| Auger Hole 22  | 12/10/20 15:25 | 1' - 1.5'              | In-situ     | 120                 |  |  |
| Auger Hole 23  | 12/10/20 15:30 | 0 - 0.5'               | In-situ     | 266                 |  |  |
| Auger Hole 23  | 12/10/20 15:35 | 0.5' - 1'              | In-situ     | 395                 |  |  |
| Auger Hole 23  | 12/10/20 15:40 | 1' - 1.5'              | In-situ     | 481                 |  |  |
| Auger Hole 24  | 12/10/20 15:45 | 0 - 0.5'               | In-situ     | 262                 |  |  |
| Auger Hole 24  | 12/10/20 15:50 | 0.5' - 1'              | In-situ     | 233                 |  |  |
| Auger Hole 24  | 12/10/20 15:55 | 1' - 1.5'              | In-situ     | 295                 |  |  |
| Auger Hole 25  | 12/10/20 16:00 | 0 - 0.5'               | In-situ     | 541                 |  |  |
| Auger Hole 25  | 12/10/20 16:05 | 0.5' - 1'              | In-situ     | 74.5                |  |  |
| Auger Hole 25  | 12/10/20 16:10 | 1' - 1.5'              | In-situ     | 101                 |  |  |
| North Site   | 12/10/20 16:15 | 0 - 0.5'               | In-situ     | 43.8                |  |  |
| South Site   | 12/10/20 16:20 | 0 - 0.5'               | In-situ     | 101                 |  |  |
| West Site  | 12/10/20 16:25 | 0 - 0.5'               | In-situ     | 91.9                |  |  |
| East Site  | 12/10/20 16:30 | 0 - 0.5'               | In-situ     | 235                 |  |  |

mg/Kg - milligrams per Kilogram

Concentrations in **Bold** exceed remediation guidelines

In-situ - sample collected in-place

**TABLE 2**  
**Summary of Confirmation Sampling Analytical Results**  
**Concentrations of Benzene, BTEX, TPH & Chloride in Soil**  
**Cimarex Energy Co.**  
*Craigford 227-26, Eno, 1EUL*

EX - Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed by EPA method 8021 B

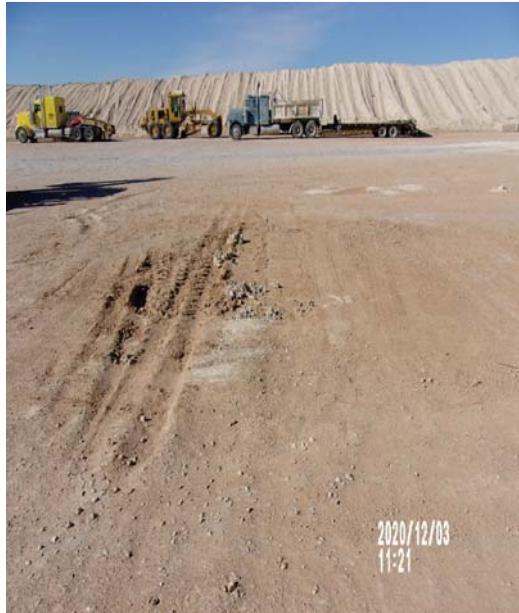
– no established = not determined  
in situ – sample collected in place



## APPENDIX C

### Photo Page

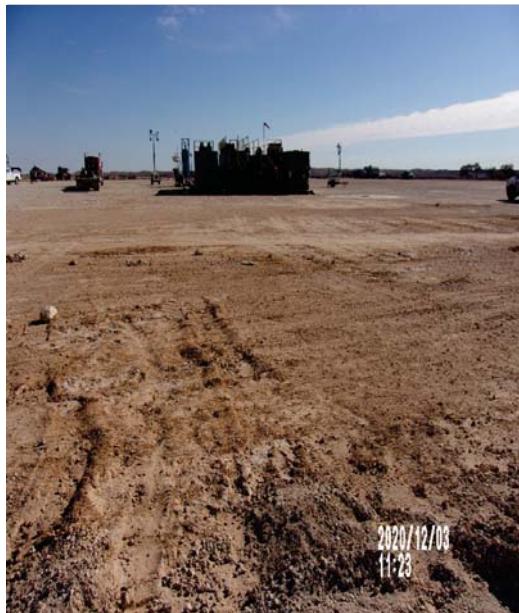
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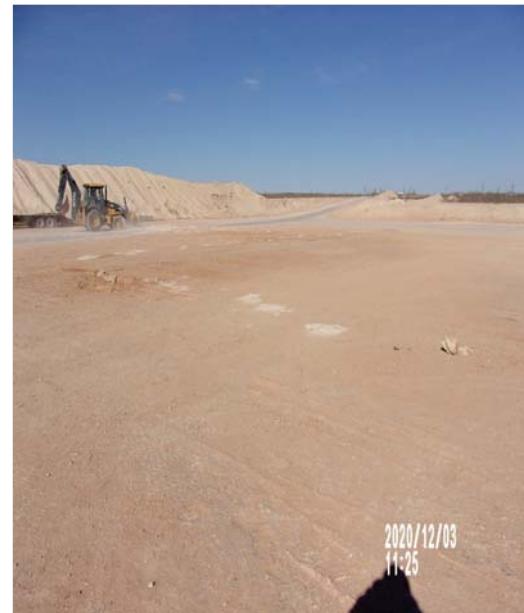
View West – Origin of spill. Release caused by open frac tank valves and a failed liner at an adjacent containment.



Delineation sample locations within the release footprint.



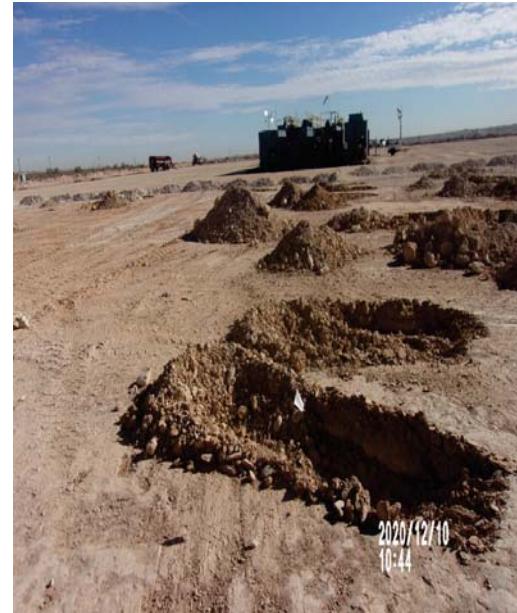
View North – A portion of the release footprint.



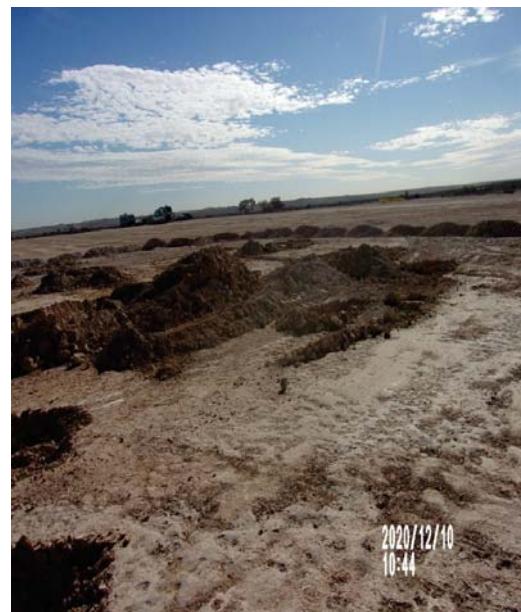
View Northwest – A portion of the release footprint.



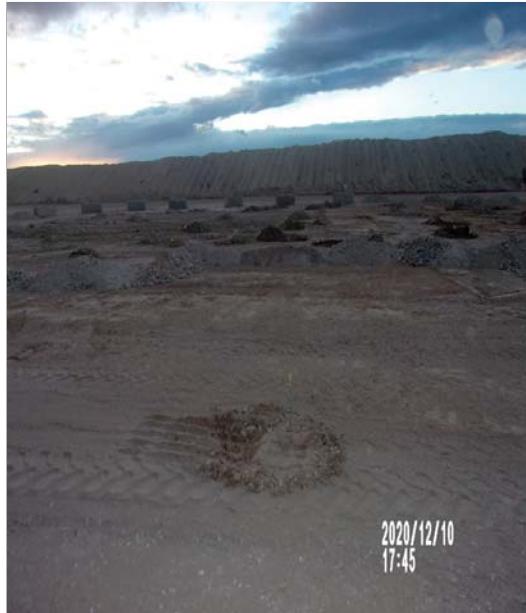
View Northeast – Delineation sample locations within the release footprint (i.e., Auger Holes 1 thru 10).



View East – Delineation sample locations within the release footprint (i.e., Auger Holes 11 thru 18).



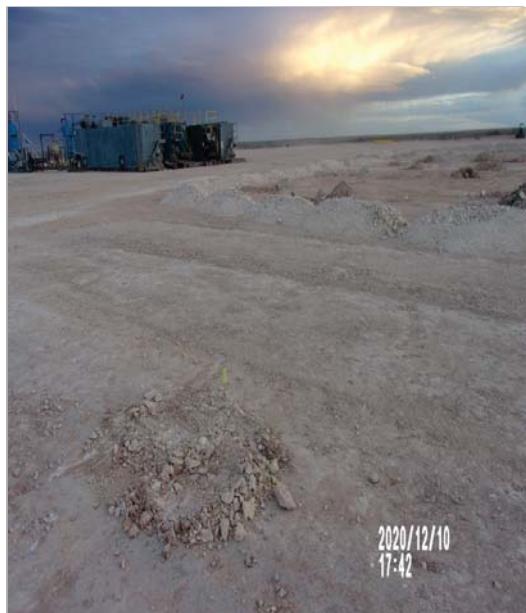
View Southeast - Delineation sample locations within the release footprint (i.e., Auger Holes 19 thru 25).



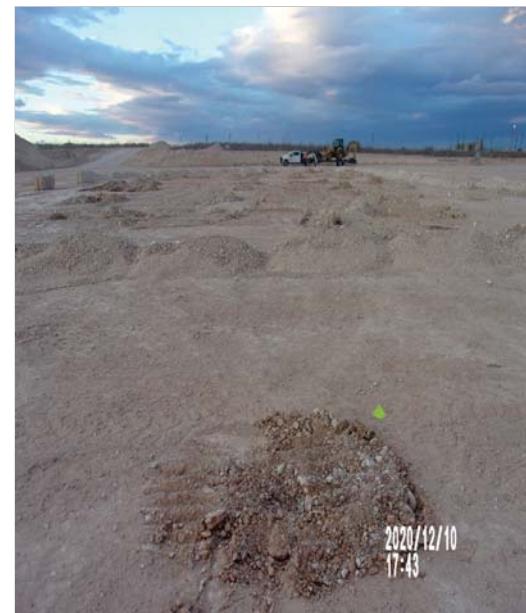
View East –West Site sample location.



View East - East Site sample location.



View Southeast – North Site sample location.



View North – South Site sample location.



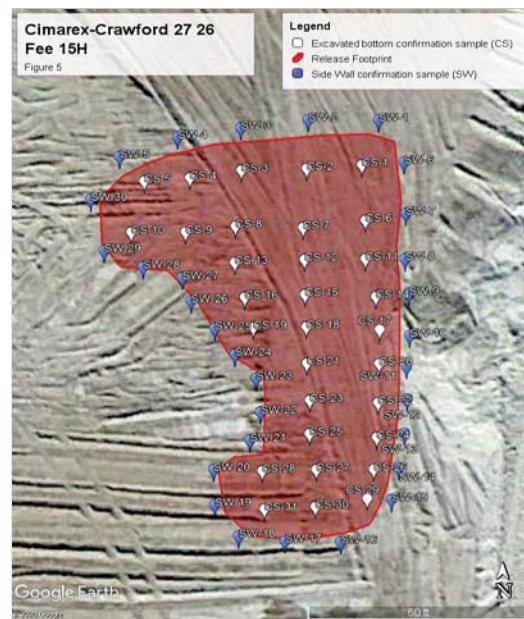
View Southwest – Impacted material excavated to 2 ft bgs being exported offsite to a Cimarex approved disposal.



View Southwest – Impacted material excavated to 2 ft bgs being exported offsite to a Cimarex approved disposal.



View West – Impacted material excavated to 2 ft bgs to be exported offsite to a Cimarex approved disposal.



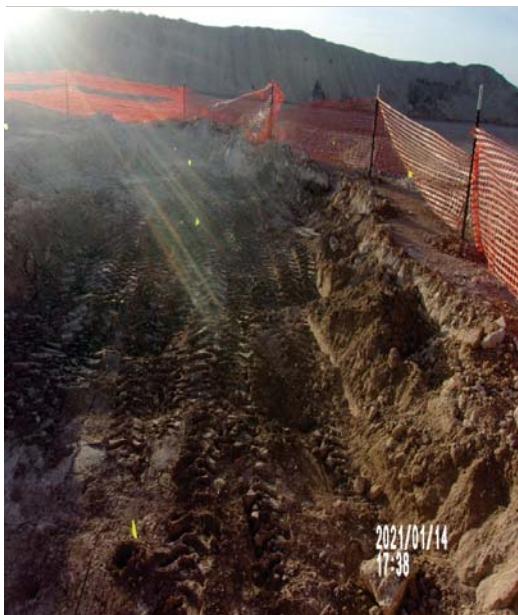
Confirmation and Side Wall sample locations within the release footprint.



View Northeast – Confirmation sample locations (lime green flags) 1, 2, 6, 7, 8, and 9.



View North – Confirmation sample locations (lime green flags) 5 and 10.



View West - Confirmation sample locations (lime green flags) 1, 2, 3, 4, and 5.



View South - Confirmation sample locations (lime green flags) 23, 27, 28, 29, 30, and 31.



View East – Confirmation sample locations (lime green flag) 11 and 12.



View North – Confirmation sample locations (lime green flag) 2, 3, 4, and 8.



View Northeast – Confirmation sample locations (lime green flag) 1, 6, and 7 and Sidewall sample location (dark green flag) 7.



View Northwest – Confirmation sample locations (lime green flag) 23, 19, 10, and 5. Sidewall sample locations (dark green flag) 22, 23, 24, 25, and 26.



View Southeast – Confirmation sample location (lime green flag) 22. Sidewall sample locations (dark green flag) 12, 13, and 14.



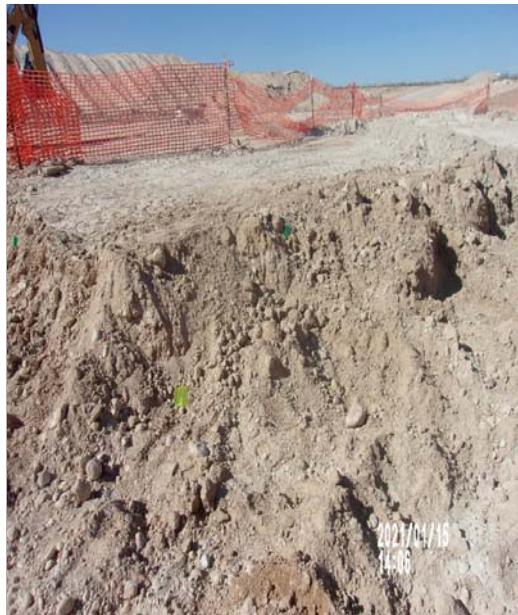
View East – Confirmation sample location (lime green flag) 26 and Sidewall sample location (dark green flag) 14.



View Northwest – Confirmation sample locations (lime green flag) 25 and 23. Sidewall sample locations (dark green flag) 21 and 22.



View East – Confirmation sample location (lime green flag) 26 and Sidewall sample locations (dark green flag) 13 and 14.



View Northwest – Confirmation sample location (lime green flag) 28 and Sidewall sample locations (dark green flag) 20, 21, and 22.



View Southeast – Confirmation sample locations (lime green flag) 26, 27, and 29 and Sidewall sample location (dark green flag) 15.



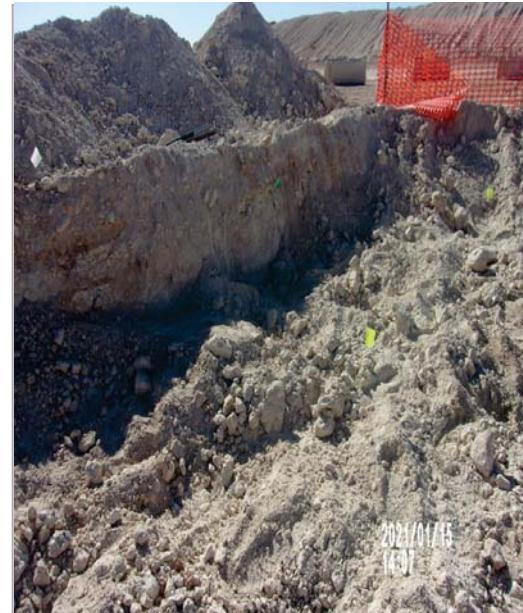
View North – Confirmation sample locations (lime green flag) 30, 29, 27, 26, 25, 24, 23, and 22. Sidewall sample locations (dark green flag) 20, 21, 22, 14, 13, and 12.



View North – Confirmation sample location (lime green flag) 31 and Sidewall sample locations (dark green flag) 19 and 20.



View Southeast – Confirmation sample location (lime green flag) 31 and Sidewall sample locations (dark green flag) 18 and 19.



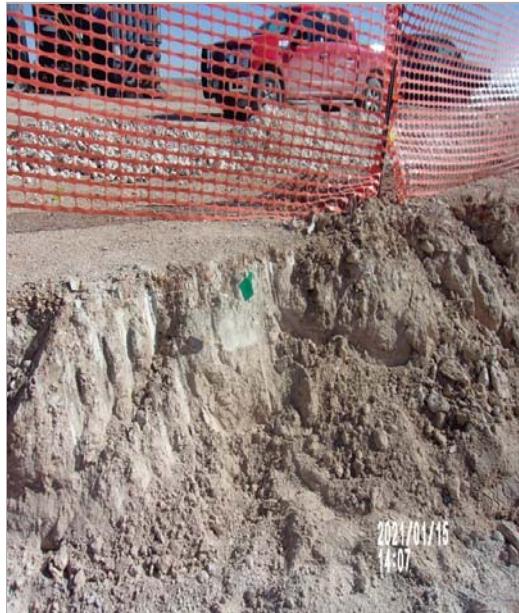
View West – Confirmation sample locations (lime green flag) 5 and 10 and Sidewall sample location (dark green flag) 30.



View East – Sidewall sample location (dark green flag) 9.



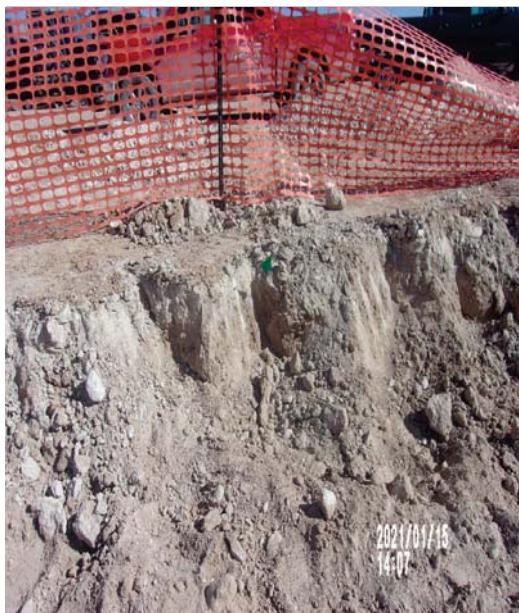
View East – Sidewall sample location (dark green flag) 10.



View East – Sidewall sample location  
(dark green flag) 11.



View East – Sidewall sample location  
(dark green flag) 12.



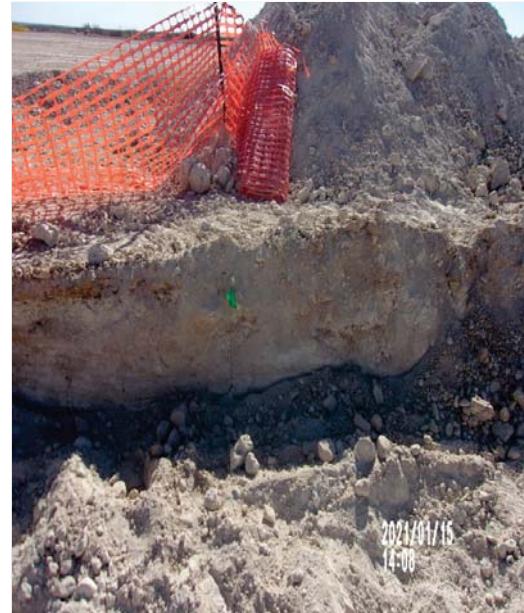
View East – Sidewall sample location  
(dark green flag) 13.



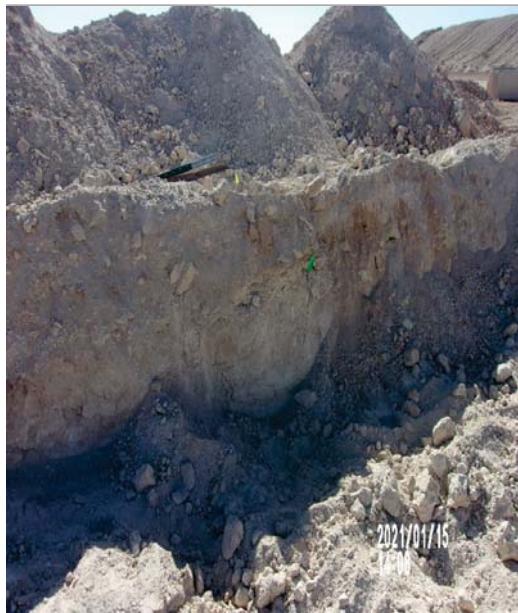
View East – Sidewall sample location  
(dark green flag) 14.



View Southeast – Sidewall sample location (dark green flag) 15.



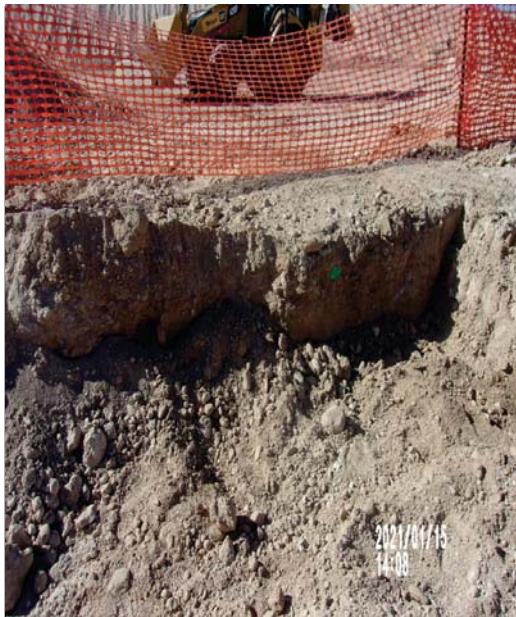
View South – Sidewall sample location (dark green flag) 16.



View South – Sidewall sample location (dark green flag) 17.



View South – Sidewall sample location (dark green flag) 18.



View West – Sidewall sample location  
(dark green flag) 19.



View South – Sidewall sample location  
(dark green flag) 20.



View West – Sidewall sample location  
(dark green flag) 21.



View South – Sidewall sample location  
(dark green flag) 22.



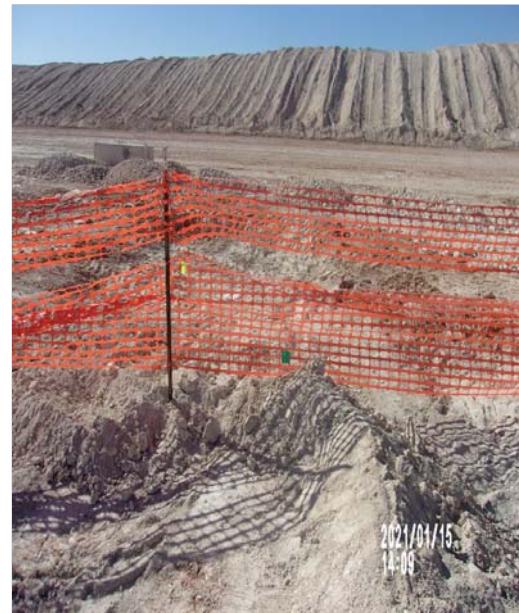
View West – Confirmation sample location (lime green flag) and Sidewall sample location (dark green flag) 5.



View West – Confirmation sample location 19 (lime green flag) and Sidewall sample locations (dark green flag) 23 and 24.



View West – Sidewall sample location (dark green flag) 25.



View West – Sidewall sample location (dark green flag) 26.



View West – Sidewall sample location  
(dark green flag) 27.



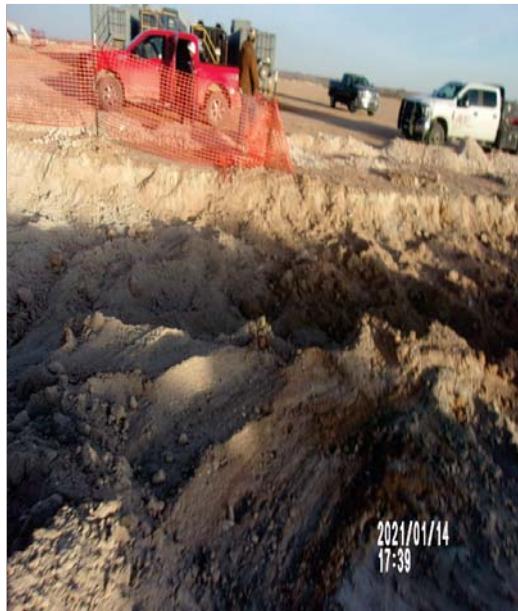
View West – Confirmation sample  
locations (lime green flag) 8, 9, 10, and  
5. Sidewall sample locations (dark green  
flag) 28, 29, and 30.



View North – Excavation of impacted  
material ongoing.



View Northwest – Excavated impacted  
material being loaded for export offsite  
to a Cimarex approved disposal.



View East – Excavation of impacted material ongoing.



View Southeast – Excavation of impacted material ongoing.



## APPENDIX D

C-141

American Safety Services, Inc. (Geoscience License #50528)  
8715 Andrews Hwy. • Odessa, TX 79765. • T 432.552.7625 • [www.americansafety.net](http://www.americansafety.net)

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |               |
|----------------|---------------|
| Incident ID    | nRM2033557420 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Release Notification

### Responsible Party

|   |  |
|---|--|
| Responsible Party: Cimarex Energy Co.   | OGRID: 215099                              |
| Contact Name: Laci Luig   | Contact Telephone: (432) 571-7800          |
| Contact email: lluig@cimarex.com  | Incident # (assigned by OCD) nRM2033557420 |
| Contact mailing address: 600 N Marienfeld Street, Ste. 600<br>Midland, TX 79701 |  |

### Location of Release Source

Latitude 32.187833\_\_\_\_\_ Longitude -104.288333\_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                                     |                      |
|-------------------------------------|----------------------|
| Site Name: Crawford 27 26 Fee 15H   | Site Type: Well Pad  |
| Date Release Discovered: 11/14/2020 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| L           | 27      | 24S      | 26E   | Eddy   |

Surface Owner:  State  Federal  Tribal  Private (Name: Bounds Family Trust\_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 75  | Volume Recovered (bbls) 74                               |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)  | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                  |

Cause of Release: Human Error

After the frac job completed, several 8" and 4" valves were found with no caps and had dripped onto lined containment. Select Water Transfer rigged down their manifold onto the containment but failed to put the straps back on that hold the liner to the muscle wall. The wind blew the loose containment down causing 1 barrel of 50/50 blend (50% fresh water and 50% produced water) to spill onto the well pad. A vacuum truck recovered 74 barrels 50/50 blend water from the lined containment. Once the frac equipment is removed, the impacted soils will be removed, disposed of at an approved E&P waste site and the area will be delineated.

|                |               |
|----------------|---------------|
| Incident ID    | nRM2033557420 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

|   |  |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release?<br>Amount of release greater than 25 barrels. |
|---|--|

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  
 By: Laci Luig  
 To: Mike Bratcher, Robert Hamlet, Cristina Eads and Jim Griswold  
 By: Email

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

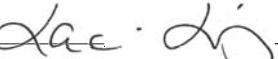
- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Laci Luig \_\_\_\_\_ Title: Engineer Tech.\_\_\_\_\_

Signature:  Date: 12/1/2020 \_\_\_\_\_

email: lluig@cimarex.com \_\_\_\_\_ Telephone: (432) 571-7810 \_\_\_\_\_

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

|                |               |
|----------------|---------------|
| Incident ID    | nRM2033557420 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|   |   |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release?   | _____ 38 (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

|                |               |
|----------------|---------------|
| Incident ID    | nRM2033557420 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

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

Printed Name: Laci Luig \_\_\_\_\_ Title: ESH Specialist\_\_\_\_\_

Signature: \_\_\_\_\_ Date: 2/23/2021 \_\_\_\_\_

email: lluig@cimarex.com \_\_\_\_\_ Telephone: (432) 208-3035 \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

|                |               |
|----------------|---------------|
| Incident ID    | nRM2033557420 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Laci Luig \_\_\_\_\_ Title: ESH Specialist \_\_\_\_\_

Signature: \_\_\_\_\_ Date: 2/23/2021 \_\_\_\_\_

email: lluig@cimarex.com \_\_\_\_\_ Telephone: (432) 208-3035 \_\_\_\_\_

**OCD Only**

Received by: Chad Hensley \_\_\_\_\_ Date: 04/22/2021 \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley \_\_\_\_\_ Date: 04/22/2021 \_\_\_\_\_

Printed Name: Chad Hensley \_\_\_\_\_ Title: Environmental Specialist Advanced \_\_\_\_\_



## APPENDIX E

### Laboratory Analysis

American Safety Services, Inc. (Geoscience License #50528)  
8715 Andrews Hwy. • Odessa, TX 79765. • T 432.552.7625 • [www.americansafety.net](http://www.americansafety.net)

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>Field Id:</i><br>Auger Hole 1<br>0-0.5 ft<br>SOIL<br>12.10.2020 10:00 | <i>Lab Id:</i><br>680737-001<br>Auger Hole 1<br>0.5-1 ft<br>SOIL<br>12.10.2020 10:05 | <i>Lab Id:</i><br>680737-003<br>Auger Hole 1<br>1-1.5 ft<br>SOIL<br>12.10.2020 10:10 | <i>Lab Id:</i><br>680737-004<br>Auger Hole 2<br>0-0.5 ft<br>SOIL<br>12.10.2020 10:15 | <i>Lab Id:</i><br>680737-005<br>Auger Hole 2<br>0.5-1 ft<br>SOIL<br>12.10.2020 10:20 | <i>Lab Id:</i><br>680737-006<br>Auger Hole 2<br>1-1.5 ft<br>SOIL<br>12.10.2020 10:25 |
|----------------------------|---|--|--|--|--|--|--|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.11.2020 18:45   | 12.11.2020 18:45   | 12.11.2020 18:45   | 12.14.2020 08:50   | 12.14.2020 08:50   | 12.14.2020 08:50   | 12.14.2020 08:50   |
|                            | <i>Analyzed:</i><br>12.12.2020 04:43  | 12.12.2020 04:48   | 12.12.2020 04:54   | 12.14.2020 17:20   | 12.14.2020 17:36   | 12.14.2020 17:41   | 12.14.2020 17:41   |
| Chloride                   | <i>Units/RL:</i><br>mg/kg<br>RL   | 49.9   | 207  | 4.97   | 233  | 5.03   | 2000 X   |
|                            |   | 1480   |  |  | 25.0   | 1830   | 24.8   |
|                            |   |  |  |  |  | 1580   | 25.1   |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:                 | <i>Field Id:</i><br>Auger Hole 3<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>680737-008<br>Auger Hole 3<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>680737-009<br>Auger Hole 3<br>1-1.5 ft<br>SOIL | <i>Lab Id:</i><br>680737-010<br>Auger Hole 4<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>680737-011<br>Auger Hole 4<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>680737-012<br>Auger Hole 4<br>1-1.5 ft<br>SOIL |
|----------------------------|--|--|--|--|--|--|--|
| <b>Chloride by EPA 300</b> | 12.14.2020 08:50<br>Extracted:<br>12.14.2020 17:47<br>Analyzed:<br>Units/RL: | 12.10.2020 10:30<br>Matrix:<br>Sampled:              | 12.10.2020 10:35<br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 12.10.2020 10:40<br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 12.10.2020 10:45<br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 12.10.2020 10:50<br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 12.10.2020 10:55<br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   |
| Chloride                   | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  |
|                            | 173  | 50.0   | 143  | 5.00   | 130  | 5.00   | 4480   |
|                            |  |  |  |  | 50.5   | 243  | 4.98   |
|                            |  |  |  |  |  | 390  | 4.95   |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | <i>Field Id:</i><br>Auger Hole 5<br>0-0.5 ft<br>SOIL<br>12.10.2020 11:00 | <i>Lab Id:</i><br>Auger Hole 5<br>0.5-1 ft<br>SOIL<br>12.10.2020 11:05 | <i>Lab Id:</i><br>Auger Hole 5<br>1-1.5 ft<br>SOIL<br>12.10.2020 11:10 | <i>Lab Id:</i><br>Auger Hole 6<br>0-0.5 ft<br>SOIL<br>12.10.2020 11:15 | <i>Lab Id:</i><br>Auger Hole 6<br>0.5-1 ft<br>SOIL<br>12.10.2020 11:20 | <i>Lab Id:</i><br>Auger Hole 6<br>1-1.5 ft<br>SOIL<br>12.10.2020 11:25 |
|----------------------------|--|--|--|--|--|--|--|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 08:50<br><i>Analyzed:</i><br>12.14.2020 18:28<br><i>Units/RL:</i><br>mg/kg | 12.14.2020 08:50<br>12.14.2020 18:34<br>RL                               | 12.14.2020 08:50<br>12.14.2020 18:49<br>mg/kg                          | 12.14.2020 08:50<br>12.14.2020 18:54<br>RL                             | 12.14.2020 08:50<br>12.14.2020 18:54<br>mg/kg                          | 12.14.2020 08:50<br>12.14.2020 19:10<br>RL                             | 12.14.2020 08:50<br>12.14.2020 19:15<br>mg/kg                          |
| Chloride                   | 116  | 5.04   | 111  | 5.05   | 98.5   | 4.96   | 1030   |
|                            |  |  |  |  | 24.8   | 89.6   | 4.98   |
|                            |  |  |  |  |  | 73.3   | 5.02   |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
Report Date: 12.17.2020 10:52  
Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>680737-019</i><br>Auger Hole 7<br>0-0.5 ft<br>SOIL<br>12.10.2020 11:30 | <i>680737-020</i><br>Auger Hole 7<br>0.5-1 ft<br>SOIL<br>12.10.2020 11:35 | <i>680737-021</i><br>Auger Hole 7<br>1-1.5 ft<br>SOIL<br>12.10.2020 11:40 | <i>680737-022</i><br>Auger Hole 8<br>0-0.5 ft<br>SOIL<br>12.10.2020 11:45 | <i>680737-023</i><br>Auger Hole 8<br>0.5-1 ft<br>SOIL<br>12.10.2020 11:50 | <i>680737-024</i><br>Auger Hole 8<br>1-1.5 ft<br>SOIL<br>12.10.2020 11:55 |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 08:50  | 12.14.2020 08:50  | 12.14.2020 08:50  | 12.14.2020 08:50  | 12.14.2020 08:50  | 12.14.2020 08:50  | 12.14.2020 09:15  |
|                            | <i>Analyzed:</i><br>12.14.2020 19:21   | 12.14.2020 19:26  | 12.14.2020 19:31  | 12.14.2020 19:36  | 12.14.2020 19:41  | 12.14.2020 19:41  | 12.14.2020 11:07  |
|                            | <i>Units/RL:</i><br>mg/kg  | mg/kg   | RL  | mg/kg   | RL  | mg/kg   | RL  |
| Chloride                   |  | 750   | 49.5  | 96.6  | 4.95  | 90.4  | 4.97  |
|                            |  |   |   | 271   | 49.9  | 25.7  | 5.02  |
|                            |  |   |   |   |   | 11.2  | 5.03  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | <i>Field Id:</i><br>Auger Hole 9<br>0-0.5 ft<br>SOIL<br>12.10.2020 12:00 | <i>Lab Id:</i><br>680737-025<br>Auger Hole 9<br>0.5-1 ft<br>SOIL<br>12.10.2020 12:05 | <i>Lab Id:</i><br>680737-026<br>Auger Hole 9<br>1-1.5 ft<br>SOIL<br>12.10.2020 12:10 | <i>Lab Id:</i><br>680737-027<br>Auger Hole 9<br>0-0.5 ft<br>SOIL<br>12.10.2020 12:15 | <i>Lab Id:</i><br>680737-028<br>Auger Hole 10<br>0-0.5 ft<br>SOIL<br>12.10.2020 12:20 | <i>Lab Id:</i><br>680737-029<br>Auger Hole 10<br>0.5-1 ft<br>SOIL<br>12.10.2020 12:25 | <i>Lab Id:</i><br>680737-030<br>Auger Hole 10<br>1-1.5 ft<br>SOIL<br>12.10.2020 12:25 |
|----------------------------|--|--|--|--|--|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 09:15<br><i>Analyzed:</i><br>12.14.2020 11:22<br><i>Units/RL:</i><br>mg/kg<br>RL | 12.14.2020 09:15<br>12.14.2020 11:28<br>mg/kg<br>RL                      | 12.14.2020 09:15<br>12.14.2020 11:33<br>mg/kg<br>RL                                  | 12.14.2020 09:15<br>12.14.2020 11:38<br>mg/kg<br>RL                                  | 12.14.2020 09:15<br>12.14.2020 11:54<br>mg/kg<br>RL                                  | 12.14.2020 09:15<br>12.14.2020 11:54<br>mg/kg<br>RL                                   | 12.14.2020 09:15<br>12.14.2020 11:54<br>mg/kg<br>RL                                   | 12.14.2020 09:15<br>12.14.2020 11:54<br>mg/kg<br>RL                                   |
| Chloride                   | 596<br>4.99  | 621<br>4.96  | 527<br>4.95  | 1300<br>4.95   | 25.2<br>1000   | 4.95<br>1000  | 768<br>4.95   | 4.95<br>768   |

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 680737-031<br>Auger Hole 11<br>0-0.5 ft<br>SOIL     | 680737-032<br>Auger Hole 11<br>0.5-1 ft<br>SOIL     | 680737-033<br>Auger Hole 11<br>1-1.5 ft<br>SOIL     | 680737-034<br>Auger Hole 12<br>0-0.5 ft<br>SOIL     | 680737-035<br>Auger Hole 12<br>0.5-1 ft<br>SOIL     | 680737-036<br>Auger Hole 12<br>1-1.5 ft<br>SOIL     |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 09:15<br><i>Analyzed:</i><br>12.14.2020 12:04<br><i>Units/RL:</i><br>mg/kg<br>RL | 12.14.2020 09:15<br>12.14.2020 12:09<br>mg/kg<br>RL | 12.14.2020 09:15<br>12.14.2020 12:14<br>mg/kg<br>RL | 12.14.2020 09:15<br>12.14.2020 12:20<br>mg/kg<br>RL | 12.10.2020 12:45<br>12.14.2020 09:15<br>mg/kg<br>RL | 12.10.2020 12:50<br>12.14.2020 09:15<br>mg/kg<br>RL | 12.10.2020 12:55<br>12.14.2020 09:15<br>mg/kg<br>RL |
| Chloride                   | 123  | 49.5  | 150   | 4.99  | 151   | 4.97  | 575   |
|                            |  |   |   | 49.6  | 575   | 49.6  | 106   |
|                            |  |   |   |   | 106   | 50.2  | 64.6  |
|                            |  |   |   |   |   | 64.6  | 5.00  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:                 | <i>Field Id:</i><br>Auger Hole 13<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 13<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 13<br>1-1.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 14<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 14<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 14<br>0-0.5 ft<br>SOIL |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | Extracted: 12.14.2020 09:15<br>Analyzed: 12.14.2020 12:56<br>Units/RL: mg/kg | 12.14.2020 09:15<br>12.14.2020 13:01<br>RL            | 12.14.2020 09:15<br>12.14.2020 13:06<br>mg/kg       | 12.14.2020 09:15<br>12.14.2020 13:11<br>RL          | 12.14.2020 09:15<br>12.14.2020 13:17<br>mg/kg       | 12.14.2020 09:15<br>12.14.2020 13:17<br>RL          | 12.14.2020 09:15<br>12.14.2020 13:22<br>RL          |
| Chloride                   | 2760   | 99.0  | 248   | 5.04  | 137   | 4.95  | 3990  |
|                            |  |   |   |   |   |   | 99.0  |
|                            |  |   |   |   |   |   | 159   |
|                            |  |   |   |   |   |   | 4.95  |
|                            |  |   |   |   |   |   | 281   |
|                            |  |   |   |   |   |   | 5.00  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 680737-043<br>Auger Hole 15<br>0-0.5 ft<br>SOIL | 680737-044<br>Auger Hole 15<br>0.5-1 ft<br>SOIL | 680737-045<br>Auger Hole 15<br>1-1.5 ft<br>SOIL | 680737-046<br>Auger Hole 16<br>0-0.5 ft<br>SOIL | 680737-047<br>Auger Hole 16<br>0.5-1 ft<br>SOIL | 680737-048<br>Auger Hole 16<br>1-1.5 ft<br>SOIL |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 11:55<br><i>Analyzed:</i><br>12.14.2020 13:58<br><i>Units/RL:</i><br>mg/kg<br>RL | 12.10.2020 13:30<br>12.10.2020 13:35            | 12.14.2020 11:55<br>12.14.2020 14:14            | 12.14.2020 11:55<br>12.14.2020 14:19            | 12.10.2020 13:40<br>12.14.2020 14:24            | 12.14.2020 11:55<br>12.14.2020 14:29            | 12.10.2020 13:50<br>12.14.2020 14:45            |
| Chloride                   |  | 396<br>24.9                                     | 252<br>4.99                                     | 318<br>5.04                                     | 547<br>5.04                                     | 24.8<br>551                                     | 547<br>24.8                                     |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:                 | <i>Field Id:</i><br>Auger Hole 17<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 17<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 17<br>1-1.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 18<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 18<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 18<br>0-0.5 ft<br>SOIL |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | Extracted: 12.14.2020 11:55<br>Analyzed: 12.14.2020 14:50<br>Units/RL: mg/kg | 12.14.2020 11:55<br>12.14.2020 14:55<br>RL            | 12.14.2020 11:55<br>12.14.2020 15:00<br>mg/kg       | 12.14.2020 11:55<br>12.14.2020 15:06<br>RL          | 12.14.2020 11:55<br>12.14.2020 15:11<br>mg/kg       | 12.14.2020 11:55<br>12.14.2020 15:11<br>RL          | 12.14.2020 11:55<br>12.14.2020 15:26<br>mg/kg       |
| Chloride                   | 2380   | 24.8  | 417   | 5.00  | 367   | 5.00  | 2130  |
|                            |  |   |   |   |   |   | 25.2  |
|                            |  |   |   |   |   |   | 153   |
|                            |  |   |   |   |   |   | 4.99  |
|                            |  |   |   |   |   |   | 168   |
|                            |  |   |   |   |   |   | 5.05  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:   | 680737-055<br>Auger Hole 19<br>0-0.5 ft<br>SOIL   | 680737-056<br>Auger Hole 19<br>0.5-1 ft<br>SOIL   | 680737-057<br>Auger Hole 19<br>1-1.5 ft<br>SOIL   | 680737-058<br>Auger Hole 20<br>0-0.5 ft<br>SOIL   | 680737-059<br>Auger Hole 20<br>0.5-1 ft<br>SOIL   | 680737-060<br>Auger Hole 20<br>1-1.5 ft<br>SOIL   |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 11:55<br><i>Analyzed:</i><br>12.14.2020 15:32<br><i>Units/RL:</i><br>mg/kg<br>RL | 12.10.2020 14:30<br>12.10.2020 14:35<br>12.14.2020 11:55<br>12.14.2020 15:47<br>mg/kg<br>RL | 12.10.2020 14:40<br>12.14.2020 11:55<br>12.14.2020 15:52<br>12.14.2020 15:58<br>mg/kg<br>RL | 12.10.2020 14:45<br>12.14.2020 11:55<br>12.14.2020 15:58<br>12.14.2020 15:58<br>mg/kg<br>RL | 12.10.2020 14:50<br>12.14.2020 11:55<br>12.14.2020 16:03<br>12.14.2020 16:03<br>mg/kg<br>RL | 12.10.2020 14:50<br>12.14.2020 11:55<br>12.14.2020 16:03<br>12.14.2020 16:03<br>mg/kg<br>RL | 12.10.2020 14:55<br>12.14.2020 11:55<br>12.14.2020 16:03<br>12.14.2020 16:03<br>mg/kg<br>RL |
| Chloride                   |  | 235<br>24.9   | 444<br>4.97   | 466<br>5.00   | 1080<br>1080<br>24.8  | 176<br>5.03   | 164<br>4.98   |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled:                 | <i>Field Id:</i><br>Auger Hole 21<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 21<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 21<br>1-1.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 22<br>0-0.5 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 22<br>0.5-1 ft<br>SOIL | <i>Lab Id:</i><br>Auger Hole 22<br>0-0.5 ft<br>SOIL |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | Extracted: 12.14.2020 11:55<br>Analyzed: 12.14.2020 16:13<br>Units/RL: mg/kg | 12.14.2020 11:55<br>12.14.2020 16:18<br>RL            | 12.14.2020 13:20<br>12.15.2020 10:47<br>mg/kg       | 12.14.2020 13:20<br>12.15.2020 10:42<br>RL          | 12.14.2020 13:20<br>12.15.2020 11:03<br>mg/kg       | 12.14.2020 13:20<br>12.15.2020 11:03<br>RL          | 12.14.2020 13:20<br>12.15.2020 11:03<br>mg/kg       |
| Chloride                   | 889  | 24.8  | 31.4  | 5.04  | 37.9  | 4.96  | 67.1  |
|                            |  |   |   |   |   | 50.0  | 112   |
|                            |  |   |   |   |   | 4.97  | 120   |
|                            |  |   |   |   |   |   | 5.03  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled: | <i>680737-067<br/>Auger Hole 23<br/>0-0.5 ft<br/>SOIL</i> | <i>680737-068<br/>Auger Hole 23<br/>0.5-1 ft<br/>SOIL</i> | <i>680737-069<br/>Auger Hole 23<br/>1-1.5 ft<br/>SOIL</i> | <i>680737-070<br/>Auger Hole 24<br/>0-0.5 ft<br/>SOIL</i> | <i>680737-071<br/>Auger Hole 24<br/>0.5-1 ft<br/>SOIL</i> | <i>680737-072<br/>Auger Hole 24<br/>1-1.5 ft<br/>SOIL</i> |
|----------------------------|--|---|---|---|---|---|---|
| <b>Chloride by EPA 300</b> | <i>Extracted:</i><br>12.14.2020 13:20                        | 12.10.2020 15:35  | 12.14.2020 13:20  | 12.10.2020 15:40  | 12.14.2020 13:20  | 12.10.2020 15:45  | 12.10.2020 15:50  |
|                            | <i>Analyzed:</i><br>12.15.2020 11:23                         | 12.15.2020 11:29  | 12.15.2020 11:34  | 12.15.2020 11:39  | 12.14.2020 13:20  | 12.15.2020 11:44  | 12.14.2020 13:25  |
| Chloride                   | <i>Units/RL:</i><br>mg/kg                                    | 49.6  | RL  | mg/kg   | RL  | mg/kg   | RL  |
|                            |  | 266   | 49.6  | 395   | 24.8  | 481   | 25.2  |
|                            |  |   |   |   | 262   | 50.0  | 233   |
|                            |  |   |   |   |   | 5.00  | 295   |
|                            |  |   |   |   |   |   | 5.02  |

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# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

Project Id:                      Contact: Thomas Franklin  
 Project Location: Eddy Co.NM

Date Received in Lab: Fri 12.11.2020 11:10  
 Report Date: 12.17.2020 10:52  
 Project Manager: Jessica Kramer

| <i>Analysis Requested</i>  | <i>Lab Id:</i><br>Field Id:<br>Depth:<br>Matrix:<br>Sampled: | <i>Field Id:</i><br>Auger Hole 25<br>0-0.5 ft<br>SOIL    | <i>Lab Id:</i><br>Auger Hole 25<br>0.5-1 ft<br>SOIL      | <i>Lab Id:</i><br>Auger Hole 25<br>1-1.5 ft<br>SOIL      | <i>Lab Id:</i><br>North Site<br>0-0.5 ft<br>SOIL         | <i>Lab Id:</i><br>South Site<br>0-0.5 ft<br>SOIL         | <i>Lab Id:</i><br>West Site<br>0-0.5 ft<br>SOIL          |
|----------------------------|--|--|--|--|--|--|--|
| <b>Chloride by EPA 300</b> | 12.14.2020 13:25<br>12.15.2020 15:28                         | 12.10.2020 16:00<br>12.14.2020 13:25<br>12.15.2020 15:34 | 12.10.2020 16:05<br>12.14.2020 13:25<br>12.15.2020 15:39 | 12.10.2020 16:10<br>12.14.2020 13:25<br>12.15.2020 15:44 | 12.10.2020 16:15<br>12.14.2020 13:25<br>12.15.2020 16:00 | 12.10.2020 16:20<br>12.14.2020 13:25<br>12.15.2020 16:00 | 12.10.2020 16:25<br>12.14.2020 13:25<br>12.15.2020 17:37 |
| <b>Chloride</b>            | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  | mg/kg<br>RL  |
|                            | 541<br>Chloride  | 50.4<br>74.5   | 50.4<br>4.98   | 101<br>101   | 5.05<br>43.8   | 4.95<br>4.95   | 101<br>101   |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Certificate of Analysis Summary 680737

American Safety Services, Odessa, TX

Project Name: Cimarex-Crawford 27 26 Fee 15H

|                           |  |  |                      |
|---------------------------|--|--|----------------------|
| Project Id:               |  | Date Received in Lab:  | Fri 12.11.2020 11:10 |
| Contact:                  | Thomas Franklin  | Report Date:   | 12.17.2020 10:52     |
| Project Location:         | Eddy Co.NM   | Project Manager:   | Jessica Kramer       |
| <i>Analysis Requested</i> | <i>Lab Id:</i><br>Field Id:<br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i>                          | <i>Lab Id:</i><br>680737-079<br>East Site<br>0-0.5 ft<br>SOIL<br>12.10.2020 16:30                          |                      |
| Chloride by EPA 300       | <i>Extracted:</i><br>12.14.2020 13:25<br><i>Analyzed:</i><br>12.15.2020 17:42<br><i>Units/RL:</i><br>mg/kg | <i>Extracted:</i><br>12.14.2020 13:25<br><i>Analyzed:</i><br>12.15.2020 17:42<br><i>Units/RL:</i><br>mg/kg |                      |
| Chloride                  | 235  | 49.9   | RL                   |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Analytical Report 680737

for

## American Safety Services

Project Manager: Thomas Franklin

Cimarex-Crawford 27 26 Fee 15H

**12.17.2020**

Collected By: Client



**1211 W. Florida Ave  
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)  
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



12.17.2020

Project Manager: **Thomas Franklin**  
**American Safety Services**  
8715 Andrews Hwy  
Odessa, TX 79765

Reference: Eurofins Xenco, LLC Report No(s): **680737**  
**Cimarex-Crawford 27 26 Fee 15H**  
Project Address: Eddy Co.NM

**Thomas Franklin:**

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 Eurofins Xenco, LLC Report Number(s) 680737. 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 Eurofins Xenco, LLC. 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. 680737 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "jessica kramer".

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**Jessica Kramer**  
Project Manager

*A Small Business and Minority Company*

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Sample Cross Reference 680737

**American Safety Services, Odessa, TX**

Cimarex-Crawford 27 26 Fee 15H

| Sample Id     | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|---------------|--------|------------------|--------------|---------------|
| Auger Hole 1  | S      | 12.10.2020 10:00 | 0 - 0.5 ft   | 680737-001    |
| Auger Hole 1  | S      | 12.10.2020 10:05 | 0.5 - 1 ft   | 680737-002    |
| Auger Hole 1  | S      | 12.10.2020 10:10 | 1 - 1.5 ft   | 680737-003    |
| Auger Hole 2  | S      | 12.10.2020 10:15 | 0 - 0.5 ft   | 680737-004    |
| Auger Hole 2  | S      | 12.10.2020 10:20 | 0.5 - 1 ft   | 680737-005    |
| Auger Hole 2  | S      | 12.10.2020 10:25 | 1 - 1.5 ft   | 680737-006    |
| Auger Hole 3  | S      | 12.10.2020 10:30 | 0 - 0.5 ft   | 680737-007    |
| Auger Hole 3  | S      | 12.10.2020 10:35 | 0.5 - 1 ft   | 680737-008    |
| Auger Hole 3  | S      | 12.10.2020 10:40 | 1 - 1.5 ft   | 680737-009    |
| Auger Hole 4  | S      | 12.10.2020 10:45 | 0 - 0.5 ft   | 680737-010    |
| Auger Hole 4  | S      | 12.10.2020 10:50 | 0.5 - 1 ft   | 680737-011    |
| Auger Hole 4  | S      | 12.10.2020 10:55 | 1 - 1.5 ft   | 680737-012    |
| Auger Hole 5  | S      | 12.10.2020 11:00 | 0 - 0.5 ft   | 680737-013    |
| Auger Hole 5  | S      | 12.10.2020 11:05 | 0.5 - 1 ft   | 680737-014    |
| Auger Hole 5  | S      | 12.10.2020 11:10 | 1 - 1.5 ft   | 680737-015    |
| Auger Hole 6  | S      | 12.10.2020 11:15 | 0 - 0.5 ft   | 680737-016    |
| Auger Hole 6  | S      | 12.10.2020 11:20 | 0.5 - 1 ft   | 680737-017    |
| Auger Hole 6  | S      | 12.10.2020 11:25 | 1 - 1.5 ft   | 680737-018    |
| Auger Hole 7  | S      | 12.10.2020 11:30 | 0 - 0.5 ft   | 680737-019    |
| Auger Hole 7  | S      | 12.10.2020 11:35 | 0.5 - 1 ft   | 680737-020    |
| Auger Hole 7  | S      | 12.10.2020 11:40 | 1 - 1.5 ft   | 680737-021    |
| Auger Hole 8  | S      | 12.10.2020 11:45 | 0 - 0.5 ft   | 680737-022    |
| Auger Hole 8  | S      | 12.10.2020 11:50 | 0.5 - 1 ft   | 680737-023    |
| Auger Hole 8  | S      | 12.10.2020 11:55 | 1 - 1.5 ft   | 680737-024    |
| Auger Hole 9  | S      | 12.10.2020 12:00 | 0 - 0.5 ft   | 680737-025    |
| Auger Hole 9  | S      | 12.10.2020 12:05 | 0.5 - 1 ft   | 680737-026    |
| Auger Hole 9  | S      | 12.10.2020 12:10 | 1 - 1.5 ft   | 680737-027    |
| Auger Hole 10 | S      | 12.10.2020 12:15 | 0 - 0.5 ft   | 680737-028    |
| Auger Hole 10 | S      | 12.10.2020 12:20 | 0.5 - 1 ft   | 680737-029    |
| Auger Hole 10 | S      | 12.10.2020 12:25 | 1 - 1.5 ft   | 680737-030    |
| Auger Hole 11 | S      | 12.10.2020 12:30 | 0 - 0.5 ft   | 680737-031    |
| Auger Hole 11 | S      | 12.10.2020 12:35 | 0.5 - 1 ft   | 680737-032    |
| Auger Hole 11 | S      | 12.10.2020 12:40 | 1 - 1.5 ft   | 680737-033    |
| Auger Hole 12 | S      | 12.10.2020 12:45 | 0 - 0.5 ft   | 680737-034    |
| Auger Hole 12 | S      | 12.10.2020 12:50 | 0.5 - 1 ft   | 680737-035    |
| Auger Hole 12 | S      | 12.10.2020 12:55 | 1 - 1.5 ft   | 680737-036    |
| Auger Hole 13 | S      | 12.10.2020 13:00 | 0 - 0.5 ft   | 680737-037    |
| Auger Hole 13 | S      | 12.10.2020 13:05 | 0.5 - 1 ft   | 680737-038    |
| Auger Hole 13 | S      | 12.10.2020 13:10 | 1 - 1.5 ft   | 680737-039    |
| Auger Hole 14 | S      | 12.10.2020 13:15 | 0 - 0.5 ft   | 680737-040    |
| Auger Hole 14 | S      | 12.10.2020 13:20 | 0.5 - 1 ft   | 680737-041    |
| Auger Hole 14 | S      | 12.10.2020 13:25 | 1 - 1.5 ft   | 680737-042    |
| Auger Hole 15 | S      | 12.10.2020 13:30 | 0 - 0.5 ft   | 680737-043    |

# Sample Cross Reference 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

|               |   |                  |            |            |
|---------------|---|------------------|------------|------------|
| Auger Hole 15 | S | 12.10.2020 13:35 | 0.5 - 1 ft | 680737-044 |
| Auger Hole 15 | S | 12.10.2020 13:40 | 1 - 1.5 ft | 680737-045 |
| Auger Hole 16 | S | 12.10.2020 13:45 | 0 - 0.5 ft | 680737-046 |
| Auger Hole 16 | S | 12.10.2020 13:50 | 0.5 - 1 ft | 680737-047 |
| Auger Hole 16 | S | 12.10.2020 13:55 | 1 - 1.5 ft | 680737-048 |
| Auger Hole 17 | S | 12.10.2020 14:00 | 0 - 0.5 ft | 680737-049 |
| Auger Hole 17 | S | 12.10.2020 14:05 | 0.5 - 1 ft | 680737-050 |
| Auger Hole 17 | S | 12.10.2020 14:10 | 1 - 1.5 ft | 680737-051 |
| Auger Hole 18 | S | 12.10.2020 14:15 | 0 - 0.5 ft | 680737-052 |
| Auger Hole 18 | S | 12.10.2020 14:20 | 0.5 - 1 ft | 680737-053 |
| Auger Hole 18 | S | 12.10.2020 14:25 | 1 - 1.5 ft | 680737-054 |
| Auger Hole 19 | S | 12.10.2020 14:30 | 0 - 0.5 ft | 680737-055 |
| Auger Hole 19 | S | 12.10.2020 14:35 | 0.5 - 1 ft | 680737-056 |
| Auger Hole 19 | S | 12.10.2020 14:40 | 1 - 1.5 ft | 680737-057 |
| Auger Hole 20 | S | 12.10.2020 14:45 | 0 - 0.5 ft | 680737-058 |
| Auger Hole 20 | S | 12.10.2020 14:50 | 0.5 - 1 ft | 680737-059 |
| Auger Hole 20 | S | 12.10.2020 14:55 | 1 - 1.5 ft | 680737-060 |
| Auger Hole 21 | S | 12.10.2020 15:00 | 0 - 0.5 ft | 680737-061 |
| Auger Hole 21 | S | 12.10.2020 15:05 | 0.5 - 1 ft | 680737-062 |
| Auger Hole 21 | S | 12.10.2020 15:10 | 1 - 1.5 ft | 680737-063 |
| Auger Hole 22 | S | 12.10.2020 15:15 | 0 - 0.5 ft | 680737-064 |
| Auger Hole 22 | S | 12.10.2020 15:20 | 0.5 - 1 ft | 680737-065 |
| Auger Hole 22 | S | 12.10.2020 15:25 | 1 - 1.5 ft | 680737-066 |
| Auger Hole 23 | S | 12.10.2020 15:30 | 0 - 0.5 ft | 680737-067 |
| Auger Hole 23 | S | 12.10.2020 15:35 | 0.5 - 1 ft | 680737-068 |
| Auger Hole 23 | S | 12.10.2020 15:40 | 1 - 1.5 ft | 680737-069 |
| Auger Hole 24 | S | 12.10.2020 15:45 | 0 - 0.5 ft | 680737-070 |
| Auger Hole 24 | S | 12.10.2020 15:50 | 0.5 - 1 ft | 680737-071 |
| Auger Hole 24 | S | 12.10.2020 15:55 | 1 - 1.5 ft | 680737-072 |
| Auger Hole 25 | S | 12.10.2020 16:00 | 0 - 0.5 ft | 680737-073 |
| Auger Hole 25 | S | 12.10.2020 16:05 | 0.5 - 1 ft | 680737-074 |
| Auger Hole 25 | S | 12.10.2020 16:10 | 1 - 1.5 ft | 680737-075 |
| North Site    | S | 12.10.2020 16:15 | 0 - 0.5 ft | 680737-076 |
| South Site    | S | 12.10.2020 16:20 | 0 - 0.5 ft | 680737-077 |
| West Site     | S | 12.10.2020 16:25 | 0 - 0.5 ft | 680737-078 |
| East Site     | S | 12.10.2020 16:30 | 0 - 0.5 ft | 680737-079 |

## CASE NARRATIVE

**Client Name: American Safety Services**  
**Project Name: Cimarex-Crawford 27 26 Fee 15H**

Project ID:

Work Order Number(s): 680737

Report Date: 12.17.2020

Date Received: 12.11.2020

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**Sample receipt non conformances and comments:**

**Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**

Batch: LBA-3144856 Chloride by EPA 300

Lab Sample ID 680737-014 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 680737-004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 1**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-001

Date Collected: 12.10.2020 10:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 12.11.2020 18:45

% Moisture:  
Basis: Wet Weight

Seq Number: 3144717

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1480   | 49.9 | mg/kg | 12.12.2020 04:43 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 1**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-002

Date Collected: 12.10.2020 10:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 12.11.2020 18:45

% Moisture:  
Basis: Wet Weight

Seq Number: 3144717

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 207    | 4.97 | mg/kg | 12.12.2020 04:48 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 1**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-003

Date Collected: 12.10.2020 10:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Date Prep: 12.11.2020 18:45

% Moisture:  
Basis: Wet Weight

Analyst: SPC

Seq Number: 3144717

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 233    | 5.03 | mg/kg | 12.12.2020 04:54 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 2**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-004

Date Collected: 12.10.2020 10:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 2000   | 25.0 | mg/kg | 12.14.2020 17:20 | X    | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 2**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-005

Date Collected: 12.10.2020 10:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1830   | 24.8 | mg/kg | 12.14.2020 17:36 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 2**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-006

Date Collected: 12.10.2020 10:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1580   | 25.1 | mg/kg | 12.14.2020 17:41 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 3**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-007

Date Collected: 12.10.2020 10:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 173    | 50.0 | mg/kg | 12.14.2020 17:47 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 3**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-008

Date Collected: 12.10.2020 10:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 143    | 5.00 | mg/kg | 12.14.2020 17:52 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 3**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-009

Date Collected: 12.10.2020 10:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 130    | 5.00 | mg/kg | 12.14.2020 18:07 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 4**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-010

Date Collected: 12.10.2020 10:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 4480   | 50.5 | mg/kg | 12.14.2020 18:13 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 4**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-011

Date Collected: 12.10.2020 10:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 243    | 4.98 | mg/kg | 12.14.2020 18:18 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 4**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-012

Date Collected: 12.10.2020 10:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 390    | 4.95 | mg/kg | 12.14.2020 18:23 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 5**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-013

Date Collected: 12.10.2020 11:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 116    | 5.04 | mg/kg | 12.14.2020 18:28 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 5**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-014

Date Collected: 12.10.2020 11:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 111    | 5.05 | mg/kg | 12.14.2020 18:34 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 5**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-015

Date Collected: 12.10.2020 11:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 98.5   | 4.96 | mg/kg | 12.14.2020 18:49 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 6**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-016

Date Collected: 12.10.2020 11:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1030   | 24.8 | mg/kg | 12.14.2020 18:54 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 6**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-017

Date Collected: 12.10.2020 11:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>89.6</b> | 4.98 | mg/kg | 12.14.2020 19:10 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 6**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-018

Date Collected: 12.10.2020 11:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 73.3   | 5.02 | mg/kg | 12.14.2020 19:15 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 7**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-019

Date Collected: 12.10.2020 11:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 750    | 49.5 | mg/kg | 12.14.2020 19:21 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 7**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-020

Date Collected: 12.10.2020 11:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>96.6</b> | 4.95 | mg/kg | 12.14.2020 19:26 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 7**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-021

Date Collected: 12.10.2020 11:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 90.4   | 4.97 | mg/kg | 12.14.2020 19:31 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 8**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-022

Date Collected: 12.10.2020 11:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 271    | 49.9 | mg/kg | 12.14.2020 19:36 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 8**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-023

Date Collected: 12.10.2020 11:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 08:50

% Moisture:  
Basis: Wet Weight

Seq Number: 3144856

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 25.7   | 5.02 | mg/kg | 12.14.2020 19:41 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 8**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-024

Date Collected: 12.10.2020 11:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 11.2   | 5.03 | mg/kg | 12.14.2020 11:07 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 9**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-025

Date Collected: 12.10.2020 12:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 596    | 4.99 | mg/kg | 12.14.2020 11:22 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 9**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-026

Date Collected: 12.10.2020 12:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 621    | 4.96 | mg/kg | 12.14.2020 11:28 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 9**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-027

Date Collected: 12.10.2020 12:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 527    | 4.95 | mg/kg | 12.14.2020 11:33 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 10**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-028

Date Collected: 12.10.2020 12:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1300   | 25.2 | mg/kg | 12.14.2020 11:38 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 10**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-029

Date Collected: 12.10.2020 12:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1000   | 4.95 | mg/kg | 12.14.2020 11:54 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 10**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-030

Date Collected: 12.10.2020 12:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 768    | 4.95 | mg/kg | 12.14.2020 11:59 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 11**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-031

Date Collected: 12.10.2020 12:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 123    | 49.5 | mg/kg | 12.14.2020 12:04 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 11**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-032

Date Collected: 12.10.2020 12:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 150    | 4.99 | mg/kg | 12.14.2020 12:09 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 11**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-033

Date Collected: 12.10.2020 12:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 151    | 4.97 | mg/kg | 12.14.2020 12:14 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 12**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-034

Date Collected: 12.10.2020 12:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 575    | 49.6 | mg/kg | 12.14.2020 12:20 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 12**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-035

Date Collected: 12.10.2020 12:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 106    | 50.2 | mg/kg | 12.14.2020 12:35 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 12**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-036

Date Collected: 12.10.2020 12:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>64.6</b> | 5.00 | mg/kg | 12.14.2020 12:40 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 13**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-037

Date Collected: 12.10.2020 13:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 2760   | 99.0 | mg/kg | 12.14.2020 12:56 |      | 20  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 13**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-038

Date Collected: 12.10.2020 13:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 248    | 5.04 | mg/kg | 12.14.2020 13:01 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 13**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-039

Date Collected: 12.10.2020 13:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 137    | 4.95 | mg/kg | 12.14.2020 13:06 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 14**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-040

Date Collected: 12.10.2020 13:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 3090   | 99.0 | mg/kg | 12.14.2020 13:11 |      | 20  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 14**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-041

Date Collected: 12.10.2020 13:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 159    | 4.95 | mg/kg | 12.14.2020 13:17 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 14**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-042

Date Collected: 12.10.2020 13:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 09:15

% Moisture:  
Basis: Wet Weight

Seq Number: 3144859

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 281    | 5.00 | mg/kg | 12.14.2020 13:22 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 15**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-043

Date Collected: 12.10.2020 13:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 396    | 24.9 | mg/kg | 12.14.2020 13:58 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 15**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-044

Date Collected: 12.10.2020 13:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 252    | 4.99 | mg/kg | 12.14.2020 14:14 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 15**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-045

Date Collected: 12.10.2020 13:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 318    | 5.04 | mg/kg | 12.14.2020 14:19 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 16**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-046

Date Collected: 12.10.2020 13:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 547    | 24.8 | mg/kg | 12.14.2020 14:24 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 16**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-047

Date Collected: 12.10.2020 13:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 551    | 24.8 | mg/kg | 12.14.2020 14:29 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 16**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-048

Date Collected: 12.10.2020 13:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 547    | 24.8 | mg/kg | 12.14.2020 14:45 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 17**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-049

Date Collected: 12.10.2020 14:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 2380   | 24.8 | mg/kg | 12.14.2020 14:50 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 17**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-050

Date Collected: 12.10.2020 14:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 417    | 5.00 | mg/kg | 12.14.2020 14:55 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 17**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-051

Date Collected: 12.10.2020 14:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 367    | 5.00 | mg/kg | 12.14.2020 15:00 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 18**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-052

Date Collected: 12.10.2020 14:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 2130   | 25.2 | mg/kg | 12.14.2020 15:06 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 18**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-053

Date Collected: 12.10.2020 14:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 153    | 4.99 | mg/kg | 12.14.2020 15:11 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 18**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-054

Date Collected: 12.10.2020 14:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 168    | 5.05 | mg/kg | 12.14.2020 15:26 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 19**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-055

Date Collected: 12.10.2020 14:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 235    | 24.9 | mg/kg | 12.14.2020 15:32 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 19**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-056

Date Collected: 12.10.2020 14:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 444    | 4.97 | mg/kg | 12.14.2020 15:47 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 19**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-057

Date Collected: 12.10.2020 14:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 466    | 5.00 | mg/kg | 12.14.2020 15:52 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 20**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-058

Date Collected: 12.10.2020 14:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 1080   | 24.8 | mg/kg | 12.14.2020 15:58 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 20**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-059

Date Collected: 12.10.2020 14:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 176    | 5.03 | mg/kg | 12.14.2020 16:03 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 20**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-060

Date Collected: 12.10.2020 14:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 164    | 4.98 | mg/kg | 12.14.2020 16:08 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 21**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-061

Date Collected: 12.10.2020 15:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 889    | 24.8 | mg/kg | 12.14.2020 16:13 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 21**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-062

Date Collected: 12.10.2020 15:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 11:55

% Moisture:  
Basis: Wet Weight

Seq Number: 3144861

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>31.4</b> | 5.04 | mg/kg | 12.14.2020 16:18 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 21**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-063

Date Collected: 12.10.2020 15:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 37.9   | 4.96 | mg/kg | 12.15.2020 10:47 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 22**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-064

Date Collected: 12.10.2020 15:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>67.1</b> | 50.0 | mg/kg | 12.15.2020 10:42 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 22**

Matrix: **Soil**

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-065

Date Collected: 12.10.2020 15:20

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **SPC**

Analyst: **CHE**

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 112    | 4.97 | mg/kg | 12.15.2020 11:03 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 22**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-066

Date Collected: 12.10.2020 15:25

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 120    | 5.03 | mg/kg | 12.15.2020 11:08 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 23**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-067

Date Collected: 12.10.2020 15:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 266    | 49.6 | mg/kg | 12.15.2020 11:23 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 23**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-068

Date Collected: 12.10.2020 15:35

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 395    | 24.8 | mg/kg | 12.15.2020 11:29 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 23**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-069

Date Collected: 12.10.2020 15:40

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 481    | 25.2 | mg/kg | 12.15.2020 11:34 |      | 5   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 24**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-070

Date Collected: 12.10.2020 15:45

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 262    | 50.0 | mg/kg | 12.15.2020 11:39 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 24**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-071

Date Collected: 12.10.2020 15:50

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: CHE

Date Prep: 12.14.2020 13:20

% Moisture:  
Basis: Wet Weight

Seq Number: 3144883

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 233    | 5.00 | mg/kg | 12.15.2020 11:44 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 24**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-072

Date Collected: 12.10.2020 15:55

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 295    | 5.02 | mg/kg | 12.15.2020 15:13 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 25**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-073

Date Collected: 12.10.2020 16:00

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 541    | 50.4 | mg/kg | 12.15.2020 15:28 |      | 10  |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 25**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-074

Date Collected: 12.10.2020 16:05

Sample Depth: 0.5 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 74.5   | 4.98 | mg/kg | 12.15.2020 15:34 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **Auger Hole 25**

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-075

Date Collected: 12.10.2020 16:10

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 101    | 5.05 | mg/kg | 12.15.2020 15:39 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **North Site**

Matrix: **Soil**

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-076

Date Collected: 12.10.2020 16:15

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **CHE**

Analyst: **CHE**

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>43.8</b> | 4.95 | mg/kg | 12.15.2020 15:44 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **South Site**

Matrix: **Soil**

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-077

Date Collected: 12.10.2020 16:20

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **CHE**

Analyst: **CHE**

Date Prep: 12.14.2020 13:25

% Moisture:  
Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 101    | 4.95 | mg/kg | 12.15.2020 16:00 | 1    |     |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: West Site

Matrix: Soil

Date Received: 12.11.2020 11:10

Lab Sample Id: 680737-078

Date Collected: 12.10.2020 16:25

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Basis: Wet Weight

Seq Number: 3145028

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 91.9   | 4.98 | mg/kg | 12.15.2020 17:37 |      | 1   |

# Certificate of Analytical Results 680737

## American Safety Services, Odessa, TX

Cimarex-Crawford 27 26 Fee 15H

Sample Id: **East Site**

Matrix: **Soil**

Date Received: 12.11.2020 11:10

Lab Sample Id: **680737-079**

Date Collected: 12.10.2020 16:30

Sample Depth: 0 - 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **CHE**

% Moisture:

Analyst: **CHE**

Basis: **Wet Weight**

Seq Number: **3145028**

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>235</b> | 49.9 | mg/kg | 12.15.2020 17:42 |      | 10  |

## 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.      **ND** Not Detected.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK**      Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory 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



**American Safety Services**  
Cimarex-Crawford 27 26 Fee 15H

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3144717          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7716959-1-BLK    | LCS Sample Id: 7716959-1-BKS |                   |                 |                    | Date Prep: 12.11.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 263               | 105             | 262                | 105                   | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.12.2020 02:13 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3144856          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7717020-1-BLK    | LCS Sample Id: 7717020-1-BKS |                   |                 |                    | Date Prep: 12.14.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 272               | 109             | 270                | 108                   | 90-110        | 1           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.14.2020 17:10 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3144859          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7717022-1-BLK    | LCS Sample Id: 7717022-1-BKS |                   |                 |                    | Date Prep: 12.14.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 260               | 104             | 259                | 104                   | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.14.2020 10:56 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3144861          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7717023-1-BLK    | LCS Sample Id: 7717023-1-BKS |                   |                 |                    | Date Prep: 12.14.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 261               | 104             | 258                | 103                   | 90-110        | 1           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.14.2020 13:48 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3144883          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7717047-1-BLK    | LCS Sample Id: 7717047-1-BKS |                   |                 |                    | Date Prep: 12.14.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 256               | 102             | 256                | 102                   | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.15.2020 09:24 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3145028          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7717049-1-BLK    | LCS Sample Id: 7717049-1-BKS |                   |                 |                    | Date Prep: 12.14.2020 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 261               | 104             | 260                | 104                   | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 12.15.2020 15:02 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

[D] = 100\*(C-A) / B  
RPD = 200\* | (C-E) / (C+E) |  
[D] = 100 \* (C) / [B]  
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
A = Parent Result  
C = MS/LCS Result  
E = MSD/LCSD Result

MS = Matrix Spike  
B = Spike Added  
D = MSD/LCSD % Rec



## QC Summary 680737

American Safety Services  
Cimarex-Crawford 27 26 Fee 15H**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144717    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680769-003 | MS Sample Id: 680769-003 S |              |           |         |            |          | Date Prep: 12.11.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 304                        | 1260         | 1600      | 103     | 1600       | 103      | 90-110                | 0    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144717    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680770-002 | MS Sample Id: 680770-002 S |              |           |         |            |          | Date Prep: 12.11.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 793                        | 1240         | 2100      | 105     | 2100       | 105      | 90-110                | 0    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144856    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680737-004 | MS Sample Id: 680737-004 S |              |           |         |            |          | Date Prep: 12.14.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 2000                       | 1250         | 3360      | 109     | 3390       | 111      | 90-110                | 1    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144856    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680737-014 | MS Sample Id: 680737-014 S |              |           |         |            |          | Date Prep: 12.14.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 111                        | 253          | 376       | 105     | 377        | 105      | 90-110                | 0    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144859    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680737-024 | MS Sample Id: 680737-024 S |              |           |         |            |          | Date Prep: 12.14.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 11.2                       | 252          | 265       | 101     | 265        | 101      | 90-110                | 0    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

**Analytical Method: Chloride by EPA 300**

|                   |            |                            |              |           |         |            |          |                       |      |           |               |
|-------------------|------------|----------------------------|--------------|-----------|---------|------------|----------|-----------------------|------|-----------|---------------|
| Seq Number:       | 3144859    | Matrix: Soil               |              |           |         |            |          | Prep Method: E300P    |      |           |               |
| Parent Sample Id: | 680737-034 | MS Sample Id: 680737-034 S |              |           |         |            |          | Date Prep: 12.14.2020 |      |           |               |
| <b>Parameter</b>  |            | Parent Result              | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits                | %RPD | RPD Limit | Units         |
| Chloride          |            | 575                        | 2480         | 3090      | 101     | 3080       | 101      | 90-110                | 0    | 20        | mg/kg         |
|                   |            |                            |              |           |         |            |          |                       |      |           | Analysis Date |
|                   |            |                            |              |           |         |            |          |                       |      |           | Flag          |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 680737

American Safety Services  
Cimarex-Crawford 27 26 Fee 15H**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3144861       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680737-043    | MS Sample Id: 680737-043 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 396           | 1250                       | 1750      | 108     | 1720       | 106      | 90-110 | 2                     | 20        | mg/kg | 12.14.2020 14:03 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3144861       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680737-053    | MS Sample Id: 680737-053 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 153           | 250                        | 406       | 101     | 404        | 100      | 90-110 | 0                     | 20        | mg/kg | 12.14.2020 15:16 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3144883       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680737-063    | MS Sample Id: 680737-063 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 37.9          | 248                        | 301       | 106     | 297        | 104      | 90-110 | 1                     | 20        | mg/kg | 12.15.2020 10:52 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3144883       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680875-001    | MS Sample Id: 680875-001 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 32.3          | 253                        | 309       | 109     | 304        | 107      | 90-110 | 2                     | 20        | mg/kg | 12.15.2020 09:40 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3145028       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680737-072    | MS Sample Id: 680737-072 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 295           | 251                        | 570       | 110     | 570        | 110      | 90-110 | 0                     | 20        | mg/kg | 12.15.2020 15:18 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3145028       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 680790-003    | MS Sample Id: 680790-003 S |           |         |            |          |        | Date Prep: 12.14.2020 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 21.7          | 250                        | 310       | 115     | 309        | 115      | 90-110 | 0                     | 20        | mg/kg | 12.15.2020 18:03 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       | X                |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



Setting the Standard since 1990

Dallas, Texas (214-902-0300)

Stanford, Texas (817-240-4200)

Midland, Texas (432-704-5251)

San Antonio, Texas (210-593-3334)

Phoenix, Arizona (480-355-0900)

# CHAIN OF CUSTODY

Page 1 of 8

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Xenco Quote # Xenco Job # 680737

Matrix Codes

| Client / Reporting Information                          |   | Project Information                                       |                            | Analytical Information                                   |            | Matrix Codes   |  |
|---|---|---|----------------------------|--|------------|--|--|
| Company Name / Branch:<br>American Safety Services Inc. | Project Name/Number:<br>Cimarex-Crawford 27 26 Frac 15H | Project Location:<br>8715 Andrews Hwy<br>Odessa, TX 79765 | Phone No.:<br>432-557-9868 | Invoice To: Cimarex Tell Midland<br>tmtmtoya@cimarex.com | PO Number: | W = Water<br>S = Soil/Sed/Solid<br>GW = Ground Water<br>DW = Drinking Water<br>P = Product<br>SW = Surface water<br>SL = Sludge<br>OW = Ocean/Sea Water<br>WI = Wipe<br>O = Oil<br>WW = Waste Water<br>A = Air |  |

| No. | Field ID / Point of Collection | Collection              | Number of preserved bottles | Chloride 300 | Notes:      |
|-----|--------------------------------|-------------------------|-----------------------------|--------------|-------------|
| 1   | Auger Hole 1                   | Sample Depth<br>0'-0.5' | Date<br>12/10/2020          | Time<br>1600 | Matrix<br>S |
| 2   | Auger Hole 1                   | 0.5'-1'                 | 12/10/2020                  | 1605         | 1           |
| 3   | Auger Hole 1                   | 1'-1.5'                 | 12/10/2020                  | 1010         | 1           |
| 4   | Auger Hole 2                   | 0'-0.5'                 | 12/10/2020                  | 1015         | 1           |
| 5   | Auger Hole 2                   | 0.5'-1'                 | 12/10/2020                  | 1020         | 1           |
| 6   | Auger Hole 2                   | 1'-1.5'                 | 12/10/2020                  | 1025         | 1           |
| 7   | Auger Hole 3                   | 0'-0.5'                 | 12/10/2020                  | 1030         | 1           |
| 8   | Auger Hole 3                   | 0.5'-1'                 | 12/10/2020                  | 1035         | 1           |
| 9   | Auger Hole 3                   | 1'-1.5'                 | 12/10/2020                  | 1040         | 1           |
| 10  | Auger Hole 4                   | 0'-0.5'                 | 12/10/2020                  | 1045         | 1           |

Turnaround Time (Business days)      Data Deliverable Information      Notes:

Same Day TAT       5 Day TAT       Level II Std QC       Level IV (Full Data Pkg / raw data)

Next Day EMERGENCY       7 Day TAT       Level III Std QC- Forms       TRRP Level IV

2 Day EMERGENCY       Contract TAT       Level 3 (CLP Forms)       UST / RG-411

3 Day EMERGENCY       TRRP Checklist

TAT Starts Day received by Lab, if received by 5:00 pm

SAMPLE CUSTODY MUST BE DOCUMENTED PROJECT BY PROJECT. THE SAMPLED OWNER DETERMINES THE CUSTODY OF THE SAMPLES.

Relinquished by Sampler: Mark De Long Received By: J. M. Kanner Relinquished By:  Date Time: 12/11/20 1110 Received By:  Date Time:

Relinquished By:  Received By:  Relinquished By:  Received By:  Date Time:  Received By:

3 Relinquished by:  Received By:  Relinquished By:  Received By:  Date Time:  Received By:

5 Relinquished by:  Received By:  Relinquished By:  Received By:  Date Time:  Received By:

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# CHAIN OF CUSTODY

Page 2 of 8

| Client / Reporting Information                                |   | Project Information                              |  | Analytical Information                                      |                          | Matrix Codes    |                          |
|---|---|--|--|---|--------------------------|-----------------|--------------------------|
| Company Name/ Branch:<br><b>American Safety Services Inc.</b> | Project Name/Number:<br><b>Cutter - Crawford 27 26 Fc 15H</b> | Project Location:<br><b>Eddy Co. NM</b>          | Phone No.:<br>432-557-9868                       | PO Number:  | Xenco Quote #            | Xenco Job #     | <b>680737</b>            |
| Company Address:<br>8715 Andrews Hwy<br>Odessa, Tx 79765      | Email:<br>tfranklin@americansafety.net                        | Invoice To:                                      |  |   |                          |                 |                          |
| Project Contact:<br><b>Thomas Franklin</b>                    | Sampler's Name  |  |  |   |                          |                 |                          |
| No.   | Field ID / Point of Collection                                | Collection                                       |  | Number of preserved bottles                                 |                          |                 |                          |
| Sample Depth  | Date  | Time   | Matrix   | # of bottles  | HCl                      | NaOH/Zn Acetate | W = Water                |
|   |   |  |  |   |                          | HNO3            | S = Soil/Sed/Solid       |
|   |   |  |  |   |                          | H2SO4           | DW = Ground Water        |
|   |   |  |  |   |                          | NaOH            | P = Product              |
|   |   |  |  |   |                          | NaHSO4          | SW = Surface water       |
|   |   |  |  |   |                          | MEOH            | SL = Sludge              |
|   |   |  |  |   |                          | NONE            | OW = Ocean/Sea Water     |
|   |   |  |  |   |                          |                 | WI = Wipe                |
|   |   |  |  |   |                          |                 | O = Oil                  |
|   |   |  |  |   |                          |                 | WW = Waste Water         |
|   |   |  |  |   |                          |                 | A = Air                  |
| 1   | Auger Hole 4  | 05-1   | 12/10/2020                                       | 1050  | S                        | 1 X             |                          |
| 2   | Auger Hole 4  | 145  | 12/10/2020                                       | 1055  | S                        | 1 X             | X                        |
| 3   | Auger Hole 5  | 0-05   | 12/10/2020                                       | 1100  | S                        | 1 X             | X                        |
| 4   | Auger Hole 5  | 05-1   | 12/10/2020                                       | 1105  | S                        | 1 X             | X                        |
| 5   | Auger Hole 5  | 1-15   | 12/10/2020                                       | 1110  | S                        | 1 X             | X                        |
| 6   | Auger Hole 6  | 0-05   | 12/10/2020                                       | 1115  | S                        | 1 X             | X                        |
| 7   | Auger Hole 6  | 0-5-1  | 12/10/2020                                       | 1120  | S                        | 1 X             | X                        |
| 8   | Auger Hole 6  | 1-15   | 12/10/2020                                       | 1125  | S                        | 1 X             | X                        |
| 9   | Auger Hole 7  | 0-05   | 12/10/2020                                       | 1130  | S                        | 1 X             | X                        |
| 10  | Auger Hole 7  | 05-1   | 12/10/2020                                       | 1135  | S                        | 1 X             | X                        |
|   | Turnaround Time (Business days)                               |  |  |   |                          |                 |                          |
| <input type="checkbox"/>                                      | Same Day TAT  | <input type="checkbox"/> 5 Day TAT               | <input type="checkbox"/> Level II Std QC         | <input type="checkbox"/> Level IV (Full Data Pkg /raw data) |                          |                 |                          |
| <input type="checkbox"/>                                      | Next Day EMERGENCY  | <input type="checkbox"/> 7 Day TAT               | <input type="checkbox"/> Level III Std QC+ Forms | <input type="checkbox"/> TRRP Level IV                      |                          |                 |                          |
| <input type="checkbox"/>                                      | 2 Day EMERGENCY   | <input checked="" type="checkbox"/> Contract TAT | <input type="checkbox"/> Level 3 (CLP Forms)     | <input type="checkbox"/> UST / RG-411                       |                          |                 |                          |
| <input type="checkbox"/>                                      | 3 Day EMERGENCY   |  | <input type="checkbox"/> TRRP Checklist          |   |                          |                 |                          |
| <b>TAT Starts Day received by Lab, if received by 5:00 pm</b> |   |  |  |   |                          |                 |                          |
| <b>FEDEX / UPS: Tracking #</b>                                |   |  |  |   |                          |                 |                          |
| Relinquished by Sampler:<br><b>Mark De Lina</b>               |   | Received By:<br><b>J. PLAMER</b>                 | Relinquished By:<br><b>1</b>                     | Date Time:<br>12/10/20 1110                                 | Received By:<br><b>2</b> | Date Time:<br>2 | Received By:<br><b>3</b> |
| Relinquished by:<br><b>3</b>                                  |   | Received By:<br><b>3</b>                         | Relinquished By:<br><b>4</b>                     | Date Time:<br>3   | Received By:<br><b>4</b> | Date Time:<br>4 | Received By:<br><b>4</b> |
| Relinquished by:<br><b>5</b>                                  |   | Date Time:<br>5                                  | Custody Seal #                                   | Preserved where applicable                                  | On Ice                   | Cooler Temp.    | Thermo. Corr. Factor     |

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# CHAIN OF CUSTODY

Page 3 of 8

| Client / Reporting Information   | Project Information   | Analytical Information | Matrix Codes |
|--|---|------------------------|--------------|
| Company Name / Branch:<br><b>American Safety Services Inc.</b><br>Company Address:<br>8715 Andrews Hwy<br>Odessa, TX 79765<br>Email:<br>tfranklin@americansafetyv.net<br>Project Contact:<br>Thomas Franklin<br>Sampler's Name | Project Name/Number:<br><b>Cidwell - Certified 2726 Fcc 15H</b><br>Project Location:<br><b>Eddy Co. NM</b><br>Phone No:<br>432-557-9868<br>PO Number: |                        |              |

| No. | Field ID / Point of Collection | Collection                      | Number of preserved bottles | Chloride 300  | Field Comments |
|-----|--------------------------------|---------------------------------|-----------------------------|---|----------------|
| 1   | Auger Hole 7                   | Sample Depth                    | Date                        | Time  | Matrix         |
| 2   | Auger Hole 8                   | 1-15                            | 12/10/2020                  | 1140  | S              |
| 3   | Auger Hole 8                   | 0-05                            | 12/10/2020                  | 1145  | S              |
| 4   | Auger Hole 8                   | 05-1                            | 12/10/2020                  | 1150  | S              |
| 5   | Auger Hole 9                   | 1-15                            | 12/10/2020                  | 1155  | S              |
| 6   | Auger Hole 9                   | 0-05                            | 12/10/2020                  | 1200  | S              |
| 7   | Auger Hole 9                   | 0-5-1                           | 12/10/2020                  | 1205  | S              |
| 8   | Auger Hole 10                  | 1-15                            | 12/10/2020                  | 1210  | S              |
| 9   | Auger Hole 10                  | 0-05                            | 12/10/2020                  | 1215  | S              |
| 10  | Auger Hole 10                  | 0-5-1                           | 12/10/2020                  | 1220  | S              |
|     |                                | Turnaround Time (Business days) |                             |   |                |
|     |                                |                                 |                             | Data Deliverable Information  | Notes:         |
|     |                                |                                 |                             | <input type="checkbox"/> Same Day TAT <input type="checkbox"/> 5 Day TAT <input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg /raw data) |                |
|     |                                |                                 |                             | <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV        |                |
|     |                                |                                 |                             | <input type="checkbox"/> 2 Day EMERGENCY <input checked="" type="checkbox"/> Contract TAT <input type="checkbox"/> Level 3 (C/LP Forms) <input type="checkbox"/> UST / RG-411 |                |
|     |                                |                                 |                             | <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> TRRP Checklist  |                |

## TAT Starts Day received by Lab, if received by 5:00 pm

**SAMPLE CUSTODY MUST BE DOCUMENTED FOR EACH SAMPLE RECEIVED**

|                                 |               |                                 |                  |            |              |
|---------------------------------|---------------|---------------------------------|------------------|------------|--------------|
| Relinquished by Sampler         | Date Time:    | Received By:                    | Relinquished By: | Date Time: | Received By: |
| 1 <i>M. J. Gietz / DeClerck</i> | 12/10/20 1110 | 1 <i>M. J. Gietz / DeClerck</i> | 2                |            |              |

Relinquished by:

3 Relinquished by:

5 Relinquished by:

**FED-EX / UPS: Tracking #**

|   |            |              |                            |        |              |                      |
|---|------------|--------------|----------------------------|--------|--------------|----------------------|
| 3 | Date Time: | Received By: | Preserved where applicable | On Ice | Cooler Temp. | Thermo. Corr. Factor |
| 5 | Date Time: | Received By: | 4                          | 4      |              |                      |

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Xenco Quote # **U80737** Xenco Job # **U80737**

Project Information

Analytical Information

Matrix Codes

Project Name/Number:  
**CIMARRON - Crawford 27 26 Free 154**  
Project Location:  
**Eddy Co NM**

W = Water  
S = Soil/Sed/Solid  
GW = Ground Water  
DW = Drinking Water  
P = Product  
SW = Surface water  
SL = Sludge  
OW = Ocean/Sea Water  
WI = Wipe  
O = Oil  
WW = Waste Water  
A = Air

Phone No:

432-557-9868

Invoice To:

PO Number:

Project Contact:  
**Thomas Franklin**  
Sampler's Name

Received By:  
**Thomas Franklin**

No.

Field ID / Point of Collection

Collection

Number of preserved bottles

Sample Depth

Date

Time

Matrix

# of bottles

HCl

NaOH/Zn Acetate

HNO3

H2SO4

NaOH

NaHSO4

MEOH

NONE

Field Comments

Chloride 300

Received By:  
**Thomas Franklin**

Notes:

| No. | Field ID / Point of Collection | Collection | Number of preserved bottles | Sample Depth | Date       | Time | Matrix | # of bottles | HCl | NaOH/Zn Acetate | HNO3 | H2SO4 | NaOH | NaHSO4 | MEOH | NONE | Field Comments | Chloride 300 |
|-----|--------------------------------|------------|-----------------------------|--------------|------------|------|--------|--------------|-----|-----------------|------|-------|------|--------|------|------|----------------|--------------|
| 1   | Auger Hole 1                   | 1230       | S                           | 0'0.5'       | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 2   | Auger Hole 1                   | 1235       | S                           | 0.5'-1'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 3   | Auger Hole 1                   | 1240       | S                           | 1'-1.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 4   | Auger Hole 12                  | 1245       | S                           | 0'-0.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 5   | Auger Hole 12                  | 1250       | S                           | 0.5'-1'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 6   | Auger Hole 13                  | 1255       | S                           | 1'-1.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 7   | Auger Hole 13                  | 1300       | S                           | 0'-0.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 8   | Auger Hole 13                  | 1305       | S                           | 0.5'-1'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 9   | Auger Hole 13                  | 1310       | S                           | 1'-1.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |
| 10  | Auger Hole 14                  | 1315       | S                           | 0'-0.5'      | 12/10/2020 |      |        | 1            | X   |                 |      |       |      |        | X    |      |                |              |

Turnaround Time (Business days)

Data Deliverable Information

Notes:

- Same Day TAT
- 5 Day TAT
- Level II Std QC
- Level IV (Full Data Pkg /raw data)
- Next Day EMERGENCY
- 7 Day TAT
- Level III Std QC+ Forms
- TRRP Level IV
- 2 Day EMERGENCY
- Contract TAT
- Level 3 (CLP Forms)
- UST / RG-411
- TRRP Checklist

TAT Starts Day received by Lab, if received by 5:00 pm

FED-EX / UPS: Tracking #

RELINQUISHED BY THE SAMPLER, NOT XENCO, FOR SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

1 **Mike De Leon**  
Relinquished by:  
*Mike De Leon*

2 Received By:  
*Mike De Leon*

3 Received By:  
*Mike De Leon*

4 Custody Seal # **4**  
Preserved where applicable  On Ice  Cooler Temp.  Thermo. Corr. Factor

5 Received By:  
*Mike De Leon*

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# CHAIN OF CUSTODY

Phoenix, Arizona (480-355-0900)

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Xenco Quote # Xenco Job # 108073

| Client / Reporting Information                                 |  | Project Information   |  | Analytical Information |  | Matrix Codes |  |
|--|--|---|--|------------------------|--|--------------|--|
| Company Name / Branch:<br><b>American Safety Services Inc.</b> |  | Project Name/Number:<br><b>Citex - Crawford 27 26 Fr. 154</b> |  |                        |  |              |  |
| Company Address:<br>8715 Andrews Hwy<br>Odessa TX 79765        |  | Project Location:<br><b>Eddy co. NM</b>                       |  |                        |  |              |  |
| Email:<br>ffranklin@americansafety.net                         |  | Phone No.:<br>432-557-9868                                    |  |                        |  |              |  |
| Project Contact:<br>Thomas Franklin                            |  | PO Number:  |  |                        |  |              |  |
| Sampler's Name   |  |   |  |                        |  |              |  |

| No. | Field ID / Point of Collection  | Collection                          | Number of preserved bottles | Chloride 300             |                         |                          |                                     |
|-----|---------------------------------|-------------------------------------|-----------------------------|--------------------------|-------------------------|--------------------------|-------------------------------------|
| 1   | Auger Hole 14                   | Sample Depth                        | Date                        | Time                     | Matrix                  | # of bottles             | Field Comments                      |
| 2   | Auger Hole 14                   | 0.5'-1'                             | 12/10/2020                  | 1320                     | S                       | 1                        | X                                   |
| 3   | Auger Hole 15                   | 1'-1.5'                             | 12/10/2020                  | 1325                     | S                       | 1                        | X                                   |
| 4   | Auger Hole 15                   | 0'-0.5'                             | 12/10/2020                  | 1330                     | S                       | 1                        | X                                   |
| 5   | Auger Hole 15                   | 0.5'-1'                             | 12/10/2020                  | 1335                     | S                       | 1                        | X                                   |
| 6   | Auger Hole 16                   | 1'-1.5'                             | 12/10/2020                  | 1340                     | S                       | 1                        | X                                   |
| 7   | Auger Hole 16                   | 0'-0.5'                             | 12/10/2020                  | 1345                     | S                       | 1                        | X                                   |
| 8   | Auger Hole 16                   | 0.5'-1'                             | 12/10/2020                  | 1350                     | S                       | 1                        | X                                   |
| 9   | Auger Hole 17                   | 1'-1.5'                             | 12/10/2020                  | 1355                     | S                       | 1                        | X                                   |
| 10  | Auger Hole 17                   | 0'-0.5'                             | 12/10/2020                  | 1400                     | S                       | 1                        | X                                   |
|     | Turnaround Time (Business days) |                                     |                             |                          |                         |                          |                                     |
|     | Same Day TAT                    | <input type="checkbox"/>            | 5 Day TAT                   | <input type="checkbox"/> | Level II Std QC         | <input type="checkbox"/> | Level IV (Full Data Pkg / raw data) |
|     | Next Day EMERGENCY              | <input type="checkbox"/>            | 7 Day TAT                   | <input type="checkbox"/> | Level III Std QC+ Forms | <input type="checkbox"/> | TRIP Level IV                       |
|     | 2 Day EMERGENCY                 | <input checked="" type="checkbox"/> | Contract TAT                | <input type="checkbox"/> | Level 3 (CLP Forms)     | <input type="checkbox"/> | UST / RG 411                        |
|     | 3 Day EMERGENCY                 | <input type="checkbox"/>            |                             | <input type="checkbox"/> | TRIP Checklist          | <input type="checkbox"/> |                                     |

| FED-EX / UPS Tracking # |                     |                     |                     |                     |                     |                     |                     |
|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Received By:            | Relinquished By:    | Date Time:          | Received By:        | Relinquished By:    | Date Time:          | Received By:        | Relinquished By:    |
| 1. <i>J. Palmer</i>     | 1. <i>J. Palmer</i> | 12/11/20 1110       | 2. <i>J. Palmer</i> |
| Received By:            | Relinquished By:    | Date Time:          | Received By:        | Relinquished By:    | Date Time:          | Received By:        | Relinquished By:    |
| 3. <i>J. Palmer</i>     | 3. <i>J. Palmer</i> | 3. <i>J. Palmer</i> | 4. <i>J. Palmer</i> |

| Chain of Custody Record                     |                                   |                                      |                             |                                  |                                      |                                   |                                     |
|---|-----------------------------------|--------------------------------------|-----------------------------|----------------------------------|--------------------------------------|-----------------------------------|-------------------------------------|
| Customer Information                        |                                   |                                      |                             |                                  |                                      |                                   |                                     |
| Relinquished by Samplec<br><i>J. Palmer</i> | Received By:<br><i>J. Palmer</i>  | Relinquished By:<br><i>J. Palmer</i> | Date Time:<br>12/11/20 1110 | Received By:<br><i>J. Palmer</i> | Relinquished By:<br><i>J. Palmer</i> | Date Time:<br>2. <i>J. Palmer</i> | Received By:<br>2. <i>J. Palmer</i> |
| Relinquished by:<br><i>J. Palmer</i>        | Date Time:<br>3. <i>J. Palmer</i> | Received By:<br><i>J. Palmer</i>     | Custody Seal #              | Preserved where applicable       | On Ice                               | Cooler Temp.                      | Thermo. Corr. Factor                |
| Relinquished by:<br><i>J. Palmer</i>        | Date Time:<br>5. <i>J. Palmer</i> | Received By:<br><i>J. Palmer</i>     |                             |                                  |                                      |                                   |                                     |

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## CHAIN OF CUSTODY

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Received by OCD: 2/23/2021 8:24:23 AM

| Client / Reporting Information                                |   | Project Information  |                                   | Analytical Information                           |            | Matrix Codes  |   |
|---|---|--|-----------------------------------|--|------------|---|---|
| Company Name/ Branch:<br><b>American Safety Services Inc.</b> | Project Name/Number:<br><b>Coker - Crawford 27 26 Fr. 15H</b> | Project Location:<br><b>8715 Andrews Hwy<br/>Odessa TX 79765</b> | Invoice To:<br><b>Eddy Co. NM</b> | Phone No.:<br>432-557-9868                       | PO Number: |   |   |
| Sampler's Name:<br><b>Thomas Franklin</b>                     | Collection  |  | Number of preserved bottles       |  |            |   |   |
| No.   | Field ID / Point of Collection                                | Sample Depth   | Date                              | Time   | Matrix     | # of bottles  |   |
| 1   | Auger Hole <b>17</b>  | 1-1.5'   | 12/10/2020                        | 1410   | S          | 1   | X |
| 2   | Auger Hole <b>18</b>  | 0-0.5'   | 12/10/2020                        | 1415   | S          | 1   | X |
| 3   | Auger Hole <b>18</b>  | 0.5-1'   | 12/10/2020                        | 1420   | S          | 1   | X |
| 4   | Auger Hole <b>18</b>  | 1-1.5'   | 12/10/2020                        | 1425   | S          | 1   | X |
| 5   | Auger Hole <b>19</b>  | 0-0.5'   | 12/10/2020                        | 1430   | S          | 1   | X |
| 6   | Auger Hole <b>19</b>  | 0.5-1'   | 12/10/2020                        | 1435   | S          | 1   | X |
| 7   | Auger Hole <b>19</b>  | 1-1.5'   | 12/10/2020                        | 1440   | S          | 1   | X |
| 8   | Auger Hole <b>20</b>  | 0-0.5'   | 12/10/2020                        | 1445   | S          | 1   | X |
| 9   | Auger Hole <b>20</b>  | 0.5-1'   | 12/10/2020                        | 1450   | S          | 1   | X |
| 10  | Auger Hole <b>20</b>  | 1-1.5'   | 12/10/2020                        | 1455   | S          | 1   | X |
| Turnaround Time (Business days)                               |   | Data Deliverable Information                                     |                                   | Notes:   |            |   |   |
| <input type="checkbox"/> Same Day TAT                         |   | <input type="checkbox"/> 5 Day TAT                               |                                   | <input type="checkbox"/> Level II Std QC         |            | <input type="checkbox"/> Level IV (Full Data Pkg /raw data) |   |
| <input type="checkbox"/> Next Day EMERGENCY                   |   | <input type="checkbox"/> 7 Day TAT                               |                                   | <input type="checkbox"/> Level III Std QC+ Forms |            | <input type="checkbox"/> TRRP Level IV                      |   |
| <input type="checkbox"/> 2 Day EMERGENCY                      |   | <input checked="" type="checkbox"/> Contract TAT                 |                                   | <input type="checkbox"/> Level 3 (GLP Forms)     |            | <input type="checkbox"/> UST / RG-411                       |   |
| <input type="checkbox"/> 3 Day EMERGENCY                      |   | <input type="checkbox"/> TRRP Checklist                          |                                   |  |            |   |   |
| TAT Starts Day received by Lab, if received by 5:00 pm        |   |  |                                   |  |            |   |   |
| FED-EX / UPS: Tracking #                                      |   |  |                                   |  |            |   |   |
| Relinquished by Sampler:<br><b>Michael Delano</b>             |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Relinquished by:<br><b>Michael Delano</b>                     |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| 3 Relinquished by:  |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| 5 Relinquished by:  |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Date Time:<br><b>12/11/20 11:10</b>                           |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Date Time:<br><b>12/11/20 11:10</b>                           |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Date Time:<br><b>3</b>  |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Date Time:<br><b>5</b>  |   | Received By:<br><b>M. H. Hameel</b>                              |                                   | Relinquished By:                                 |            | Date Time:  |   |
| Custody Seal #  |   | Preserved where applicable                                       |                                   | On Ice   |            | Cooler Temp.  |   |
|   |   |  |                                   |  |            | Thermo. Corr. Factor  |   |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$50 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.



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# CHAIN OF CUSTODY

Page 7 of 8

Phoenix, Arizona (480-355-0900)

San Antonio, Texas (210-508-9344)  
Midland, Texas (432-704-5251)

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Xenco Quote #

Xenco Job # 1080737

| Client / Reporting Information                                 |  | Project Information  |  | Analytical Information |  | Matrix Codes |  |
|--|--|--|--|------------------------|--|--------------|--|
| Company Name / Branch:<br><b>American Safety Services Inc.</b> |  | Project Name/Number:<br><b>Citarc-Crawford 27 26 Fee 15H</b> |  |                        |  |              |  |
| Company Address:<br>8715 Andrews Hwy<br>Odessa, TX 79765       |  | Project Location:<br><b>Eddy Co NM</b>                       |  |                        |  |              |  |
| Email:<br>tfranklin@americansafety.net                         |  | Phone No.:<br>432-557-9868                                   |  |                        |  |              |  |
| Project Contact:<br><b>Thomas Franklin</b>                     |  |  |  |                        |  |              |  |
| Sampler's Name   |  |  |  |                        |  |              |  |

| No. | Field ID / Point of Collection              | Collection                                       | Number of preserved bottles                      | Data Deliverable Information                                 |        | Notes:       |                |
|-----|---|--|--|--|--------|--------------|----------------|
| 1   | Auger Hole 21                               | Sample Depth                                     | Date   | Time   | Matrix | # of bottles | Field Comments |
| 2   | Auger Hole 21                               | 0-0.5'   | 12/10/2020                                       | 1500   | S      | 1            | X              |
| 3   | Auger Hole 21                               | 0.5-1'   | 12/10/2020                                       | 1505   | S      | 1            | X              |
| 4   | Auger Hole 22                               | 1-1.5'   | 12/10/2020                                       | 1510   | S      | 1            | X              |
| 5   | Auger Hole 22                               | 0-0.5'   | 12/10/2020                                       | 1515   | S      | 1            | X              |
| 6   | Auger Hole 22                               | 0.5-1'   | 12/10/2020                                       | 1520   | S      | 1            | X              |
| 7   | Auger Hole 23                               | 1-1.5'   | 12/10/2020                                       | 1525   | S      | 1            | X              |
| 8   | Auger Hole 23                               | 0-0.5'   | 12/10/2020                                       | 1530   | S      | 1            | X              |
| 9   | Auger Hole 23                               | 1-1.5'   | 12/10/2020                                       | 1535   | S      | 1            | X              |
| 10  | Auger Hole 24                               | 0-0.5'   | 12/10/2020                                       | 1540   | S      | 1            | X              |
|     | Turnaround Time (Business days)             |  |  |  |        |              |                |
|     | <input type="checkbox"/> Same Day TAT       | <input type="checkbox"/> 5 Day TAT               | <input type="checkbox"/> Level II Std QC         | <input type="checkbox"/> Level IV (Full Data Pkg / raw data) |        |              |                |
|     | <input type="checkbox"/> Next Day EMERGENCY | <input type="checkbox"/> 7 Day TAT               | <input type="checkbox"/> Level III Std QC+ Forms | <input type="checkbox"/> TRRP Level IV                       |        |              |                |
|     | <input type="checkbox"/> 2 Day EMERGENCY    | <input checked="" type="checkbox"/> Contract TAT | <input type="checkbox"/> Level 3 (CLP Forms)     | <input type="checkbox"/> USIT / RG-411                       |        |              |                |
|     | <input type="checkbox"/> 3 Day EMERGENCY    |  | <input type="checkbox"/> TRRP Checklist          |  |        |              |                |

| FED-EX / UPS: Tracking #  |                  |                |                            |                  |              |                      |                  |
|---------------------------|------------------|----------------|----------------------------|------------------|--------------|----------------------|------------------|
| Received By:              | Relinquished By: | Date Time:     | Received By:               | Relinquished By: | Date Time:   | Received By:         | Relinquished By: |
| 1 / T. Franklin / De Lina | 1                | 12/11/20 1110  | 2                          | 12/11/20 1110    | 2            | 12/11/20 1110        | 2                |
| Date Time:                | Received By:     | Date Time:     | Received By:               | Received By:     | Date Time:   | Received By:         | Received By:     |
| 3                         | 3                | 3              | 4                          | 4                | 4            | 4                    | 4                |
| Date Time:                | Received By:     | Custody Seal # | Preserved where applicable | On Ice           | Cooler Temp. | Thermo. Corr. Factor |                  |

Received by OCD: 2/23/2021 8:24:23 AM

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of services. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed Client contract.



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## CHAIN OF CUSTODY

10

San Antonio, Texas (210-509-3334)

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b) N [ ]

**Notice:** Notice of this document and relinquishment of samples consists of losses or expenses incurred by the Client if such losses are due to circumstances not being enforced unless previously negotiated under a fully executed client contract.

**Eurofins Xenco, LLC**  
**Prelogin/Nonconformance Report- Sample Log-In**

**Client:** American Safety Services

Acceptable Temperature Range: 0 - 6 degC

**Date/ Time Received:** 12.11.2020 11.10.00 AM

Air and Metal samples Acceptable Range: Ambient

**Work Order #:** 680737

Temperature Measuring device used : IR8

| Sample Receipt Checklist                                | Comments |
|---|----------|
| #1 *Temperature of cooler(s)?                           | 4.7      |
| #2 *Shipping container in good condition?               | Yes      |
| #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)?                           | N/A      |
| #18 Water VOC samples have zero headspace?              | N/A      |

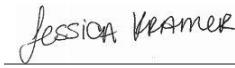
\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

**Checklist completed by:**
  
Brianna Teel  
\_\_\_\_\_  
Brianna Teel

Date: 12.11.2020

**Checklist reviewed by:**
  
Jessica Kramer  
\_\_\_\_\_  
Jessica Kramer

Date: 12.14.2020

**Project Name:** Cimarex-Crawford 27-26 Fee 15H

**Project Id:** Date Received in Lab: Wed 01.13.2021 08:30

**Contact:** Thomas Franklin  
**Project Location:** Eddy Co. NM

**Report Date:** 01.22.2021 14:21

**Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>          |  | <i>Lab Id:</i><br><i>Field Id:</i><br>Confirmation Sample 1 2ft | <i>Lab Id:</i><br>684458-001         | <i>Depth:</i><br>01.12.2021 10:00 | <i>Matrix:</i><br>SOIL            | <i>Field Id:</i><br>Confirmation Sample 2 2ft | <i>Lab Id:</i><br>684458-003          | <i>Depth:</i><br>01.12.2021 10:10    | <i>Matrix:</i><br>SOIL    | <i>Field Id:</i><br>Confirmation Sample 3 2ft | <i>Lab Id:</i><br>684458-004 | <i>Depth:</i><br>01.12.2021 10:15     | <i>Matrix:</i><br>SOIL               | <i>Field Id:</i><br>Confirmation Sample 4 1.5 | <i>Lab Id:</i><br>684458-005      | <i>Depth:</i><br>01.12.2021 10:20 | <i>Matrix:</i><br>SOIL                | <i>Field Id:</i><br>Confirmation Sample 5 1.5 | <i>Lab Id:</i><br>684458-006 | <i>Depth:</i><br>01.12.2021 10:25 |                        |
|------------------------------------|--|---|--------------------------------------|-----------------------------------|-----------------------------------|---|---------------------------------------|--------------------------------------|---------------------------|---|------------------------------|---------------------------------------|--------------------------------------|---|-----------------------------------|-----------------------------------|---------------------------------------|---|------------------------------|-----------------------------------|------------------------|
| <b>BTEX by EPA 8021B</b>           |  | <i>Extracted:</i><br>01.13.2021 09:00                           | <i>Analyzed:</i><br>01.13.2021 13:14 | <i>Units/RL:</i><br>mg/kg         | <i>Depth:</i><br>01.13.2021 10:05 | <i>Matrix:</i><br>SOIL                        | <i>Extracted:</i><br>01.13.2021 09:00 | <i>Analyzed:</i><br>01.13.2021 13:34 | <i>Units/RL:</i><br>mg/kg | <i>Depth:</i><br>01.13.2021 13:55             | <i>Matrix:</i><br>SOIL       | <i>Extracted:</i><br>01.13.2021 09:00 | <i>Analyzed:</i><br>01.13.2021 14:15 | <i>Units/RL:</i><br>mg/kg                     | <i>Depth:</i><br>01.13.2021 14:35 | <i>Matrix:</i><br>SOIL            | <i>Extracted:</i><br>01.13.2021 09:00 | <i>Analyzed:</i><br>01.13.2021 14:35          | <i>Units/RL:</i><br>mg/kg    | <i>Depth:</i><br>01.13.2021 14:56 | <i>Matrix:</i><br>SOIL |
| Benzene                            |  | <0.00200  | 0.00200                              | <0.00200                          | 0.00200                           | RL  | <0.00200                              | 0.00200                              | <0.00200                  | 0.00200                                       | RL                           | <0.00200                              | 0.00200                              | <0.00200                                      | 0.00200                           | <0.00200                          | 0.00200                               | <0.00200                                      | 0.00200                      | RL                                |                        |
| Toluene                            |  | <0.00200  | 0.00200                              | <0.00200                          | 0.00200                           | RL  | <0.00200                              | 0.00200                              | <0.00200                  | 0.00200                                       | RL                           | <0.00200                              | 0.00200                              | <0.00200                                      | 0.00200                           | <0.00200                          | 0.00200                               | <0.00200                                      | 0.00200                      | RL                                |                        |
| Ethylbenzene                       |  | <0.00200  | 0.00200                              | <0.00200                          | 0.00200                           | RL  | <0.00200                              | 0.00200                              | <0.00200                  | 0.00200                                       | RL                           | <0.00200                              | 0.00200                              | <0.00200                                      | 0.00200                           | <0.00200                          | 0.00200                               | <0.00200                                      | 0.00200                      | RL                                |                        |
| m,p-Xylenes                        |  | <0.00399  | 0.00399                              | <0.00401                          | 0.00401                           | RL  | <0.00403                              | 0.00403                              | <0.00402                  | 0.00402                                       | RL                           | <0.00402                              | 0.00402                              | <0.00402                                      | 0.00402                           | <0.00401                          | 0.00401                               | <0.00401                                      | 0.00401                      | RL                                |                        |
| o-Xylene                           |  | <0.00200  | 0.00200                              | <0.00200                          | 0.00200                           | RL  | <0.00202                              | 0.00202                              | <0.00201                  | 0.00201                                       | RL                           | <0.00201                              | 0.00201                              | <0.00201                                      | 0.00201                           | <0.00200                          | 0.00200                               | <0.00200                                      | 0.00200                      | RL                                |                        |
| Total Xylenes                      |  | <0.002  | 0.002                                | <0.002                            | 0.002                             | RL  | <0.002                                | 0.002                                | <0.002                    | 0.002   | RL                           | <0.002                                | 0.002                                | <0.002  | 0.002                             | <0.002                            | 0.002                                 | <0.002  | 0.002                        | RL                                |                        |
| Total BTEX                         |  | <0.002  | 0.002                                | <0.002                            | 0.002                             | RL  | <0.00202                              | 0.00202                              | <0.00201                  | 0.00201                                       | RL                           | <0.00201                              | 0.00201                              | <0.00201                                      | 0.00201                           | <0.002                            | 0.002                                 | <0.002  | 0.002                        | RL                                |                        |
| <b>Chloride by EPA 300</b>         |  | <i>Extracted:</i><br>01.14.2021 09:05                           | <i>Analyzed:</i><br>01.14.2021 13:55 | <i>Units/RL:</i><br>mg/kg         | <i>Depth:</i><br>01.14.2021 12:00 | <i>Matrix:</i><br>SOIL                        | <i>Extracted:</i><br>01.14.2021 09:05 | <i>Analyzed:</i><br>01.14.2021 14:00 | <i>Units/RL:</i><br>mg/kg | <i>Depth:</i><br>01.14.2021 14:05             | <i>Matrix:</i><br>SOIL       | <i>Extracted:</i><br>01.14.2021 09:05 | <i>Analyzed:</i><br>01.14.2021 14:11 | <i>Units/RL:</i><br>mg/kg                     | <i>Depth:</i><br>01.14.2021 14:15 | <i>Matrix:</i><br>SOIL            | <i>Extracted:</i><br>01.14.2021 09:05 | <i>Analyzed:</i><br>01.14.2021 14:27          | <i>Units/RL:</i><br>mg/kg    | <i>Depth:</i><br>01.14.2021 14:32 | <i>Matrix:</i><br>SOIL |
| Chloride                           |  | 37.1  | 5.00                                 | 39.8                              | 5.03                              | RL  | 150                                   | 4.98                                 | 150                       | 4.98  | RL                           | 150                                   | 4.98                                 | 150   | 4.98                              | 157                               | 5.04                                  | 167   | 4.97                         | RL                                |                        |
| <b>TPH By SW8015 Mod</b>           |  | <i>Extracted:</i><br>01.13.2021 12:00                           | <i>Analyzed:</i><br>01.13.2021 15:06 | <i>Units/RL:</i><br>mg/kg         | <i>Depth:</i><br>01.13.2021 16:00 | <i>Matrix:</i><br>SOIL                        | <i>Extracted:</i><br>01.13.2021 12:00 | <i>Analyzed:</i><br>01.13.2021 16:19 | <i>Units/RL:</i><br>mg/kg | <i>Depth:</i><br>01.13.2021 16:19             | <i>Matrix:</i><br>SOIL       | <i>Extracted:</i><br>01.13.2021 12:00 | <i>Analyzed:</i><br>01.13.2021 16:37 | <i>Units/RL:</i><br>mg/kg                     | <i>Depth:</i><br>01.13.2021 16:37 | <i>Matrix:</i><br>SOIL            | <i>Extracted:</i><br>01.13.2021 12:00 | <i>Analyzed:</i><br>01.13.2021 16:56          | <i>Units/RL:</i><br>mg/kg    | <i>Depth:</i><br>01.13.2021 17:15 | <i>Matrix:</i><br>SOIL |
| Gasoline Range Hydrocarbons (GR)   |  | <50.0   | 50.0                                 | <50.0                             | 50.0                              | RL  | <50.0                                 | 50.0                                 | <50.0                     | 50.0  | RL                           | <49.9                                 | 49.9                                 | <49.9   | 49.9                              | <49.9                             | 49.9                                  | <50.0   | 50.0                         | RL                                |                        |
| Diesel Range Organics (DRO)        |  | <50.0   | 50.0                                 | 63.8                              | 50.0                              | RL  | <50.0                                 | 50.0                                 | <50.0                     | 50.0  | RL                           | <49.9                                 | 49.9                                 | <49.9   | 49.9                              | <50.0                             | 50.0                                  | <50.0   | 50.0                         | RL                                |                        |
| Motor Oil Range Hydrocarbons (MRO) |  | <50.0   | 50.0                                 | <50.0                             | 50.0                              | RL  | <50.0                                 | 50.0                                 | <50.0                     | 50.0  | RL                           | <49.9                                 | 49.9                                 | <49.9   | 49.9                              | <50.0                             | 50.0                                  | <50.0   | 50.0                         | RL                                |                        |
| Total TPH                          |  | <50   | 50                                   | 63.8                              | 50                                | RL  | <50                                   | 50                                   | <50                       | 50  | RL                           | <49.9                                 | 49.9                                 | <49.9   | 49.9                              | <50                               | 50                                    | <50   | 50                           | RL                                |                        |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



**Project Name:** Cimarex-Crawford 27-26 Fee 15H

**Project Id:**

 Thomas Franklin  
 Contact:  
 Project Location: Eddy Co. NM

**Date Received in Lab:** Wed 01.13.2021 08:30

**Report Date:** 01.22.2021 14:21

**Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>          |  | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>684458-007</i><br>Confirmation Sample 7 6in           | <i>684458-008</i><br>Confirmation Sample 8 6in           | <i>684458-009</i><br>Confirmation Sample 9 6in           | <i>684458-010</i><br>Confirmation Sample 10 6in          | <i>684458-011</i><br>Confirmation Sample 11 6in          | <i>684458-012</i><br>Confirmation Sample 12 6in          |
|------------------------------------|--|--|--|--|--|--|--|--|
| <b>BTEX by EPA 8021B</b>           |  | <i>SOIL</i><br><i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                 | 01.12.2021 10:30<br>01.13.2021 09:00<br>01.13.2021 15:16 | 01.12.2021 10:35<br>01.13.2021 09:00<br>01.13.2021 15:36 | 01.12.2021 10:40<br>01.13.2021 09:00<br>01.13.2021 15:57 | 01.12.2021 10:45<br>01.13.2021 09:00<br>01.13.2021 16:17 | 01.12.2021 10:50<br>01.13.2021 09:00<br>01.13.2021 17:40 | 01.12.2021 10:55<br>01.13.2021 09:00<br>01.13.2021 18:00 |
| Benzene                            |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.00200   | 0.00200  | <0.00199   | <0.00199   |
| Toluene                            |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.00200   | 0.00200  | <0.00199   | <0.00199   |
| Ethylbenzene                       |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.00200   | 0.00200  | <0.00199   | <0.00199   |
| m,p-Xylenes                        |  | <i>mg/kg</i><br><i>RL</i>  | <0.00402   | 0.00402  | <0.00399   | 0.00399  | <0.00398   | <0.00398   |
| o-Xylene                           |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.00200   | 0.00200  | <0.00199   | <0.00199   |
| Total Xylenes                      |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.002   | 0.002  | <0.00199   | <0.00199   |
| Total BTEX                         |  | <i>mg/kg</i><br><i>RL</i>  | <0.00201   | 0.00201  | <0.002   | 0.002  | <0.00199   | <0.00199   |
| <b>Chloride by EPA 300</b>         |  | <i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                                | 01.14.2021 09:05<br>01.14.2021 14:48                     | 01.14.2021 09:05<br>01.14.2021 14:53                     | 01.14.2021 09:05<br>01.14.2021 14:59                     | 01.14.2021 09:05<br>01.14.2021 15:04                     | 01.14.2021 09:05<br>01.14.2021 15:09                     | 01.14.2021 09:05<br>01.14.2021 15:15                     |
| Chloride                           |  | <i>mg/kg</i><br><i>RL</i>  | 159  | 4.99   | 284  | 4.96   | 226  | 4.95   |
|                                    |  |  |  |  |  | 220  | 4.95   | 178  |
| <b>TPH By SW8015 Mod</b>           |  | <i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                                | 01.13.2021 12:00<br>01.13.2021 17:33                     | 01.13.2021 12:00<br>01.13.2021 17:52                     | 01.13.2021 12:00<br>01.13.2021 18:10                     | 01.13.2021 12:00<br>01.13.2021 18:28                     | 01.13.2021 12:00<br>01.13.2021 19:05                     | 01.13.2021 12:00<br>01.13.2021 19:24                     |
| Gasoline Range Hydrocarbons (GR)   |  | <i>mg/kg</i><br><i>RL</i>  | <49.9  | 49.9   | <50.0  | 50.0   | <49.9  | <49.9  |
| Diesel Range Organics (DRO)        |  | <i>mg/kg</i><br><i>RL</i>  | <49.9  | 49.9   | <50.0  | 50.0   | <49.9  | <49.9  |
| Motor Oil Range Hydrocarbons (MRO) |  | <i>mg/kg</i><br><i>RL</i>  | <49.9  | 49.9   | <50.0  | 50.0   | <49.9  | <49.9  |
| Total TPH                          |  | <i>mg/kg</i><br><i>RL</i>  | <49.9  | 49.9   | <50  | 50   | <50  | <49.9  |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



# Certificate of Analysis Summary 684458

## American Safety Services, Odessa, TX

### Project Name: Cimarex-Crawford 27-26 Fee 15H

**Project Id:**                      Thomas Franklin  
**Contact:**                      Eddy Co. NM

**Date Received in Lab:**    Wed 01.13.2021 08:30  
**Report Date:**                01.22.2021 14:21  
**Project Manager:**           Jessica Kramer

| <b>Analysis Requested</b>          |                  | <b>Lab Id:</b><br><i>Field Id:</i> Confirmation Sample 13.6 | <b>684458-013</b> | <b>684458-014</b> | <b>684458-015</b> | <b>684458-016</b> | <b>684458-017</b> | <b>684458-018</b> |
|------------------------------------|------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Depth:</b>                      | SOIL             | S Wall 1  | S Wall 2          | S Wall 3          | S Wall 4          | S Wall 5          |                   |                   |
| <b>Matrix:</b>                     | SOIL             |   | SOIL              | SOIL              | SOIL              |                   | SOIL              | SOIL              |
| <b>Sampled:</b>                    | 01.12.2021 11:00 | 01.12.2021 00:00  | 01.12.2021 00:00  | 01.12.2021 00:00  | 01.12.2021 00:00  | 01.12.2021 00:00  | 01.12.2021 00:00  | 01.12.2021 00:00  |
| <b>BTEX by EPA 8021B</b>           |                  |   |                   |                   |                   |                   |                   |                   |
| <b>Extracted:</b>                  | 01.13.2021 09:00 | 01.13.2021 09:00  | 01.13.2021 09:00  | 01.13.2021 09:00  | 01.13.2021 09:00  | 01.13.2021 09:00  | 01.13.2021 09:00  | 01.13.2021 09:00  |
| <b>Analyzed:</b>                   | 01.13.2021 18:20 | 01.13.2021 18:41  | 01.13.2021 19:01  | 01.13.2021 19:22  | 01.13.2021 19:42  | 01.13.2021 19:42  | 01.13.2021 19:42  | 01.13.2021 19:42  |
| <b>Units/RL:</b>                   | mg/kg            | RL  | mg/kg             | RL                | mg/kg             | RL                | mg/kg             | RL                |
| Benzene                            | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.00200          | 0.00200           | <0.00202          | 0.00202           |
| Toluene                            | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.00200          | 0.00200           | <0.00202          | 0.00202           |
| Ethylbenzene                       | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.00200          | 0.00200           | <0.00202          | 0.00202           |
| m,p-Xylenes                        | <0.00402         | 0.00402   | <0.00398          | 0.00398           | <0.00399          | 0.00399           | <0.00403          | 0.00403           |
| o-Xylene                           | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.00200          | 0.00200           | <0.00202          | 0.00202           |
| Total Xylenes                      | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.002            | 0.002             | <0.00202          | 0.00202           |
| Total BTEX                         | <0.00201         | 0.00201   | <0.00199          | 0.00199           | <0.002            | 0.002             | <0.00202          | 0.00202           |
| <b>Chloride by EPA 300</b>         |                  |   |                   |                   |                   |                   |                   |                   |
| <b>Extracted:</b>                  | 01.14.2021 09:05 | 01.14.2021 09:25  | 01.14.2021 09:25  | 01.14.2021 09:25  | 01.14.2021 09:25  | 01.14.2021 09:25  | 01.14.2021 09:25  | 01.14.2021 09:25  |
| <b>Analyzed:</b>                   | 01.14.2021 15:20 | 01.14.2021 19:28  | 01.14.2021 19:44  | 01.14.2021 19:44  | 01.14.2021 19:49  | 01.14.2021 19:49  | 01.14.2021 19:54  | 01.14.2021 19:54  |
| <b>Units/RL:</b>                   | mg/kg            | RL  | mg/kg             | RL                | mg/kg             | RL                | mg/kg             | RL                |
| Chloride                           | 118              | 24.8  | 72.9              | 4.95              | 59.3              | 5.03              | 43.2              | 4.97              |
| <b>TPH By SW8015 Mod</b>           |                  |   |                   |                   |                   |                   |                   |                   |
| <b>Extracted:</b>                  | 01.13.2021 12:00 | 01.13.2021 12:00  | 01.13.2021 12:00  | 01.13.2021 12:00  | 01.13.2021 12:00  | 01.13.2021 12:00  | 01.13.2021 12:00  | 01.13.2021 12:00  |
| <b>Analyzed:</b>                   | 01.13.2021 19:42 | 01.13.2021 20:02  | 01.13.2021 20:21  | 01.13.2021 20:40  | 01.13.2021 20:40  | 01.13.2021 20:40  | 01.13.2021 20:40  | 01.13.2021 20:40  |
| <b>Units/RL:</b>                   | mg/kg            | RL  | mg/kg             | RL                | mg/kg             | RL                | mg/kg             | RL                |
| Gasoline Range Hydrocarbons (GR)   | <49.9            | 49.9  | <49.8             | 49.8              | <50.0             | 50.0              | <49.9             | 49.9              |
| Diesel Range Organics (DRO)        | <49.9            | 49.9  | <49.8             | 49.8              | <50.0             | 50.0              | <49.9             | 49.9              |
| Motor Oil Range Hydrocarbons (MRO) | <49.9            | 49.9  | <49.8             | 49.8              | <50.0             | 50.0              | <49.9             | 49.9              |
| Total TPH                          | <49.9            | 49.9  | <49.8             | 49.8              | <50               | 50                | <49.9             | 49.9              |

RL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



# Analytical Report 684458

for

## American Safety Services

Project Manager: Thomas Franklin

Cimarex-Crawford 27- 26 Fee 15H

**01.22.2021**

Collected By: Client



**1211 W. Florida Ave  
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)  
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



01.22.2021

Project Manager: **Thomas Franklin**  
**American Safety Services**  
8715 Andrews Hwy  
Odessa, TX 79765

Reference: Eurofins Xenco, LLC Report No(s): **684458**

**Cimarex-Crawford 27- 26 Fee 15H**  
Project Address: Eddy Co. NM

**Thomas Franklin:**

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 Eurofins Xenco, LLC Report Number(s) 684458. 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 Eurofins Xenco, LLC. 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. 684458 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "jessica kramer".

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**Jessica Kramer**  
Project Manager

*A Small Business and Minority Company*

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Sample Cross Reference 684458

**American Safety Services, Odessa, TX**

Cimarex-Crawford 27- 26 Fee 15H

| Sample Id                       | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|---------------------------------|--------|------------------|--------------|---------------|
| Confirmation Sample 1 2ft @ EB  | S      | 01.12.2021 10:00 |              | 684458-001    |
| Confirmation Sample 2 2ft @ EB  | S      | 01.12.2021 10:05 |              | 684458-002    |
| Confirmation Sample 3 2ft @ EB  | S      | 01.12.2021 10:10 |              | 684458-003    |
| Confirmation Sample 4 1.5 @ EB  | S      | 01.12.2021 10:15 |              | 684458-004    |
| Confirmation Sample 5 1.5 @ EB  | S      | 01.12.2021 10:20 |              | 684458-005    |
| Confirmation Sample 6 6in @ EB  | S      | 01.12.2021 10:25 |              | 684458-006    |
| Confirmation Sample 7 6in@ EB   | S      | 01.12.2021 10:30 |              | 684458-007    |
| Confirmation Sample 8 6in @ EB  | S      | 01.12.2021 10:35 |              | 684458-008    |
| Confirmation Sample 9 6in @ EB  | S      | 01.12.2021 10:40 |              | 684458-009    |
| Confirmation Sample 10 6in@ EB  | S      | 01.12.2021 10:45 |              | 684458-010    |
| Confirmation Sample 11 6in @ EB | S      | 01.12.2021 10:50 |              | 684458-011    |
| Confirmation Sample 12 6in @ EB | S      | 01.12.2021 10:55 |              | 684458-012    |
| Confirmation Sample 13 6in @ EB | S      | 01.12.2021 11:00 |              | 684458-013    |
| S Wall 1                        | S      | 01.12.2021 00:00 |              | 684458-014    |
| S Wall 2                        | S      | 01.12.2021 00:00 |              | 684458-015    |
| S Wall 3                        | S      | 01.12.2021 00:00 |              | 684458-016    |
| S Wall 4                        | S      | 01.12.2021 00:00 |              | 684458-017    |
| S Wall 5                        | S      | 01.12.2021 00:00 |              | 684458-018    |

## CASE NARRATIVE

***Client Name: American Safety Services***

***Project Name: Cimarex-Crawford 27- 26 Fee 15H***

Project ID:

Work Order Number(s): 684458

Report Date: 01.22.2021

Date Received: 01.13.2021

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**Sample receipt non conformances and comments:**

**Sample receipt non conformances and comments per sample:**

None

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 1 2ft @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-001 Date Collected: 01.12.2021 10:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 37.1   | 5.00 | mg/kg | 01.14.2021 13:55 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 15:06 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 15:06 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 15:06 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 15:06 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 87         | %     | 70-130 | 01.13.2021 15:06 |      |
| o-Terphenyl    | 84-15-1    | 96         | %     | 70-130 | 01.13.2021 15:06 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 1 2ft @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-001 Date Collected: 01.12.2021 10:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 13:14 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 120               | %            | 70-130           | 01.13.2021 13:14     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 92                | %            | 70-130           | 01.13.2021 13:14     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 2 2ft @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-002 Date Collected: 01.12.2021 10:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter       | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|-------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>39.8</b> | 5.03 | mg/kg | 01.14.2021 14:00 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0       | 50.0 | mg/kg | 01.13.2021 16:00 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b> | C10C28DRO  | <b>63.8</b> | 50.0 | mg/kg | 01.13.2021 16:00 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0       | 50.0 | mg/kg | 01.13.2021 16:00 | U    | 1   |
| <b>Total TPH</b>                   | PHC635     | <b>63.8</b> | 50   | mg/kg | 01.13.2021 16:00 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 86         | %     | 70-130 | 01.13.2021 16:00 |      |
| o-Terphenyl    | 84-15-1    | 91         | %     | 70-130 | 01.13.2021 16:00 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 2 2ft @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-002 Date Collected: 01.12.2021 10:05

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00401          | 0.00401           | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 13:34 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 113               | %            | 70-130           | 01.13.2021 13:34     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 89                | %            | 70-130           | 01.13.2021 13:34     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 3 2ft @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-003 Date Collected: 01.12.2021 10:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 150    | 4.98 | mg/kg | 01.14.2021 14:05 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 16:19 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 16:19 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 16:19 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 16:19 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 84         | %     | 70-130 | 01.13.2021 16:19 |      |
| o-Terphenyl    | 84-15-1    | 94         | %     | 70-130 | 01.13.2021 16:19 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 3 2ft @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-003 Date Collected: 01.12.2021 10:10

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MNR

Analyst: MNR

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 13:55 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 109               | %            | 70-130           | 01.13.2021 13:55     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 93                | %            | 70-130           | 01.13.2021 13:55     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 4 1.5 @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-004 Date Collected: 01.12.2021 10:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 150    | 4.96 | mg/kg | 01.14.2021 14:11 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 16:37 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 16:37 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 16:37 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 16:37 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 87         | %     | 70-130 | 01.13.2021 16:37 |      |
| o-Terphenyl    | 84-15-1    | 95         | %     | 70-130 | 01.13.2021 16:37 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 4 1.5 @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-004 Date Collected: 01.12.2021 10:15

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:15 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 94                | %            | 70-130           | 01.13.2021 14:15     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 110               | %            | 70-130           | 01.13.2021 14:15     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 5 1.5 @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-005 Date Collected: 01.12.2021 10:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 157    | 5.04 | mg/kg | 01.14.2021 14:27 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 16:56 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 16:56 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 16:56 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 16:56 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 82         | %     | 70-130 | 01.13.2021 16:56 |      |
| o-Terphenyl    | 84-15-1    | 89         | %     | 70-130 | 01.13.2021 16:56 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 5 1.5 @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-005 Date Collected: 01.12.2021 10:20

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 14:35 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 111               | %            | 70-130           | 01.13.2021 14:35     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 92                | %            | 70-130           | 01.13.2021 14:35     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 6 6in @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-006 Date Collected: 01.12.2021 10:25

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 167    | 4.97 | mg/kg | 01.14.2021 14:32 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 17:15 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 17:15 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 17:15 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 17:15 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 91         | %     | 70-130 | 01.13.2021 17:15 |      |
| o-Terphenyl    | 84-15-1    | 99         | %     | 70-130 | 01.13.2021 17:15 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 6 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-006 Date Collected: 01.12.2021 10:25

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00401          | 0.00401           | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 14:56 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 90                | %            | 70-130           | 01.13.2021 14:56     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 115               | %            | 70-130           | 01.13.2021 14:56     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 7 6in@ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-007 Date Collected: 01.12.2021 10:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 159    | 4.99 | mg/kg | 01.14.2021 14:48 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 17:33 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 17:33 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 17:33 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 17:33 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 81         | %     | 70-130 | 01.13.2021 17:33 |      |
| o-Terphenyl    | 84-15-1    | 88         | %     | 70-130 | 01.13.2021 17:33 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: Confirmation Sample 7 6in@ EB      Matrix: Soil      Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-007      Date Collected: 01.12.2021 10:30

Analytical Method: BTEX by EPA 8021B      Prep Method: SW5035A

Tech: MNR

Analyst: MNR

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| Toluene              | 108-88-3    | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00402   | 0.00402 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| Total BTEX           |             | <0.00201   | 0.00201 | mg/kg  | 01.13.2021 15:16 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 111        | %       | 70-130 | 01.13.2021 15:16 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 93         | %       | 70-130 | 01.13.2021 15:16 |      |     |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 8 6in @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-008 Date Collected: 01.12.2021 10:35

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 284    | 4.96 | mg/kg | 01.14.2021 14:53 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 17:52 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 17:52 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 17:52 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 17:52 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 82         | %     | 70-130 | 01.13.2021 17:52 |      |
| o-Terphenyl    | 84-15-1    | 93         | %     | 70-130 | 01.13.2021 17:52 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 8 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-008 Date Collected: 01.12.2021 10:35

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 15:36 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 113               | %            | 70-130           | 01.13.2021 15:36     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 92                | %            | 70-130           | 01.13.2021 15:36     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 9 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-009 Date Collected: 01.12.2021 10:40

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 226    | 4.95 | mg/kg | 01.14.2021 14:59 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 18:10 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 18:10 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 18:10 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 18:10 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 86         | %     | 70-130 | 01.13.2021 18:10 |      |
| o-Terphenyl    | 84-15-1    | 94         | %     | 70-130 | 01.13.2021 18:10 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: Confirmation Sample 9 6in @ EB Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-009 Date Collected: 01.12.2021 10:40

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MNR

Analyst: MNR

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
 Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00200   | 0.00200 | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| Toluene              | 108-88-3    | <0.00200   | 0.00200 | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00200   | 0.00200 | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00401   | 0.00401 | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00200   | 0.00200 | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.002     | 0.002   | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| Total BTEX           |             | <0.002     | 0.002   | mg/kg  | 01.13.2021 15:57 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 114        | %       | 70-130 | 01.13.2021 15:57 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 93         | %       | 70-130 | 01.13.2021 15:57 |      |     |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 10 6in@ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-010 Date Collected: 01.12.2021 10:45

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 220    | 4.95 | mg/kg | 01.14.2021 15:04 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 18:28 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 18:28 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 18:28 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 18:28 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 82         | %     | 70-130 | 01.13.2021 18:28 |      |
| o-Terphenyl    | 84-15-1    | 88         | %     | 70-130 | 01.13.2021 18:28 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 10 6in@ EB** Matrix: **Soil** Date Received:01.13.2021 08:30  
 Lab Sample Id: 684458-010 Date Collected:01.12.2021 10:45

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 16:17 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 93                | %            | 70-130           | 01.13.2021 16:17     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 109               | %            | 70-130           | 01.13.2021 16:17     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 11 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-011 Date Collected: 01.12.2021 10:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 178    | 5.03 | mg/kg | 01.14.2021 15:09 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 19:05 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 19:05 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 19:05 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 19:05 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 80         | %     | 70-130 | 01.13.2021 19:05 |      |
| o-Terphenyl    | 84-15-1    | 89         | %     | 70-130 | 01.13.2021 19:05 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 11 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-011 Date Collected: 01.12.2021 10:50

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MNR

Analyst: MNR

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 17:40 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 123               | %            | 70-130           | 01.13.2021 17:40     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 93                | %            | 70-130           | 01.13.2021 17:40     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 12 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-012 Date Collected: 01.12.2021 10:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 167    | 5.00 | mg/kg | 01.14.2021 15:15 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 19:24 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 19:24 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 19:24 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 19:24 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 82         | %     | 70-130 | 01.13.2021 19:24 |      |
| o-Terphenyl    | 84-15-1    | 89         | %     | 70-130 | 01.13.2021 19:24 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 12 6in @ EB** Matrix: **Soil** Date Received:01.13.2021 08:30  
 Lab Sample Id: 684458-012 Date Collected: 01.12.2021 10:55

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MNR

Analyst: MNR

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 18:00 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 113               | %            | 70-130           | 01.13.2021 18:00     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 93                | %            | 70-130           | 01.13.2021 18:00     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 13 6in @ EB** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-013 Date Collected: 01.12.2021 11:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:05 % Moisture:  
 Seq Number: 3147879 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 118    | 24.8 | mg/kg | 01.14.2021 15:20 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 19:42 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 19:42 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 19:42 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 19:42 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 81         | %     | 70-130 | 01.13.2021 19:42 |      |
| o-Terphenyl    | 84-15-1    | 88         | %     | 70-130 | 01.13.2021 19:42 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **Confirmation Sample 13 6in @ EB** Matrix: **Soil** Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-013 Date Collected: 01.12.2021 11:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.13.2021 18:20 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 94                | %            | 70-130           | 01.13.2021 18:20     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 112               | %            | 70-130           | 01.13.2021 18:20     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 1** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-014 Date Collected: 01.12.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:25 % Moisture:  
 Seq Number: 3147896 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 72.9   | 4.95 | mg/kg | 01.14.2021 19:28 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8  | 49.8 | mg/kg | 01.13.2021 20:02 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8  | 49.8 | mg/kg | 01.13.2021 20:02 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8  | 49.8 | mg/kg | 01.13.2021 20:02 | U    | 1   |
| Total TPH                          | PHC635     | <49.8  | 49.8 | mg/kg | 01.13.2021 20:02 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 77         | %     | 70-130 | 01.13.2021 20:02 |      |
| o-Terphenyl    | 84-15-1    | 84         | %     | 70-130 | 01.13.2021 20:02 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 1**  
 Lab Sample Id: 684458-014

Matrix: Soil  
 Date Collected: 01.12.2021 00:00

Date Received: 01.13.2021 08:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MNR  
 Analyst: MNR  
 Seq Number: 3147782

Date Prep: 01.13.2021 09:00

% Moisture:  
 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.13.2021 18:41 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 123               | %            | 70-130           | 01.13.2021 18:41     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 90                | %            | 70-130           | 01.13.2021 18:41     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 2** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-015 Date Collected: 01.12.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:25 % Moisture:  
 Seq Number: 3147896 Basis: Wet Weight

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>59.3</b> | 5.03 | mg/kg | 01.14.2021 19:44 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.13.2021 20:21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.13.2021 20:21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.13.2021 20:21 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.13.2021 20:21 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 72         | %     | 70-130 | 01.13.2021 20:21 |      |
| o-Terphenyl    | 84-15-1    | 79         | %     | 70-130 | 01.13.2021 20:21 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 2**

Matrix: **Soil**

Date Received: 01.13.2021 08:30

Lab Sample Id: 684458-015

Date Collected: 01.12.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Date Prep: 01.13.2021 09:00

% Moisture:

Seq Number: 3147782

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.13.2021 19:01 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 112               | %            | 70-130           | 01.13.2021 19:01     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 93                | %            | 70-130           | 01.13.2021 19:01     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 3** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-016 Date Collected: 01.12.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:25 % Moisture:  
 Seq Number: 3147896 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 43.2   | 4.97 | mg/kg | 01.14.2021 19:49 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 20:40 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 20:40 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 20:40 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 20:40 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 75         | %     | 70-130 | 01.13.2021 20:40 |      |
| o-Terphenyl    | 84-15-1    | 82         | %     | 70-130 | 01.13.2021 20:40 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 3** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-016 Date Collected: 01.12.2021 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MNR Analyst: MNR % Moisture:  
 Seq Number: 3147782 Date Prep: 01.13.2021 09:00 Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| Toluene              | 108-88-3    | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00403   | 0.00403 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| Total BTEX           |             | <0.00202   | 0.00202 | mg/kg  | 01.13.2021 19:22 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 118        | %       | 70-130 | 01.13.2021 19:22 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 89         | %       | 70-130 | 01.13.2021 19:22 |      |     |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 4** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-017 Date Collected: 01.12.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:25 % Moisture:  
 Seq Number: 3147896 Basis: Wet Weight

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <b>53.8</b> | 4.99 | mg/kg | 01.14.2021 19:54 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 01.13.2021 20:59 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 01.13.2021 20:59 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 01.13.2021 20:59 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 01.13.2021 20:59 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 77         | %     | 70-130 | 01.13.2021 20:59 |      |
| o-Terphenyl    | 84-15-1    | 85         | %     | 70-130 | 01.13.2021 20:59 |      |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 4**

Matrix: **Soil**

Date Received: 01.13.2021 08:30

Lab Sample Id: 684458-017

Date Collected: 01.12.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MNR**

Analyst: **MNR**

Date Prep: 01.13.2021 09:00

% Moisture:

Seq Number: 3147782

Basis: **Wet Weight**

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00404          | 0.00404           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.13.2021 19:42 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 94                | %            | 70-130           | 01.13.2021 19:42     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 109               | %            | 70-130           | 01.13.2021 19:42     |             |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 5** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-018 Date Collected: 01.12.2021 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE  
 Analyst: CHE Date Prep: 01.14.2021 09:25 % Moisture:  
 Seq Number: 3147896 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 96.4   | 25.3 | mg/kg | 01.14.2021 19:59 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM  
 Analyst: ARM Date Prep: 01.13.2021 12:00 % Moisture:  
 Seq Number: 3147790 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.13.2021 21:19 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.13.2021 21:19 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.13.2021 21:19 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.13.2021 21:19 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 85         | %     | 70-130 | 01.13.2021 21:19 |      |     |
| o-Terphenyl                        | 84-15-1    | 94         | %     | 70-130 | 01.13.2021 21:19 |      |     |

# Certificate of Analytical Results 684458

## American Safety Services, Odessa, TX

Cimarex-Crawford 27- 26 Fee 15H

Sample Id: **S Wall 5** Matrix: Soil Date Received: 01.13.2021 08:30  
 Lab Sample Id: 684458-018 Date Collected: 01.12.2021 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MNR Analyst: MNR % Moisture:  
 Seq Number: 3147782 Date Prep: 01.13.2021 09:00 Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| Toluene              | 108-88-3    | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00398   | 0.00398 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| Total BTEX           |             | <0.00199   | 0.00199 | mg/kg  | 01.13.2021 20:02 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 106        | %       | 70-130 | 01.13.2021 20:02 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 95         | %       | 70-130 | 01.13.2021 20:02 |      |     |

## 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.      **ND** Not Detected.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK**      Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory 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



## QC Summary 684458

**American Safety Services**  
 Cimarex-Crawford 27- 26 Fee 15H
**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3147879          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7719175-1-BLK    | LCS Sample Id: 7719175-1-BKS |                   |                 |                    | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 243               | 97              | 244                | 98                    | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 01.14.2021 12:45 |

**Analytical Method: Chloride by EPA 300**

|                  |                  |                              |                   |                 |                    |                       |               |             |                  |
|------------------|------------------|------------------------------|-------------------|-----------------|--------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:      | 3147896          | Matrix: Solid                |                   |                 |                    | Prep Method: E300P    |               |             |                  |
| MB Sample Id:    | 7719176-1-BLK    | LCS Sample Id: 7719176-1-BKS |                   |                 |                    | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b> | <b>MB Result</b> | <b>Spike Amount</b>          | <b>LCS Result</b> | <b>LCS %Rec</b> | <b>LCSD Result</b> | <b>LCSD %Rec</b>      | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride         | <5.00            | 250                          | 242               | 97              | 242                | 97                    | 90-110        | 0           | 20               |
|                  |                  |                              |                   |                 |                    |                       |               | mg/kg       | 01.14.2021 19:18 |

**Analytical Method: Chloride by EPA 300**

|                   |                      |                            |                  |                |                   |                       |               |             |                  |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:       | 3147879              | Matrix: Soil               |                  |                |                   | Prep Method: E300P    |               |             |                  |
| Parent Sample Id: | 684457-001           | MS Sample Id: 684457-001 S |                  |                |                   | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b>  | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b>       | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride          | 979                  | 253                        | 1190             | 83             | 1190              | 83                    | 90-110        | 0           | 20               |
|                   |                      |                            |                  |                |                   |                       |               | mg/kg       | 01.14.2021 13:01 |
|                   |                      |                            |                  |                |                   |                       |               |             | X                |

**Analytical Method: Chloride by EPA 300**

|                   |                      |                            |                  |                |                   |                       |               |             |                  |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:       | 3147879              | Matrix: Soil               |                  |                |                   | Prep Method: E300P    |               |             |                  |
| Parent Sample Id: | 684458-004           | MS Sample Id: 684458-004 S |                  |                |                   | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b>  | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b>       | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride          | 150                  | 248                        | 390              | 97             | 389               | 96                    | 90-110        | 0           | 20               |
|                   |                      |                            |                  |                |                   |                       |               | mg/kg       | 01.14.2021 14:16 |

**Analytical Method: Chloride by EPA 300**

|                   |                      |                            |                  |                |                   |                       |               |             |                  |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:       | 3147896              | Matrix: Soil               |                  |                |                   | Prep Method: E300P    |               |             |                  |
| Parent Sample Id: | 684458-014           | MS Sample Id: 684458-014 S |                  |                |                   | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b>  | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b>       | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride          | 72.9                 | 248                        | 309              | 95             | 310               | 96                    | 90-110        | 0           | 20               |
|                   |                      |                            |                  |                |                   |                       |               | mg/kg       | 01.14.2021 19:33 |

**Analytical Method: Chloride by EPA 300**

|                   |                      |                            |                  |                |                   |                       |               |             |                  |
|-------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------------|---------------|-------------|------------------|
| Seq Number:       | 3147896              | Matrix: Soil               |                  |                |                   | Prep Method: E300P    |               |             |                  |
| Parent Sample Id: | 684472-006           | MS Sample Id: 684472-006 S |                  |                |                   | Date Prep: 01.14.2021 |               |             |                  |
| <b>Parameter</b>  | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b>       | <b>Limits</b> | <b>%RPD</b> | <b>RPD Limit</b> |
| Chloride          | 6280                 | 2490                       | 8730             | 98             | 8730              | 98                    | 90-110        | 0           | 20               |
|                   |                      |                            |                  |                |                   |                       |               | mg/kg       | 01.14.2021 20:46 |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684458

**American Safety Services**  
 Cimarex-Crawford 27- 26 Fee 15H
**Analytical Method:** TPH By SW8015 Mod

|                                   |               |                              |            |          |             |           |        |                       |           |                  |                  |
|-----------------------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:                       | 3147790       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW8015P  |           |                  |                  |
| MB Sample Id:                     | 7719141-1-BLK | LCS Sample Id: 7719141-1-BKS |            |          |             |           |        | Date Prep: 01.13.2021 |           |                  |                  |
| <b>Parameter</b>                  | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Gasoline Range Hydrocarbons (GRO) | <50.0         | 1000                         | 867        | 87       | 907         | 91        | 70-130 | 5                     | 20        | mg/kg            | 01.13.2021 14:09 |
| Diesel Range Organics (DRO)       | <50.0         | 1000                         | 893        | 89       | 901         | 90        | 70-130 | 1                     | 20        | mg/kg            | 01.13.2021 14:09 |
| <b>Surrogate</b>                  | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1-Chlorooctane                    | 77            |                              | 96         |          |             | 107       | 70-130 |                       | %         | 01.13.2021 14:09 |                  |
| o-Terphenyl                       | 87            |                              | 92         |          |             | 94        | 70-130 |                       | %         | 01.13.2021 14:09 |                  |

**Analytical Method:** TPH By SW8015 Mod

|                                    |               |               |  |  |  |  |  |                       |                  |      |  |
|------------------------------------|---------------|---------------|--|--|--|--|--|-----------------------|------------------|------|--|
| Seq Number:                        | 3147790       | Matrix: Solid |  |  |  |  |  | Prep Method: SW8015P  |                  |      |  |
| MB Sample Id:                      | 7719141-1-BLK |               |  |  |  |  |  | Date Prep: 01.13.2021 |                  |      |  |
| <b>Parameter</b>                   | MB Result     |               |  |  |  |  |  | Units                 | Analysis Date    | Flag |  |
| Motor Oil Range Hydrocarbons (MRO) | <50.0         |               |  |  |  |  |  | mg/kg                 | 01.13.2021 13:51 |      |  |

**Analytical Method:** TPH By SW8015 Mod

|                                   |               |                            |           |         |            |          |        |                       |           |                  |                  |
|-----------------------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:                       | 3147790       | Matrix: Soil               |           |         |            |          |        | Prep Method: SW8015P  |           |                  |                  |
| Parent Sample Id:                 | 684458-001    | MS Sample Id: 684458-001 S |           |         |            |          |        | Date Prep: 01.13.2021 |           |                  |                  |
| <b>Parameter</b>                  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Gasoline Range Hydrocarbons (GRO) | <49.9         | 998                        | 831       | 83      | 892        | 89       | 70-130 | 7                     | 20        | mg/kg            | 01.13.2021 15:24 |
| Diesel Range Organics (DRO)       | <49.9         | 998                        | 815       | 82      | 874        | 88       | 70-130 | 7                     | 20        | mg/kg            | 01.13.2021 15:24 |
| <b>Surrogate</b>                  |               |                            | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1-Chlorooctane                    |               |                            | 99        |         |            | 114      | 70-130 |                       | %         | 01.13.2021 15:24 |                  |
| o-Terphenyl                       |               |                            | 90        |         |            | 99       | 70-130 |                       | %         | 01.13.2021 15:24 |                  |

**Analytical Method:** BTEX by EPA 8021B

|                      |               |                              |            |          |             |           |        |                       |           |                  |                  |
|----------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:          | 3147782       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW5035A  |           |                  |                  |
| MB Sample Id:        | 7719146-1-BLK | LCS Sample Id: 7719146-1-BKS |            |          |             |           |        | Date Prep: 01.13.2021 |           |                  |                  |
| <b>Parameter</b>     | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Benzene              | <0.00200      | 0.100                        | 0.107      | 107      | 0.106       | 106       | 70-130 | 1                     | 35        | mg/kg            | 01.13.2021 10:53 |
| Toluene              | <0.00200      | 0.100                        | 0.102      | 102      | 0.101       | 101       | 70-130 | 1                     | 35        | mg/kg            | 01.13.2021 10:53 |
| Ethylbenzene         | <0.00200      | 0.100                        | 0.103      | 103      | 0.103       | 103       | 70-130 | 0                     | 35        | mg/kg            | 01.13.2021 10:53 |
| m,p-Xylenes          | <0.00400      | 0.200                        | 0.209      | 105      | 0.209       | 105       | 70-130 | 0                     | 35        | mg/kg            | 01.13.2021 10:53 |
| o-Xylene             | <0.00200      | 0.100                        | 0.104      | 104      | 0.104       | 104       | 70-130 | 0                     | 35        | mg/kg            | 01.13.2021 10:53 |
| <b>Surrogate</b>     | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1,4-Difluorobenzene  | 90            |                              | 98         |          |             | 100       | 70-130 |                       | %         | 01.13.2021 10:53 |                  |
| 4-Bromofluorobenzene | 114           |                              | 100        |          |             | 100       | 70-130 |                       | %         | 01.13.2021 10:53 |                  |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684458

**American Safety Services**  
 Cimarex-Crawford 27- 26 Fee 15H
**Analytical Method:** BTEX by EPA 8021B

Seq Number: 3147782

Parent Sample Id: 684458-001

Matrix: Soil

MS Sample Id: 684458-001 S

Prep Method: SW5035A

Date Prep: 01.13.2021

MSD Sample Id: 684458-001 SD

| Parameter            | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|----------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene              | <0.00200      | 0.0998       | 0.0924    | 93      | 0.0833     | 83       | 70-130 | 10   | 35        | mg/kg | 01.13.2021 11:33 |      |
| Toluene              | <0.00200      | 0.0998       | 0.0871    | 87      | 0.0774     | 78       | 70-130 | 12   | 35        | mg/kg | 01.13.2021 11:33 |      |
| Ethylbenzene         | <0.00200      | 0.0998       | 0.0876    | 88      | 0.0765     | 77       | 70-130 | 14   | 35        | mg/kg | 01.13.2021 11:33 |      |
| m,p-Xylenes          | <0.00399      | 0.200        | 0.180     | 90      | 0.153      | 77       | 70-130 | 16   | 35        | mg/kg | 01.13.2021 11:33 |      |
| o-Xylene             | <0.00200      | 0.0998       | 0.0891    | 89      | 0.0761     | 76       | 70-130 | 16   | 35        | mg/kg | 01.13.2021 11:33 |      |
| Surrogate            |               |              | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag | Limits |      |           | Units | Analysis Date    |      |
| 1,4-Difluorobenzene  |               |              | 99        |         | 99         |          | 70-130 |      |           | %     | 01.13.2021 11:33 |      |
| 4-Bromofluorobenzene |               |              | 106       |         | 101        |          | 70-130 |      |           | %     | 01.13.2021 11:33 |      |

 MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

 $[D] = 100 * (C-A) / B$   
 $RPD = 200 * |(C-E) / (C+E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

 LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

 MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**CHAIN OF CUSTODY**

Page  
2  
c

San Antonio, Texas (210-509-3334)

Phoenix Arizona / 1980 SEE NUMBER

*Setting the Standard since 1971*  
Stafford, Texas (281-240-4200)  
Dallas Texas (214-902-0300)

| No. | Field ID / Point of Collection      | Collection | Number of preserved bottles |        |              |     |                 |      |       |      |        |      |      |
|-----|-------------------------------------|------------|-----------------------------|--------|--------------|-----|-----------------|------|-------|------|--------|------|------|
|     | Sample Depth                        | Date       | Time                        | Matrix | # of bottles | HCl | NaOH/Zn Acetate | HNO3 | H2SO4 | NaOH | NaHSO4 | MEOH | NONE |
| 1   | Confirmation sample<br>11 6 in @ EB | 1/12/2021  | 10:50                       | S      | 1            | X   |                 |      |       |      |        | X    | X    |
| 2   | Confirmation sample<br>12 6 in @ EB | 1/12/2021  | 10:55                       | S      | 1            | X   |                 |      |       |      |        | X    | X    |
| 3   | Confirmation sample<br>13 6 in @ EB | 1/12/2021  | 11:00                       | S      | 1            | X   |                 |      |       |      |        | X    | X    |
| 4   |                                     |            |                             |        |              |     |                 |      |       |      |        | X    | X    |

A = Air  
W = Water

|   | Turnaround Time (Business day(s))                | Data Deliverable Information                     | Notes:  |
|---|--|--|---|
| <input type="checkbox"/> Same Day TAT       | <input type="checkbox"/> 5 Day TAT               | <input type="checkbox"/> Level II Std QC         | <input type="checkbox"/> Level IV (Full Data Pkg /raw data) |
| <input type="checkbox"/> Next Day EMERGENCY | <input type="checkbox"/> 7 Day TAT               | <input type="checkbox"/> Level III Std QC+ Forms | <input type="checkbox"/> TRRP Level IV                      |
| <input type="checkbox"/> 2 Day EMERGENCY    | <input checked="" type="checkbox"/> Contract TAT | <input type="checkbox"/> Level 3 (CLP Forms)     | <input type="checkbox"/> UST / RG-411                       |
| <input type="checkbox"/> 3 Day EMERGENCY    |  | <input type="checkbox"/> TRRP Checklist          |   |

| TAT Starts Day received by Lab, If received by 5:00 pm  |                                    |                                  |                                     | FED-EX / UPS: Tracking #   |
|---|------------------------------------|----------------------------------|-------------------------------------|----------------------------|
| SAMPLE CUSTODY MUST BE DOCUMENTED EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY |                                    |                                  |                                     |                            |
| 1<br>Relinquished by Sample/<br><i>Megan Decker</i>   | Date Time:<br><i>01/13/21 0830</i> | Received By:<br><i>M. Decker</i> | Relinquished By:                    | Date Time:                 |
| 2<br>Relinquished by:   | Date Time:                         | Received By:                     | Relinquished By:                    | Date Time:                 |
| 3<br>Relinquished by:   | Date Time:                         | Received By:                     | Relinquished By:                    | Date Time:                 |
| 4<br>Relinquished by:   | Date Time:                         | Received By:                     | Relinquished By:                    | Date Time:                 |
| 5<br>Relinquished by:   | Date Time:                         | Received By:                     | Custody Seal #                      | Preserved where applicable |
|   |                                    |                                  | <input type="checkbox"/>            | On ice                     |
|   |                                    |                                  | <input checked="" type="checkbox"/> | Cooler Temp.               |
|   |                                    |                                  | <input checked="" type="checkbox"/> | Thermo. Corr. Factor       |

**3-31-04**

Notice: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencor, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencor will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xencor. A minimum charge of \$75 will be applied to each project. Xencor's liability will be limited to the cost of samples. Any samples received by Xencor but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.



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

San Antonio, Texas (210-509-3334)  
Midland, Texas (432-704-5251)  
www.xenco.com

Phoenix, Arizona (480-355-4900)  
Phoenix, Arizona (480-355-4900)

# CHAIN OF CUSTODY

Page 3 Of 3

Dallas Texas (214-902-0300)

Odessa Tx 79765

Email: tfranklin@americanasafety.net

Project Contact: Thomas Franklin

Samplers Name

Phone No: 432-557-9968

Invoice To: Eddy Co. NM

PO Number: lmontoya@cimarex.com

Number of preserved bottles

TPH TX 8015M

Chloride 300

BTEX 8021B

W = Water

S = Soil/Sed/Solid

DW = Drinking Water

P = Product

SW = Surface water

SL = Sludge

OW = Ocean/Sea Water

WI = Wipe

O = Oil

WW = Waste Water

A = Air

| Client / Reporting Information   |                                | Project Information                                  |              | Analytical Information                           |      | Matrix Codes   |              |  |  |  |  |  |  |
|--|--------------------------------|--|--------------|--|------|--|--------------|--|--|--|--|--|--|
| Company Name / Branch:<br><b>American Safety Services Inc.</b>   |                                | Project Name/Number:<br>Cimarex - Crawford 27 26 15H |              |  |      |  |              |  |  |  |  |  |  |
| Company Address:<br>8715 Andrews Hwy<br>Odessa Tx 79765  |                                | Project Location:                                    |              |  |      |  |              |  |  |  |  |  |  |
| Email: tfranklin@americanasafety.net   |                                | Phone No: 432-557-9968                               |              | Invoice To: <b>Tell Montoya</b>                  |      |  |              |  |  |  |  |  |  |
| Project Contact: Thomas Franklin   |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| Samplers Name  |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| No.  | Field ID / Point of Collection | Collection   | Sample Depth | Date   | Time | Matrix   | # of bottles |  |  |  |  |  |  |
| 1  | S Wall 1                       |  |              | 12/10/2020                                       | S    | 1  | X            |  |  |  |  |  |  |
| 2  | S Wall 2                       |  |              | 12/10/2020                                       | S    | 1  | X            |  |  |  |  |  |  |
| 3  | S Wall 3                       |  |              | 12/10/2020                                       | S    | 1  | X            |  |  |  |  |  |  |
| 4  | S Wall 4                       |  |              | 12/10/2020                                       | S    | 1  | X            |  |  |  |  |  |  |
| 5  | S Wall 5                       |  |              | 12/10/2020                                       | S    | 1  | X            |  |  |  |  |  |  |
| 6  |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| 7  |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| 8  |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| 9  |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| 10   |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| Turnaround Time (Business days)  |                                | Data Deliverable Information                         |              | Notes:   |      |  |              |  |  |  |  |  |  |
| <input type="checkbox"/> Same Day TAT  |                                | <input type="checkbox"/> 5 Day TAT                   |              | <input type="checkbox"/> Level II Std QC         |      | <input type="checkbox"/> Level IV (Full Data Pkg / raw data) |              |  |  |  |  |  |  |
| <input type="checkbox"/> Next Day EMERGENCY  |                                | <input type="checkbox"/> 7 Day TAT                   |              | <input type="checkbox"/> Level III Std QC+ Forms |      | <input type="checkbox"/> TRRP Level IV                       |              |  |  |  |  |  |  |
| <input type="checkbox"/> 2 Day EMERGENCY   |                                | <input checked="" type="checkbox"/> Contract TAT     |              | <input type="checkbox"/> Level 3 (CLP Forms)     |      | <input type="checkbox"/> UST / RG-411                        |              |  |  |  |  |  |  |
| <input type="checkbox"/> 3 Day EMERGENCY   |                                |  |              | <input type="checkbox"/> TRRP Checklist          |      |  |              |  |  |  |  |  |  |
| TAT Starts Day received by Lab, if received by 5:00 pm   |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW - NOT TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY |                                |  |              |  |      |  |              |  |  |  |  |  |  |
| Relinquished By: <b>LJ Gandy De Mora</b>   |                                | Date Time: 01/13/2021 0830                           |              | Relinquished By: _____                           |      | Date Time: _____   |              |  |  |  |  |  |  |
| Relinquished By: _____   |                                | Date Time: _____                                     |              | Received By: _____                               |      | Received By: _____   |              |  |  |  |  |  |  |
| Relinquished By: _____   |                                | Date Time: _____                                     |              | Received By: _____                               |      | Received By: _____   |              |  |  |  |  |  |  |
| Relinquished By: _____   |                                | Date Time: _____                                     |              | Received By: _____                               |      | Received By: _____   |              |  |  |  |  |  |  |
| Received By: _____   |                                | Custody Seal # _____                                 |              | Preserved where applicable _____                 |      | On Ice _____   |              |  |  |  |  |  |  |
| Received By: _____   |                                | Cooler Temp. _____                                   |              | Thermo. Corr. Factor _____                       |      |  |              |  |  |  |  |  |  |

**Eurofins Xenco, LLC**  
**Prelogin/Nonconformance Report- Sample Log-In**

**Client:** American Safety Services

Acceptable Temperature Range: 0 - 6 degC

**Date/ Time Received:** 01.13.2021 08.30.00 AM

Air and Metal samples Acceptable Range: Ambient

**Work Order #:** 684458

Temperature Measuring device used : IR8

| Sample Receipt Checklist                                | Comments |
|---|----------|
| #1 *Temperature of cooler(s)?                           | 4        |
| #2 *Shipping container in good condition?               | Yes      |
| #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)?                           | N/A      |
| #18 Water VOC samples have zero headspace?              | N/A      |

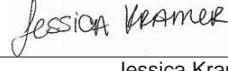
\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

**Checklist completed by:**
  
Brianna Teel

Date: 01.13.2021

**Checklist reviewed by:**
  
Jessica Kramer

Date: 01.14.2021

# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

### Project Name: Cimarex- Crawford 27 26 Fee 15 H

**Project Id:**                      **Date Received in Lab:** Fri 01.15.2021 13:52

**Contact:**                      Thomas Franklin                      **Report Date:** 01.19.2021 14:09

**Project Location:**              Eddy County, New Mexico                      **Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>          |                  | <i>Lab Id:</i><br><i>Field Id:</i><br>Confirmation Sample 14:2 | 684907-001       | 684907-002       | 684907-003       | 684907-004       | 684907-005       | 684907-006               |
|------------------------------------|------------------|--|------------------|------------------|------------------|------------------|------------------|--------------------------|
| <i>Depth:</i>                      | 2- ft<br>SOIL    | 2- ft<br>SOIL  | 2- ft<br>SOIL    | 2- ft<br>SOIL    | 2- ft<br>SOIL    | 2- ft<br>SOIL    | 2- ft<br>SOIL    | Confirmation Sample 19:2 |
| <i>Matrix:</i>                     | SOIL             |  |                  |                  |                  |                  |                  | 2- ft<br>SOIL            |
| <i>Sampled:</i>                    | 01.14.2021 10:00 | 01.14.2021 10:05   | 01.14.2021 10:10 | 01.14.2021 10:15 | 01.14.2021 10:20 | 01.14.2021 10:25 |                  |                          |
| <b>BTEX by EPA 8021B</b>           |                  |  |                  |                  |                  |                  |                  |                          |
| <i>Extracted:</i>                  | 01.15.2021 16:00 | 01.15.2021 16:00   | 01.15.2021 16:00 | 01.15.2021 16:00 | 01.15.2021 16:00 | 01.15.2021 16:00 | 01.15.2021 16:00 |                          |
| <i>Analyzed:</i>                   | 01.16.2021 06:21 | 01.16.2021 06:43   | 01.16.2021 07:06 | 01.16.2021 07:28 | 01.16.2021 07:51 | 01.16.2021 07:51 | 01.16.2021 09:11 |                          |
| <i>Units/RL:</i>                   | mg/kg            | RL   | mg/kg            | RL               | mg/kg            | RL               | mg/kg            | RL                       |
| Benzene                            | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.00200         | 0.00200          | <0.00198         | 0.00198                  |
| Toluene                            | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.00200         | 0.00200          | <0.00198         | 0.00198                  |
| Ethylbenzene                       | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.00200         | 0.00200          | <0.00198         | 0.00198                  |
| m,p-Xylenes                        | <0.00402         | 0.00402  | <0.00403         | 0.00403          | <0.00399         | 0.00399          | <0.00397         | 0.00397                  |
| o-Xylene                           | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.00200         | 0.00200          | <0.00198         | 0.00198                  |
| Total Xylenes                      | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.002           | 0.002            | <0.00198         | 0.00198                  |
| Total BTEX                         | <0.00201         | 0.00201  | <0.00202         | 0.00202          | <0.002           | 0.002            | <0.00198         | 0.00198                  |
| <b>Chloride by EPA 300</b>         |                  |  |                  |                  |                  |                  |                  |                          |
| <i>Extracted:</i>                  | 01.15.2021 17:09 | 01.15.2021 17:09   | 01.15.2021 17:09 | 01.15.2021 17:09 | 01.15.2021 17:09 | 01.15.2021 17:09 | 01.15.2021 17:09 |                          |
| <i>Analyzed:</i>                   | 01.15.2021 22:10 | 01.15.2021 22:27   | 01.15.2021 22:33 | 01.15.2021 22:39 | 01.15.2021 22:44 | 01.15.2021 22:44 | 01.15.2021 23:02 |                          |
| <i>Units/RL:</i>                   | mg/kg            | RL   | mg/kg            | RL               | mg/kg            | RL               | mg/kg            | RL                       |
| Chloride                           | 141              | 50.3   | 133              | 50.1             | 370              | 50.3             | 358              | 100                      |
| <b>TPH By SW8015 Mod</b>           |                  |  |                  |                  |                  |                  |                  |                          |
| <i>Extracted:</i>                  | 01.15.2021 18:00 | 01.15.2021 18:00   | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 |                          |
| <i>Analyzed:</i>                   | 01.15.2021 23:25 | 01.16.2021 00:24   | 01.16.2021 00:44 | 01.16.2021 01:03 | 01.16.2021 01:23 | 01.16.2021 01:43 | 01.16.2021 01:43 |                          |
| <i>Units/RL:</i>                   | mg/kg            | RL   | mg/kg            | RL               | mg/kg            | RL               | mg/kg            | RL                       |
| Gasoline Range Hydrocarbons (GR)   | <50.0            | 50.0   | <50.1            | 50.1             | <50.0            | 50.0             | <49.8            | 49.8                     |
| Diesel Range Organics (DRO)        | <50.0            | 50.0   | <50.1            | 50.1             | <50.0            | 50.0             | <49.8            | 49.8                     |
| Motor Oil Range Hydrocarbons (MRO) | <50.0            | 50.0   | <50.1            | 50.1             | <50.0            | 50.0             | <49.8            | 49.8                     |
| Total TPH                          | <50              | 50   | <50.1            | 50.1             | <50              | 50               | <49.8            | 49.8                     |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

**Project Name:** Cimarex- Crawford 27 26 Fee 15 H

**Project Id:** Date Received in Lab: Fri 01.15.2021 13:52

**Contact:** Thomas Franklin Report Date: 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico Project Manager: Jessica Kramer

| <i>Analysis Requested</i>          |  | <i>Lab Id:</i><br>Field Id:<br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i>                             | 684907-007<br>Confirmation Sample 20.2<br>2- ft<br>SOIL  | 684907-008<br>Confirmation Sample 21.2<br>2- ft<br>SOIL  | 684907-009<br>Confirmation Sample 22.2<br>2- ft<br>SOIL  | 684907-010<br>Confirmation Sample 23.2<br>2- ft<br>SOIL  | 684907-011<br>Confirmation Sample 24.2<br>2- ft<br>SOIL  | 684907-012<br>Confirmation Sample 25.2<br>2- ft<br>SOIL  |
|------------------------------------|--|---|--|--|--|--|--|--|
| <b>BTEX by EPA 8021B</b>           |  | <i>Extracted:</i><br>01.15.2021 16:00<br><i>Analyzed:</i><br>01.16.2021 09:33<br><i>Units/RL:</i><br>mg/kg RL | 01.14.2021 10:35<br>01.15.2021 16:00<br>01.16.2021 09:56 | 01.14.2021 10:40<br>01.15.2021 16:00<br>01.16.2021 10:40 | 01.14.2021 10:45<br>01.15.2021 16:00<br>01.16.2021 11:03 | 01.14.2021 10:50<br>01.15.2021 16:00<br>01.16.2021 11:25 | 01.14.2021 10:50<br>01.15.2021 16:00<br>01.16.2021 11:25 | 01.14.2021 10:55<br>01.15.2021 16:00<br>01.16.2021 11:25 |
| Benzene                            |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.00200 0.00200   | <0.00199 0.00199   | <0.00198 0.00198   |
| Toluene                            |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.00200 0.00200   | <0.00199 0.00199   | <0.00198 0.00198   |
| Ethylbenzene                       |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.00200 0.00200   | <0.00199 0.00199   | <0.00198 0.00198   |
| m,p-Xylenes                        |  |   | <0.00404 0.00404   | <0.00402 0.00402   | <0.00398 0.00398   | <0.00399 0.00399   | <0.00398 0.00398   | <0.00397 0.00397   |
| o-Xylene                           |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.00200 0.00200   | <0.00199 0.00199   | <0.00198 0.00198   |
| Total Xylenes                      |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.002 0.002   | <0.00199 0.00199   | <0.00198 0.00198   |
| Total BTEX                         |  |   | <0.00202 0.00202   | <0.00201 0.00201   | <0.00199 0.00199   | <0.002 0.002   | <0.00199 0.00199   | <0.00198 0.00198   |
| <b>Chloride by EPA 300</b>         |  | <i>Extracted:</i><br>01.15.2021 17:09<br><i>Analyzed:</i><br>01.15.2021 23:07<br><i>Units/RL:</i><br>mg/kg RL | 01.15.2021 17:09<br>01.15.2021 23:13                     | 01.15.2021 17:09<br>01.15.2021 23:19                     | 01.15.2021 17:09<br>01.15.2021 23:24                     | 01.15.2021 17:09<br>01.15.2021 23:24                     | 01.15.2021 17:09<br>01.15.2021 23:30                     | 01.15.2021 17:09<br>01.15.2021 23:47                     |
| Chloride                           |  |   | 130 49.9   | 139 50.2   | 137 50.2   | 137 50.3   | 188 99.4   | 210 101  |
| <b>TPH By SW8015 Mod</b>           |  | <i>Extracted:</i><br>01.15.2021 18:00<br><i>Analyzed:</i><br>01.16.2021 02:03<br><i>Units/RL:</i><br>mg/kg RL | 01.15.2021 18:00<br>01.16.2021 02:23                     | 01.15.2021 18:00<br>01.16.2021 02:42                     | 01.15.2021 18:00<br>01.16.2021 03:02                     | 01.15.2021 18:00<br>01.16.2021 03:42                     | 01.15.2021 18:00<br>01.16.2021 04:02                     | 01.15.2021 18:00<br>01.16.2021 04:02                     |
| Gasoline Range Hydrocarbons (GR)   |  |   | <50.1 50.1   | <50.2 50.2   | <50.3 50.3   | <49.9 49.9   | <50.1 50.1   | <50.2 50.2   |
| Diesel Range Organics (DRO)        |  |   | <50.1 50.1   | <50.2 50.2   | <50.3 50.3   | <49.9 49.9   | <50.1 50.1   | <50.2 50.2   |
| Motor Oil Range Hydrocarbons (MRO) |  |   | <50.1 50.1   | <50.2 50.2   | <50.3 50.3   | <49.9 49.9   | <50.1 50.1   | <50.2 50.2   |
| Total TPH                          |  |   | <50.1 50.1   | <50.2 50.2   | <50.3 50.3   | <49.9 49.9   | <50.1 50.1   | <50.2 50.2   |

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# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

**Project Name:** Cimarex- Crawford 27 26 Fee 15 H

**Project Id:** Date Received in Lab: Fri 01.15.2021 13:52

**Contact:** Thomas Franklin Report Date: 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico Project Manager: Jessica Kramer

| <b>Analysis Requested</b>          |                          | <b>Lab Id:</b> 684907-013 | 684907-014               | 684907-015               | 684907-016               | 684907-017               | 684907-018 |
|------------------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
| <b>Field Id:</b>                   | Confirmation Sample 26:2 | Confirmation Sample 27:2  | Confirmation Sample 28:2 | Confirmation Sample 29:2 | Confirmation Sample 30:2 | Confirmation Sample 31:2 |            |
| <b>Depth:</b>                      | 2- ft                    | 2- ft                     | 2- ft                    | 2- ft                    | 2- ft                    | 2- ft                    |            |
| <b>Matrix:</b>                     | SOIL                     | SOIL                      | SOIL                     | SOIL                     | SOIL                     | SOIL                     |            |
| <b>Sampled:</b>                    | 01.14.2021 11:00         | 01.14.2021 11:05          | 01.14.2021 11:10         | 01.14.2021 11:15         | 01.14.2021 11:20         | 01.14.2021 11:25         |            |
| <b>BTEX by EPA 8021B</b>           |                          |                           |                          |                          |                          |                          |            |
| <b>Extracted:</b>                  | 01.15.2021 16:00         | 01.15.2021 16:00          | 01.15.2021 16:00         | 01.15.2021 16:01         | 01.15.2021 16:01         | 01.15.2021 16:01         |            |
| <b>Analyzed:</b>                   | 01.16.2021 11:48         | 01.16.2021 12:10          | 01.16.2021 12:33         | 01.16.2021 04:45         | 01.16.2021 05:08         | 01.16.2021 05:30         |            |
| <b>Units/RL:</b>                   | mg/kg                    | RL                        | mg/kg                    | RL                       | mg/kg                    | RL                       |            |
| Benzene                            | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00201   |
| Toluene                            | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00201   |
| Ethylbenzene                       | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00201   |
| m,p-Xylenes                        | <0.00398                 | 0.00398                   | <0.00397                 | 0.00397                  | <0.00398                 | 0.00398                  | <0.00402   |
| o-Xylene                           | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00201   |
| Total Xylenes                      | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00201   |
| Total BTEX                         | <0.00199                 | 0.00199                   | <0.00198                 | 0.00198                  | <0.00199                 | 0.00199                  | <0.00202   |
| <b>Chloride by EPA 300</b>         |                          |                           |                          |                          |                          |                          |            |
| <b>Extracted:</b>                  | 01.15.2021 17:09         | 01.15.2021 17:09          | 01.15.2021 17:09         | 01.15.2021 17:09         | 01.15.2021 17:09         | 01.15.2021 17:09         |            |
| <b>Analyzed:</b>                   | 01.15.2021 23:53         | 01.16.2021 00:10          | 01.16.2021 00:15         | 01.16.2021 00:21         | 01.16.2021 00:27         | 01.16.2021 00:32         |            |
| <b>Units/RL:</b>                   | mg/kg                    | RL                        | mg/kg                    | RL                       | mg/kg                    | RL                       |            |
| Chloride                           | 159                      | 50.5                      | 168                      | 49.8                     | 158                      | 50.1                     | 89.9       |
| <b>TPH By SW8015 Mod</b>           |                          |                           |                          |                          |                          |                          |            |
| <b>Extracted:</b>                  | 01.15.2021 18:00         | 01.15.2021 18:00          | 01.15.2021 18:00         | 01.15.2021 18:00         | 01.15.2021 18:00         | 01.15.2021 18:00         |            |
| <b>Analyzed:</b>                   | 01.16.2021 04:21         | 01.16.2021 04:41          | 01.16.2021 05:01         | 01.16.2021 05:21         | 01.16.2021 05:40         | 01.16.2021 06:00         |            |
| <b>Units/RL:</b>                   | mg/kg                    | RL                        | mg/kg                    | RL                       | mg/kg                    | RL                       |            |
| Gasoline Range Hydrocarbons (GR)   | <50.2                    | 50.2                      | <50.0                    | 50.0                     | <49.9                    | 49.9                     | <49.9      |
| Diesel Range Organics (DRO)        | <50.2                    | 50.2                      | <50.0                    | 50.0                     | <49.9                    | 49.9                     | <49.9      |
| Motor Oil Range Hydrocarbons (MRO) | <50.2                    | 50.2                      | <50.0                    | 50.0                     | <49.9                    | 49.9                     | <49.9      |
| Total TPH                          | <50.2                    | 50.2                      | <50                      | 50                       | <49.9                    | 49.9                     | <49.9      |

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# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

### Project Name: Cimarex- Crawford 27 26 Fee 15 H

**Project Id:**                      **Date Received in Lab:** Fri 01.15.2021 13:52

**Contact:**                      Thomas Franklin                      **Report Date:** 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico                      **Project Manager:** Jessica Kramer

|  |                            |   |                  |                  |                  |                  |                  |
|--|----------------------------|---|------------------|------------------|------------------|------------------|------------------|
|  |                            | <b>Lab Id:</b> 684907-019                 | 684907-020       | 684907-021       | 684907-022       | 684907-023       | 684907-024       |
|  |                            | <b>Field Id:</b> S Wall 6                 | S Wall 7         | S Wall 8         | S Wall 9         | S Wall 10        | S Wall 11        |
|  |                            | <b>Depth:</b> 2- ft                       | 2- ft            | 2- ft            | 2- ft            | 2- ft            | SOIL             |
|  |                            | <b>Matrix:</b> SOIL                       | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             |
|  |                            | <b>Sampled:</b> 01.14.2021 12:00          | 01.14.2021 12:05 | 01.14.2021 12:10 | 01.14.2021 12:15 | 01.14.2021 12:20 | 01.14.2021 12:25 |
|  | <b>BTEX by EPA 8021B</b>   | <b>Extracted:</b> 01.15.2021 16:01        | 01.15.2021 16:01 | 01.15.2021 16:01 | 01.15.2021 16:01 | 01.15.2021 16:01 | 01.15.2021 16:01 |
|  |                            | <b>Analyzed:</b> 01.16.2021 05:53         | 01.16.2021 06:15 | 01.16.2021 06:37 | 01.16.2021 07:00 | 01.16.2021 07:22 | 01.16.2021 07:45 |
|  |                            | <b>Units/RL:</b> mg/kg                    | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            |
|  |                            | <b>Benzene</b>                            | <0.00199         | 0.00199          | <0.00200         | 0.00200          | <0.00200         |
|  |                            | <b>Toluene</b>                            | <0.00199         | 0.00199          | <0.00200         | 0.00200          | <0.00200         |
|  |                            | <b>Ethylbenzene</b>                       | <0.00199         | 0.00199          | <0.00200         | 0.00200          | <0.00200         |
|  |                            | <b>m,p-Xylenes</b>                        | <0.00398         | 0.00398          | <0.00399         | 0.00399          | <0.00398         |
|  |                            | <b>o-Xylene</b>                           | <0.00199         | 0.00199          | <0.00200         | 0.00200          | <0.00200         |
|  |                            | <b>Total Xylenes</b>                      | <0.00199         | 0.00199          | <0.002           | 0.002            | <0.002           |
|  |                            | <b>Total BTEX</b>                         | <0.00199         | 0.00199          | <0.002           | 0.002            | <0.002           |
|  | <b>Chloride by EPA 300</b> | <b>Extracted:</b> 01.15.2021 17:09        | 01.15.2021 17:09 | 01.15.2021 17:00 | 01.15.2021 17:00 | 01.15.2021 17:00 | 01.15.2021 17:00 |
|  |                            | <b>Analyzed:</b> 01.16.2021 00:38         | 01.16.2021 00:44 | 01.16.2021 01:18 | 01.16.2021 01:35 | 01.16.2021 01:41 | 01.16.2021 01:46 |
|  |                            | <b>Units/RL:</b> mg/kg                    | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            |
|  |                            | <b>Chloride</b>                           | 130              | 49.9             | 153              | 50.3             | 70.9             |
|  | <b>TPH By SW8015 Mod</b>   | <b>Extracted:</b> 01.15.2021 18:00        | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 | 01.15.2021 18:00 |
|  |                            | <b>Analyzed:</b> 01.16.2021 06:19         | 01.16.2021 06:39 | 01.16.2021 23:25 | 01.16.2021 00:24 | 01.16.2021 00:44 | 01.16.2021 01:03 |
|  |                            | <b>Units/RL:</b> mg/kg                    | mg/kg            | mg/kg            | mg/kg            | mg/kg            | mg/kg            |
|  |                            | <b>Gasoline Range Hydrocarbons (GRO)</b>  | <50.1            | 50.1             | <49.9            | 49.9             | <49.9            |
|  |                            | <b>Diesel Range Organics (DRO)</b>        | <50.1            | 50.1             | <49.9            | 49.9             | <49.9            |
|  |                            | <b>Motor Oil Range Hydrocarbons (MRO)</b> | <50.1            | 50.1             | <49.9            | 49.9             | <49.9            |
|  |                            | <b>Total TPH</b>                          | <50.1            | 50.1             | <49.9            | 49.9             | <49.9            |

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# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

### Project Name: Cimarex- Crawford 27 26 Fee 15 H

**Project Id:**                      **Date Received in Lab:** Fri 01.15.2021 13:52

**Contact:**                      Thomas Franklin                      **Report Date:** 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico                      **Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>          |                                      | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>684907-025</i><br><i>S Wall 12</i>         | <i>684907-026</i><br><i>S Wall 13</i>         | <i>684907-027</i><br><i>S Wall 14</i>         | <i>684907-028</i><br><i>S Wall 15</i>         | <i>684907-029</i><br><i>S Wall 16</i>         | <i>684907-030</i><br><i>S Wall 17</i>      |
|------------------------------------|--------------------------------------|--|---|---|---|---|---|--|
| <i>Extracted:</i>                  | <i>Analyzed:</i>                     | <i>SOIL</i>  | <i>SOIL</i>                                   | <i>SOIL</i>                                   | <i>SOIL</i>                                   | <i>SOIL</i>                                   | <i>SOIL</i>                                   | <i>SOIL</i>                                |
| <i>Units/RL:</i>                   | <i>Units/RL:</i>                     | <i>mg/kg</i>   | <i>mg/kg</i>                                  | <i>mg/kg</i>                                  | <i>mg/kg</i>                                  | <i>mg/kg</i>                                  | <i>mg/kg</i>                                  | <i>mg/kg</i>                               |
| BTEX by EPA 8021B                  | Extracted:<br>Analyzed:<br>Units/RL: | 01.15.2021 16:01<br>01.16.2021 08:07<br>mg/kg  | 01.15.2021 08:00<br>01.16.2021 09:24<br>RL    | 01.15.2021 08:05<br>01.16.2021 09:47<br>mg/kg | 01.15.2021 16:01<br>01.16.2021 10:09<br>RL    | 01.15.2021 08:10<br>01.16.2021 10:32<br>mg/kg | 01.15.2021 08:15<br>01.16.2021 10:32<br>RL    | 01.15.2021 08:20<br>01.16.2021 10:54<br>RL |
| Benzene                            |                                      | <0.00202   | 0.00202                                       | <0.00200                                      | 0.00200                                       | <0.00202                                      | <0.00202                                      | <0.00200                                   |
| Toluene                            |                                      | <0.00202   | 0.00202                                       | <0.00200                                      | 0.00200                                       | <0.00202                                      | <0.00202                                      | <0.00200                                   |
| Ethylbenzene                       |                                      | <0.00202   | 0.00202                                       | <0.00200                                      | 0.00200                                       | <0.00202                                      | <0.00202                                      | <0.00200                                   |
| m,p-Xylenes                        |                                      | <0.00403   | 0.00403                                       | <0.00401                                      | 0.00401                                       | <0.00403                                      | 0.00403                                       | <0.00399                                   |
| o-Xylene                           |                                      | <0.00202   | 0.00202                                       | <0.00200                                      | 0.00200                                       | <0.00202                                      | 0.00202                                       | <0.00200                                   |
| Total Xylenes                      |                                      | <0.00202   | 0.00202                                       | <0.002  | 0.002   | <0.00202                                      | 0.00202                                       | <0.002                                     |
| Total BTEX                         |                                      | <0.00202   | 0.00202                                       | <0.002  | 0.002   | <0.00202                                      | 0.00202                                       | <0.002                                     |
| Chloride by EPA 300                | Extracted:<br>Analyzed:<br>Units/RL: | 01.15.2021 17:00<br>01.16.2021 01:52<br>mg/kg  | 01.15.2021 02:09<br>01.16.2021 02:15<br>RL    | 01.15.2021 17:00<br>01.16.2021 02:15<br>mg/kg | 01.15.2021 17:00<br>01.16.2021 02:20<br>RL    | 01.15.2021 17:00<br>01.16.2021 02:26<br>mg/kg | 01.15.2021 17:00<br>01.16.2021 02:26<br>RL    | <0.00199                                   |
| Chloride                           |                                      | 113  | 101   | 134   | 100   | 136   | 99.0  | 143  |
| TPH By SW8015 Mod                  | Extracted:<br>Analyzed:<br>Units/RL: | 01.15.2021 18:00<br>01.16.2021 01:23<br>mg/kg  | 01.15.2021 01:43<br>01.16.2021 02:03<br>mg/kg | 01.15.2021 18:00<br>01.16.2021 02:03<br>mg/kg | 01.15.2021 18:00<br>01.16.2021 02:23<br>mg/kg | 01.15.2021 18:00<br>01.16.2021 02:42<br>mg/kg | 01.15.2021 18:00<br>01.16.2021 03:02<br>mg/kg | 0.00199                                    |
| Gasoline Range Hydrocarbons (GR)   |                                      | <50.2  | 50.2  | <50.0   | 50.0  | <50.3   | 50.3  | <49.8                                      |
| Diesel Range Organics (DRO)        |                                      | <50.2  | 50.2  | <50.0   | 50.0  | <50.3   | 50.3  | 49.8                                       |
| Motor Oil Range Hydrocarbons (MRO) |                                      | <50.2  | 50.2  | <50.0   | 50.0  | <50.3   | 50.3  | <49.8                                      |
| Total TPH                          |                                      | <50.2  | 50.2  | <50   | 50  | <50.3   | 50.3  | <49.8                                      |

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# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

### Project Name: Cimarex- Crawford 27 26 Fee 15 H

**Project Id:**                      **Date Received in Lab:** Fri 01.15.2021 13:52

**Contact:**                      Thomas Franklin                      **Report Date:** 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico                      **Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>          |  | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i>                   | <i>Lab Id:</i><br>684907-031<br>S Wall 18                | <i>Lab Id:</i><br>684907-032<br>S Wall 19                | <i>Lab Id:</i><br>684907-033<br>S Wall 20                | <i>Lab Id:</i><br>684907-034<br>S Wall 21<br>6- In<br>SOIL | <i>Lab Id:</i><br>684907-035<br>S Wall 22                | <i>Lab Id:</i><br>684907-036<br>S Wall 23                |
|------------------------------------|--|--|--|--|--|--|--|--|
| <b>BTEX by EPA 8021B</b>           |  | <i>Extracted:</i><br>01.15.2021 16:01<br><i>Analyzed:</i><br>01.16.2021 11:16<br><i>Units/RL:</i><br>mg/kg | 01.15.2021 08:25<br>01.15.2021 16:01<br>01.16.2021 11:39 | 01.15.2021 08:30<br>01.15.2021 16:01<br>01.16.2021 12:01 | 01.15.2021 08:35<br>01.15.2021 16:01<br>01.16.2021 12:24 | 01.15.2021 08:40<br>01.15.2021 16:01<br>01.16.2021 15:21   | 01.15.2021 08:45<br>01.18.2021 11:08<br>01.18.2021 15:21 | 01.15.2021 08:50<br>01.18.2021 11:08<br>01.18.2021 15:43 |
| Benzene                            |  |  | <0.00198   | 0.00198  | <0.00200   | <0.00200   | <0.00198   | RL   |
| Toluene                            |  |  | <0.00198   | 0.00198  | <0.00200   | <0.00200   | <0.00198   | mg/kg  |
| Ethylbenzene                       |  |  | <0.00198   | 0.00198  | <0.00200   | <0.00200   | <0.00198   | RL   |
| m,p-Xylenes                        |  |  | <0.00397   | 0.00397  | <0.00399   | <0.00397   | <0.00403   | mg/kg  |
| o-Xylene                           |  |  | <0.00198   | 0.00198  | <0.00200   | <0.00200   | <0.00202   | RL   |
| Total Xylenes                      |  |  | <0.00198   | 0.00198  | <0.002   | <0.002   | <0.00198   | mg/kg  |
| Total BTEX                         |  |  | <0.00198   | 0.00198  | <0.002   | <0.002   | <0.00198   | RL   |
| <b>Chloride by EPA 300</b>         |  | <i>Extracted:</i><br>01.15.2021 17:00<br><i>Analyzed:</i><br>01.16.2021 02:37<br><i>Units/RL:</i><br>mg/kg | 01.15.2021 17:00<br>01.16.2021 02:54                     | 01.15.2021 17:00<br>01.16.2021 03:00                     | 01.15.2021 17:00<br>01.16.2021 03:17                     | 01.15.2021 17:00<br>01.16.2021 03:23                       | 01.15.2021 17:00<br>01.16.2021 03:28                     | 01.15.2021 17:00<br>01.16.2021 03:28                     |
| Chloride                           |  |  | 124  | 99.0   | 116  | 99.4   | 162  | 100  |
| <b>TPH By SW8015 Mod</b>           |  | <i>Extracted:</i><br>01.15.2021 18:00<br><i>Analyzed:</i><br>01.16.2021 03:42<br><i>Units/RL:</i><br>mg/kg | 01.15.2021 18:00<br>01.16.2021 04:02                     | 01.15.2021 18:00<br>01.16.2021 04:21                     | 01.15.2021 18:00<br>01.16.2021 04:41                     | 01.15.2021 18:00<br>01.16.2021 05:01                       | 01.15.2021 18:00<br>01.16.2021 05:21                     | 01.15.2021 18:00<br>01.16.2021 05:21                     |
| Gasoline Range Hydrocarbons (GR)   |  |  | <49.9  | 49.9   | <50.1  | <50.3  | <49.9  | 49.9   |
| Diesel Range Organics (DRO)        |  |  | <49.9  | 49.9   | <50.1  | <50.3  | <49.9  | <49.8  |
| Motor Oil Range Hydrocarbons (MRO) |  |  | <49.9  | 49.9   | <50.1  | <50.3  | <49.9  | <49.8  |
| Total TPH                          |  |  | <49.9  | 49.9   | <50.1  | <50.3  | <49.9  | <49.8  |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



# Certificate of Analysis Summary 684907

## American Safety Services, Odessa, TX

### Project Name: Cimarex- Crawford 27 26 Fee 15 H

**Project Id:**                      **Date Received in Lab:** Fri 01.15.2021 13:52

**Contact:**                      Thomas Franklin                      **Report Date:** 01.19.2021 14:09

**Project Location:** Eddy County, New Mexico                      **Project Manager:** Jessica Kramer

| <b>Analysis Requested</b>          |                  | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>684907-037</i><br><i>S Wall 24</i> | <i>684907-038</i><br><i>S Wall 25</i> | <i>684907-039</i><br><i>S Wall 26</i> | <i>684907-040</i><br><i>S Wall 27</i> | <i>684907-041</i><br><i>S Wall 28</i> | <i>684907-042</i><br><i>S Wall 29</i> |
|------------------------------------|------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| <i>Extracted:</i>                  | <i>Analyzed:</i> | <i>SOIL</i>  | <i>SOIL</i>                           | <i>SOIL</i>                           | <i>SOIL</i>                           | <i>SOIL</i>                           | <i>SOIL</i>                           | <i>SOIL</i>                           |
| <i>Units/RL:</i>                   | <i>Units/RL:</i> | <i>mg/kg</i>   | <i>mg/kg</i>                          | <i>mg/kg</i>                          | <i>mg/kg</i>                          | <i>mg/kg</i>                          | <i>mg/kg</i>                          | <i>mg/kg</i>                          |
| BTEX by EPA 8021B                  |                  | 01.15.2021 08:55   | 01.15.2021 09:00                      | 01.15.2021 09:05                      | 01.15.2021 09:10                      | 01.15.2021 09:15                      | 01.15.2021 09:20                      |                                       |
| Benzene                            |                  | <0.00201   | 0.00201                               | <0.00200                              | <0.00200                              | <0.00200                              | <0.00200                              | 0.00200                               |
| Toluene                            |                  | <0.00201   | 0.00201                               | <0.00200                              | <0.00200                              | <0.00200                              | <0.00200                              | 0.00200                               |
| Ethylbenzene                       |                  | <0.00201   | 0.00201                               | <0.00200                              | <0.00200                              | <0.00200                              | <0.00200                              | 0.00200                               |
| m,p-Xylenes                        |                  | <0.00402   | 0.00402                               | <0.00401                              | 0.00401                               | <0.00398                              | 0.00398                               | <0.00397                              |
| o-Xylene                           |                  | <0.00201   | 0.00201                               | <0.00200                              | 0.00200                               | <0.00199                              | 0.00199                               | <0.00198                              |
| Total Xylenes                      |                  | <0.00201   | 0.00201                               | <0.002                                | 0.002                                 | <0.00199                              | 0.00199                               | <0.00198                              |
| Total BTEX                         |                  | <0.00201   | 0.00201                               | <0.002                                | 0.002                                 | <0.00199                              | 0.00199                               | <0.00198                              |
| Chloride by EPA 300                |                  | 01.15.2021 17:00   | 01.15.2021 17:00                      | 01.15.2021 17:00                      | 01.15.2021 17:00                      | 01.15.2021 17:45                      | 01.15.2021 17:45                      |                                       |
| Chloride                           |                  | 01.16.2021 03:34   | 01.16.2021 03:40                      | 01.16.2021 03:45                      | 01.16.2021 03:51                      | 01.16.2021 04:31                      | 01.16.2021 04:48                      |                                       |
| Chloride                           |                  | 199  | 101                                   | 178                                   | 99.0                                  | 239                                   | 101                                   | 187                                   |
| TPH By SW8015 Mod                  |                  | 01.15.2021 18:00   | 01.15.2021 18:00                      | 01.15.2021 18:00                      | 01.15.2021 18:00                      | 01.15.2021 17:00                      | 01.15.2021 17:00                      | 01.15.2021 17:00                      |
| Gasoline Range Hydrocarbons (GR)   |                  | 01.16.2021 05:40   | 01.16.2021 06:00                      | 01.16.2021 06:19                      | 01.16.2021 06:39                      | 01.18.2021 19:33                      | 01.18.2021 20:33                      |                                       |
| Diesel Range Organics (DRO)        |                  | <49.9  | 49.9                                  | <50.1                                 | 50.1                                  | <49.9                                 | 49.9                                  | <50.0                                 |
| Motor Oil Range Hydrocarbons (MRO) |                  | <49.9  | 49.9                                  | <50.1                                 | 50.1                                  | <49.9                                 | 49.9                                  | <50.0                                 |
| Total TPH                          |                  | <49.9  | 49.9                                  | <50.1                                 | 50.1                                  | <49.9                                 | 49.9                                  | <50.0                                 |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



**Certificate of Analysis Summary 684907**

American Safety Services, Odessa, TX

**Project Name:** Cimarex- Crawford 27 26 Fee 15 H**Project Id:**

Thomas Franklin

**Contact:**

Eddy County, New Mexico

**Project Location:**
**Date Received in Lab:** Fri 01.15.2021 13:52  
**Report Date:** 01.19.2021 14:09  
**Project Manager:** Jessica Kramer

| <b>Analysis Requested</b>          |  | <i>Lab Id:</i><br><i>Field Id:</i><br><i>Depth:</i><br><i>Matrix:</i><br><i>Sampled:</i> | <i>684907-043</i><br>S Wall 30<br>6- In<br>SOIL<br>01.15.2021 09:25 | <i>684907-044</i><br>S Wall 31<br>6- In<br>SOIL<br>01.15.2021 09:30 |  |  |
|------------------------------------|--|--|---|---|--|--|
| <b>BTEX by EPA 8021B</b>           |  | <i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                                | 01.18.2021 11:08<br>01.18.2021 18:20<br>mg/kg<br>RL                 | 01.18.2021 11:08<br>01.18.2021 18:42<br>mg/kg<br>RL                 |  |  |
| Benzene                            |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| Toluene                            |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| Ethylbenzene                       |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| m,p-Xylenes                        |  |  | <0.00398 0.00398  | <0.00459 0.00459  |  |  |
| o-Xylene                           |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| Total Xylenes                      |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| Total BTEX                         |  |  | <0.00199 0.00199  | <0.00229 0.00229  |  |  |
| <b>Chloride by EPA 300</b>         |  | <i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                                | 01.15.2021 17:45<br>01.16.2021 04:54<br>mg/kg<br>RL                 | 01.15.2021 17:45<br>01.16.2021 04:59<br>mg/kg<br>RL                 |  |  |
| Chloride                           |  |  | 148 9.96  | 121 99.8  |  |  |
| <b>TPH By SW8015 Mod</b>           |  | <i>Extracted:</i><br><i>Analyzed:</i><br><i>Units/RL:</i>                                | 01.18.2021 17:00<br>01.18.2021 20:53<br>mg/kg<br>RL                 | 01.18.2021 17:00<br>01.18.2021 21:13<br>mg/kg<br>RL                 |  |  |
| Gasoline Range Hydrocarbons (GR)   |  |  | <50.2 50.2  | <50.0 50.0  |  |  |
| Diesel Range Organics (DRO)        |  |  | <50.2 50.2  | <50.0 50.0  |  |  |
| Motor Oil Range Hydrocarbons (MRO) |  |  | <50.2 50.2  | <50.0 50.0  |  |  |
| Total TPH                          |  |  | <50.2 50.2  | <50 50  |  |  |

BRL - Below Reporting Limit

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# Analytical Report 684907

for

## American Safety Services

Project Manager: Thomas Franklin

Cimarex- Crawford 27 26 Fee 15 H

**01.19.2021**

Collected By: Client

**1089 N Canal Street  
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)  
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



01.19.2021

Project Manager: **Thomas Franklin**  
**American Safety Services**  
8715 Andrews Hwy  
Odessa, TX 79765

Reference: Eurofins Xenco, LLC Report No(s): **684907**

**Cimarex- Crawford 27 26 Fee 15 H**  
Project Address: Eddy County, New Mexico

**Thomas Franklin:**

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 Eurofins Xenco, LLC Report Number(s) 684907. 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 Eurofins Xenco, LLC. 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. 684907 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "jessica kramer".

---

**Jessica Kramer**  
Project Manager

*A Small Business and Minority Company*

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

# Sample Cross Reference 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

| Sample Id                        | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|----------------------------------|--------|------------------|--------------|---------------|
| Confirmation Sample 14 2 FT @ EB | S      | 01.14.2021 10:00 | 2 ft         | 684907-001    |
| Confirmation Sample 15 2 FT @ EB | S      | 01.14.2021 10:05 | 2 ft         | 684907-002    |
| Confirmation Sample 16 2 FT @ EB | S      | 01.14.2021 10:10 | 2 ft         | 684907-003    |
| Confirmation Sample 17 2 FT @ EB | S      | 01.14.2021 10:15 | 2 ft         | 684907-004    |
| Confirmation Sample 18 2 FT @ EB | S      | 01.14.2021 10:20 | 2 ft         | 684907-005    |
| Confirmation Sample 19 2 FT @ EB | S      | 01.14.2021 10:25 | 2 ft         | 684907-006    |
| Confirmation Sample 20 2 FT @ EB | S      | 01.14.2021 10:30 | 2 ft         | 684907-007    |
| Confirmation Sample 21 2 FT @ EB | S      | 01.14.2021 10:35 | 2 ft         | 684907-008    |
| Confirmation Sample 22 2 FT @ EB | S      | 01.14.2021 10:40 | 2 ft         | 684907-009    |
| Confirmation Sample 23 2 FT @ EB | S      | 01.14.2021 10:45 | 2 ft         | 684907-010    |
| Confirmation Sample 24 2 FT @ EB | S      | 01.14.2021 10:50 | 2 ft         | 684907-011    |
| Confirmation Sample 25 2 FT @ EB | S      | 01.14.2021 10:55 | 2 ft         | 684907-012    |
| Confirmation Sample 26 2 FT @ EB | S      | 01.14.2021 11:00 | 2 ft         | 684907-013    |
| Confirmation Sample 27 2 FT @ EB | S      | 01.14.2021 11:05 | 2 ft         | 684907-014    |
| Confirmation Sample 28 2 FT @ EB | S      | 01.14.2021 11:10 | 2 ft         | 684907-015    |
| Confirmation Sample 29 2 FT @ EB | S      | 01.14.2021 11:15 | 2 ft         | 684907-016    |
| Confirmation Sample 30 2 FT @ EB | S      | 01.14.2021 11:20 | 2 ft         | 684907-017    |
| Confirmation Sample 31 2 FT @ EB | S      | 01.14.2021 11:25 | 2 ft         | 684907-018    |
| S Wall 6                         | S      | 01.14.2021 12:00 | 2 ft         | 684907-019    |
| S Wall 7                         | S      | 01.14.2021 12:05 | 2 ft         | 684907-020    |
| S Wall 8                         | S      | 01.14.2021 12:10 | 2 ft         | 684907-021    |
| S Wall 9                         | S      | 01.14.2021 12:15 | 2 ft         | 684907-022    |
| S Wall 10                        | S      | 01.14.2021 12:20 | 2 ft         | 684907-023    |
| S Wall 11                        | S      | 01.14.2021 12:25 |              | 684907-024    |
| S Wall 12                        | S      | 01.14.2021 12:30 |              | 684907-025    |
| S Wall 13                        | S      | 01.15.2021 08:00 |              | 684907-026    |
| S Wall 14                        | S      | 01.15.2021 08:05 |              | 684907-027    |
| S Wall 15                        | S      | 01.15.2021 08:10 |              | 684907-028    |
| S Wall 16                        | S      | 01.15.2021 08:15 |              | 684907-029    |
| S Wall 17                        | S      | 01.15.2021 08:20 |              | 684907-030    |
| S Wall 18                        | S      | 01.15.2021 08:25 |              | 684907-031    |
| S Wall 19                        | S      | 01.15.2021 08:30 |              | 684907-032    |
| S Wall 20                        | S      | 01.15.2021 08:35 | 6 In         | 684907-033    |
| S Wall 21                        | S      | 01.15.2021 08:40 | 6 In         | 684907-034    |
| S Wall 22                        | S      | 01.15.2021 08:45 |              | 684907-035    |
| S Wall 23                        | S      | 01.15.2021 08:50 |              | 684907-036    |
| S Wall 24                        | S      | 01.15.2021 08:55 |              | 684907-037    |
| S Wall 25                        | S      | 01.15.2021 09:00 |              | 684907-038    |
| S Wall 26                        | S      | 01.15.2021 09:05 |              | 684907-039    |
| S Wall 27                        | S      | 01.15.2021 09:10 |              | 684907-040    |
| S Wall 28                        | S      | 01.15.2021 09:15 |              | 684907-041    |
| S Wall 29                        | S      | 01.15.2021 09:20 | 6 In         | 684907-042    |
| S Wall 30                        | S      | 01.15.2021 09:25 | 6 In         | 684907-043    |



Environment Testing  
Xenco

## Sample Cross Reference 684907

American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

S Wall 31

S

01.15.2021 09:30

6 In

684907-044

## CASE NARRATIVE

***Client Name: American Safety Services***

***Project Name: Cimarex- Crawford 27 26 Fee 15 H***

Project ID:

Work Order Number(s): 684907

Report Date: 01.19.2021

Date Received: 01.15.2021

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**Sample receipt non conformances and comments:**

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**Sample receipt non conformances and comments per sample:**

None

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 14 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-001 Date Collected: 01.14.2021 10:00 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 141    | 50.3 | mg/kg | 01.15.2021 22:10 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.15.2021 23:25 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.15.2021 23:25 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.15.2021 23:25 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.15.2021 23:25 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 102        | %     | 70-135 | 01.15.2021 23:25 |      |
| o-Terphenyl    | 84-15-1    | 94         | %     | 70-135 | 01.15.2021 23:25 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 14 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-001 Date Collected: 01.14.2021 10:00 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 06:21 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 06:21     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 123               | %            | 70-130           | 01.16.2021 06:21     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 15 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-002 Date Collected: 01.14.2021 10:05 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 133    | 50.1 | mg/kg | 01.15.2021 22:27 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1  | 50.1 | mg/kg | 01.16.2021 00:24 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1  | 50.1 | mg/kg | 01.16.2021 00:24 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1  | 50.1 | mg/kg | 01.16.2021 00:24 | U    | 1   |
| Total TPH                          | PHC635     | <50.1  | 50.1 | mg/kg | 01.16.2021 00:24 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 92         | %     | 70-135 | 01.16.2021 00:24 |      |
| o-Terphenyl    | 84-15-1    | 96         | %     | 70-135 | 01.16.2021 00:24 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 15 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-002 Date Collected: 01.14.2021 10:05 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 06:43 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 06:43     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 121               | %            | 70-130           | 01.16.2021 06:43     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 16 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-003 Date Collected: 01.14.2021 10:10 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 370    | 50.3 | mg/kg | 01.15.2021 22:33 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 108        | %     | 70-135 | 01.16.2021 00:44 |      |     |
| o-Terphenyl                        | 84-15-1    | 99         | %     | 70-135 | 01.16.2021 00:44 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 16 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-003 Date Collected: 01.14.2021 10:10 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 07:06 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 104               | %            | 70-130           | 01.16.2021 07:06     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 125               | %            | 70-130           | 01.16.2021 07:06     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 17 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-004 Date Collected: 01.14.2021 10:15 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 358    | 100 | mg/kg | 01.15.2021 22:39 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8      | 49.8  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8      | 49.8  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8      | 49.8  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Total TPH                          | PHC635     | <49.8      | 49.8  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 108        | %     | 70-135 | 01.16.2021 01:03 |      |     |
| o-Terphenyl                        | 84-15-1    | 101        | %     | 70-135 | 01.16.2021 01:03 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 17 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-004 Date Collected: 01.14.2021 10:15 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 07:28 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 106               | %            | 70-130           | 01.16.2021 07:28     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 123               | %            | 70-130           | 01.16.2021 07:28     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 18 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-005 Date Collected: 01.14.2021 10:20 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 141    | 49.8 | mg/kg | 01.15.2021 22:44 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:23 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:23 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:23 | U    | 1   |
| Total TPH                          | PHC635     | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:23 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 95         | %     | 70-135 | 01.16.2021 01:23 |      |     |
| o-Terphenyl                        | 84-15-1    | 107        | %     | 70-135 | 01.16.2021 01:23 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 18 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-005 Date Collected: 01.14.2021 10:20 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00404          | 0.00404           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:51 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 103               | %            | 70-130           | 01.16.2021 07:51     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 123               | %            | 70-130           | 01.16.2021 07:51     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 19 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-006 Date Collected: 01.14.2021 10:25 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 335    | 49.9 | mg/kg | 01.15.2021 23:02 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Total TPH                          | PHC635     | <50.3      | 50.3  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 104        | %     | 70-135 | 01.16.2021 01:43 |      |     |
| o-Terphenyl                        | 84-15-1    | 118        | %     | 70-135 | 01.16.2021 01:43 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 19 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-006 Date Collected: 01.14.2021 10:25 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:11 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 114               | %            | 70-130           | 01.16.2021 09:11     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 09:11     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 20 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-007 Date Collected: 01.14.2021 10:30 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 130    | 49.9 | mg/kg | 01.15.2021 23:07 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 111        | %     | 70-135 | 01.16.2021 02:03 |      |     |
| o-Terphenyl                        | 84-15-1    | 96         | %     | 70-135 | 01.16.2021 02:03 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 20 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-007 Date Collected: 01.14.2021 10:30 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00404          | 0.00404           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:33 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 120               | %            | 70-130           | 01.16.2021 09:33     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 09:33     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 21 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-008 Date Collected: 01.14.2021 10:35 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 139    | 50.2 | mg/kg | 01.15.2021 23:13 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2      | 50.2  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2      | 50.2  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2      | 50.2  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Total TPH                          | PHC635     | <50.2      | 50.2  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 96         | %     | 70-135 | 01.16.2021 02:23 |      |     |
| o-Terphenyl                        | 84-15-1    | 98         | %     | 70-135 | 01.16.2021 02:23 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 21 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-008 Date Collected: 01.14.2021 10:35 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 09:56 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 109               | %            | 70-130           | 01.16.2021 09:56     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 129               | %            | 70-130           | 01.16.2021 09:56     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 22 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-009 Date Collected: 01.14.2021 10:40 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 137    | 50.2 | mg/kg | 01.15.2021 23:19 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3  | 50.3 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3  | 50.3 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3  | 50.3 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Total TPH                          | PHC635     | <50.3  | 50.3 | mg/kg | 01.16.2021 02:42 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 105        | %     | 70-135 | 01.16.2021 02:42 |      |
| o-Terphenyl    | 84-15-1    | 91         | %     | 70-135 | 01.16.2021 02:42 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 22 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-009 Date Collected: 01.14.2021 10:40 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:18 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 122               | %            | 70-130           | 01.16.2021 10:18     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 103               | %            | 70-130           | 01.16.2021 10:18     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 23 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-010 Date Collected: 01.14.2021 10:45 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 137    | 50.3 | mg/kg | 01.15.2021 23:24 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 114        | %     | 70-135 | 01.16.2021 03:02 |      |     |
| o-Terphenyl                        | 84-15-1    | 104        | %     | 70-135 | 01.16.2021 03:02 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: Confirmation Sample 23 2 FT @ EB Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-010 Date Collected: 01.14.2021 10:45 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| Toluene              | 108-88-3    | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00399   | 0.00399 | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.002     | 0.002   | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| Total BTEX           |             | <0.002     | 0.002   | mg/kg  | 01.16.2021 10:40 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 126        | %       | 70-130 | 01.16.2021 10:40 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 107        | %       | 70-130 | 01.16.2021 10:40 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 24 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-011 Date Collected: 01.14.2021 10:50 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 188    | 99.4 | mg/kg | 01.15.2021 23:30 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 107        | %     | 70-135 | 01.16.2021 03:42 |      |     |
| o-Terphenyl                        | 84-15-1    | 98         | %     | 70-135 | 01.16.2021 03:42 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 24 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-011 Date Collected: 01.14.2021 10:50 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:03 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.16.2021 11:03     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 121               | %            | 70-130           | 01.16.2021 11:03     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 25 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-012 Date Collected: 01.14.2021 10:55 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 210    | 101 | mg/kg | 01.15.2021 23:47 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2  | 50.2 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2  | 50.2 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2  | 50.2 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Total TPH                          | PHC635     | <50.2  | 50.2 | mg/kg | 01.16.2021 04:02 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 114        | %     | 70-135 | 01.16.2021 04:02 |      |
| o-Terphenyl    | 84-15-1    | 96         | %     | 70-135 | 01.16.2021 04:02 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 25 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-012 Date Collected: 01.14.2021 10:55 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:25 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 106               | %            | 70-130           | 01.16.2021 11:25     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 121               | %            | 70-130           | 01.16.2021 11:25     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 26 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-013 Date Collected: 01.14.2021 11:00 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 159    | 50.5 | mg/kg | 01.15.2021 23:53 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2      | 50.2  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2      | 50.2  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2      | 50.2  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Total TPH                          | PHC635     | <50.2      | 50.2  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 102        | %     | 70-135 | 01.16.2021 04:21 |      |     |
| o-Terphenyl                        | 84-15-1    | 114        | %     | 70-135 | 01.16.2021 04:21 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 26 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-013 Date Collected: 01.14.2021 11:00 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 11:48 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 105               | %            | 70-130           | 01.16.2021 11:48     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 121               | %            | 70-130           | 01.16.2021 11:48     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 27 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-014 Date Collected: 01.14.2021 11:05 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 168    | 49.8 | mg/kg | 01.16.2021 00:10 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 103        | %     | 70-135 | 01.16.2021 04:41 |      |     |
| o-Terphenyl                        | 84-15-1    | 111        | %     | 70-135 | 01.16.2021 04:41 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 27 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-014 Date Collected: 01.14.2021 11:05 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:10 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 126               | %            | 70-130           | 01.16.2021 12:10     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 106               | %            | 70-130           | 01.16.2021 12:10     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 28 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-015 Date Collected: 01.14.2021 11:10 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 158    | 50.1 | mg/kg | 01.16.2021 00:15 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 113        | %     | 70-135 | 01.16.2021 05:01 |      |     |
| o-Terphenyl                        | 84-15-1    | 98         | %     | 70-135 | 01.16.2021 05:01 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 28 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-015 Date Collected: 01.14.2021 11:10 Sample Depth: 2 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:00 % Moisture:  
 Seq Number: 3148050 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:33 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 12:33     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 125               | %            | 70-130           | 01.16.2021 12:33     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 29 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-016 Date Collected: 01.14.2021 11:15 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 89.9   | 50.0 | mg/kg | 01.16.2021 00:21 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 99         | %     | 70-135 | 01.16.2021 05:21 |      |     |
| o-Terphenyl                        | 84-15-1    | 93         | %     | 70-135 | 01.16.2021 05:21 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: Confirmation Sample 29 2 FT @ EB Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-016 Date Collected: 01.14.2021 11:15 Sample Depth: 2 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:01 % Moisture:  
 Seq Number: 3148079 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 04:45 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 90                | %            | 70-130           | 01.16.2021 04:45     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 99                | %            | 70-130           | 01.16.2021 04:45     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 30 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-017 Date Collected: 01.14.2021 11:20 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 178    | 99.2 | mg/kg | 01.16.2021 00:27 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 105        | %     | 70-135 | 01.16.2021 05:40 |      |     |
| o-Terphenyl                        | 84-15-1    | 93         | %     | 70-135 | 01.16.2021 05:40 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 30 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-017 Date Collected: 01.14.2021 11:20 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:01 % Moisture:  
 Seq Number: 3148079 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.16.2021 05:08 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 05:08     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 91                | %            | 70-130           | 01.16.2021 05:08     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 31 2 FT @ EB** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-018 Date Collected: 01.14.2021 11:25 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 175    | 101 | mg/kg | 01.16.2021 00:32 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:00 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:00 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:00 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:00 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 108        | %     | 70-135 | 01.16.2021 06:00 |      |     |
| o-Terphenyl                        | 84-15-1    | 105        | %     | 70-135 | 01.16.2021 06:00 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **Confirmation Sample 31 2 FT @ EB** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-018 Date Collected: 01.14.2021 11:25 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:01 % Moisture:  
 Seq Number: 3148079 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00401          | 0.00401           | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 05:30 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 05:30     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 96                | %            | 70-130           | 01.16.2021 05:30     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 6** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-019 Date Collected: 01.14.2021 12:00 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 130    | 49.9 | mg/kg | 01.16.2021 00:38 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 101        | %     | 70-135 | 01.16.2021 06:19 |      |     |
| o-Terphenyl                        | 84-15-1    | 95         | %     | 70-135 | 01.16.2021 06:19 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 6** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-019 Date Collected: 01.14.2021 12:00 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 16:01 % Moisture:  
 Seq Number: 3148079 Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 05:53 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 05:53     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 90                | %            | 70-130           | 01.16.2021 05:53     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 7** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-020 Date Collected: 01.14.2021 12:05 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:09 % Moisture:  
 Seq Number: 3148037 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 153    | 50.3 | mg/kg | 01.16.2021 00:44 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148055 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 121        | %     | 70-135 | 01.16.2021 06:39 |      |     |
| o-Terphenyl                        | 84-15-1    | 109        | %     | 70-135 | 01.16.2021 06:39 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 7**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-020

Date Collected: 01.14.2021 12:05

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: **Wet Weight**

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 06:15 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 95                | %            | 70-130           | 01.16.2021 06:15     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 06:15     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 8**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-021

Date Collected: 01.14.2021 12:10

Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148039

| Parameter       | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|-------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>70.9</b> | 9.90 | mg/kg | 01.18.2021 10:56 | DX   | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

Analyst: **CAC**

Date Prep: 01.15.2021 18:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148056

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.15.2021 23:25 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.15.2021 23:25 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.15.2021 23:25 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.15.2021 23:25 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 97         | %     | 70-135 | 01.15.2021 23:25 |      |     |
| o-Terphenyl                        | 84-15-1    | 99         | %     | 70-135 | 01.15.2021 23:25 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 8**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-021

Date Collected: 01.14.2021 12:10

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: **Wet Weight**

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 06:37 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 88                | %            | 70-130           | 01.16.2021 06:37     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 06:37     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 9** Matrix: **Soil** Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-022 Date Collected: 01.14.2021 12:15 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>156</b> | 49.7 | mg/kg | 01.16.2021 01:35 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8      | 49.8  | mg/kg  | 01.16.2021 00:24 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8      | 49.8  | mg/kg  | 01.16.2021 00:24 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8      | 49.8  | mg/kg  | 01.16.2021 00:24 | U    | 1   |
| Total TPH                          | PHC635     | <49.8      | 49.8  | mg/kg  | 01.16.2021 00:24 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 98         | %     | 70-135 | 01.16.2021 00:24 |      |     |
| o-Terphenyl                        | 84-15-1    | 92         | %     | 70-135 | 01.16.2021 00:24 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 9**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-022

Date Collected: 01.14.2021 12:15

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: **Wet Weight**

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 07:00 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 103               | %            | 70-130           | 01.16.2021 07:00     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 99                | %            | 70-130           | 01.16.2021 07:00     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 10** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-023 Date Collected: 01.14.2021 12:20 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 157    | 49.9 | mg/kg | 01.16.2021 01:41 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 00:44 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 115        | %     | 70-135 | 01.16.2021 00:44 |      |     |
| o-Terphenyl                        | 84-15-1    | 107        | %     | 70-135 | 01.16.2021 00:44 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 10**

Matrix: Soil

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-023

Date Collected: 01.14.2021 12:20

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 07:22 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 97                | %            | 70-130           | 01.16.2021 07:22     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 07:22     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 11** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-024 Date Collected: 01.14.2021 12:25

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 383    | 49.9 | mg/kg | 01.16.2021 01:46 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.16.2021 01:03 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 118        | %     | 70-135 | 01.16.2021 01:03 |      |     |
| o-Terphenyl                        | 84-15-1    | 112        | %     | 70-135 | 01.16.2021 01:03 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 11**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-024

Date Collected: 01.14.2021 12:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 07:45 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 95                | %            | 70-130           | 01.16.2021 07:45     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 07:45     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 12** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-025 Date Collected: 01.14.2021 12:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 113    | 101 | mg/kg | 01.16.2021 01:52 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2  | 50.2 | mg/kg | 01.16.2021 01:23 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2  | 50.2 | mg/kg | 01.16.2021 01:23 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2  | 50.2 | mg/kg | 01.16.2021 01:23 | U    | 1   |
| Total TPH                          | PHC635     | <50.2  | 50.2 | mg/kg | 01.16.2021 01:23 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 104        | %     | 70-135 | 01.16.2021 01:23 |      |
| o-Terphenyl    | 84-15-1    | 98         | %     | 70-135 | 01.16.2021 01:23 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 12**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-025

Date Collected: 01.14.2021 12:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 08:07 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 93                | %            | 70-130           | 01.16.2021 08:07     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 08:07     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 13** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-026 Date Collected: 01.15.2021 08:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 134    | 100 | mg/kg | 01.16.2021 02:09 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.16.2021 01:43 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 99         | %     | 70-135 | 01.16.2021 01:43 |      |     |
| o-Terphenyl                        | 84-15-1    | 113        | %     | 70-135 | 01.16.2021 01:43 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 13**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-026

Date Collected: 01.15.2021 08:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00401          | 0.00401           | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 09:24 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 92                | %            | 70-130           | 01.16.2021 09:24     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 09:24     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 14**

Matrix: Soil

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-027

Date Collected: 01.15.2021 08:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.15.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148039

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 136    | 99.0 | mg/kg | 01.16.2021 02:15 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: CAC

Analyst: CAC

Date Prep: 01.15.2021 18:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148056

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3      | 50.3  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3      | 50.3  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3      | 50.3  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Total TPH                          | PHC635     | <50.3      | 50.3  | mg/kg  | 01.16.2021 02:03 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 117        | %     | 70-135 | 01.16.2021 02:03 |      |     |
| o-Terphenyl                        | 84-15-1    | 111        | %     | 70-135 | 01.16.2021 02:03 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 14**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-027

Date Collected: 01.15.2021 08:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 09:47 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 93                | %            | 70-130           | 01.16.2021 09:47     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.16.2021 09:47     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 15** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-028 Date Collected: 01.15.2021 08:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 143    | 101 | mg/kg | 01.16.2021 02:20 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8      | 49.8  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8      | 49.8  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8      | 49.8  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Total TPH                          | PHC635     | <49.8      | 49.8  | mg/kg  | 01.16.2021 02:23 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 102        | %     | 70-135 | 01.16.2021 02:23 |      |     |
| o-Terphenyl                        | 84-15-1    | 118        | %     | 70-135 | 01.16.2021 02:23 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 15**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-028

Date Collected: 01.15.2021 08:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00404          | 0.00404           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 10:09 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 98                | %            | 70-130           | 01.16.2021 10:09     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 90                | %            | 70-130           | 01.16.2021 10:09     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 16** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-029 Date Collected: 01.15.2021 08:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 122    | 99.6 | mg/kg | 01.16.2021 02:26 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 01.16.2021 02:42 | U    | 1   |
| Total TPH                          | PHC635     | <50    | 50   | mg/kg | 01.16.2021 02:42 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 97         | %     | 70-135 | 01.16.2021 02:42 |      |
| o-Terphenyl    | 84-15-1    | 105        | %     | 70-135 | 01.16.2021 02:42 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 16**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-029

Date Collected: 01.15.2021 08:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.16.2021 10:32 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 96                | %            | 70-130           | 01.16.2021 10:32     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 10:32     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 17**

Matrix: Soil

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-030

Date Collected: 01.15.2021 08:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 01.15.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148039

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 122    | 101 | mg/kg | 01.16.2021 02:32 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: CAC

Analyst: CAC

Date Prep: 01.15.2021 18:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148056

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3      | 50.3  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3      | 50.3  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3      | 50.3  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Total TPH                          | PHC635     | <50.3      | 50.3  | mg/kg  | 01.16.2021 03:02 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 121        | %     | 70-135 | 01.16.2021 03:02 |      |     |
| o-Terphenyl                        | 84-15-1    | 91         | %     | 70-135 | 01.16.2021 03:02 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 17**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-030

Date Collected: 01.15.2021 08:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.16.2021 10:54 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 96                | %            | 70-130           | 01.16.2021 10:54     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.16.2021 10:54     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 18** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-031 Date Collected: 01.15.2021 08:25

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 124    | 99.0 | mg/kg | 01.16.2021 02:37 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 03:42 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 98         | %     | 70-135 | 01.16.2021 03:42 |      |     |
| o-Terphenyl                        | 84-15-1    | 78         | %     | 70-135 | 01.16.2021 03:42 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 18**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-031

Date Collected: 01.15.2021 08:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 11:16 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 11:16     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 93                | %            | 70-130           | 01.16.2021 11:16     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 19** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-032 Date Collected: 01.15.2021 08:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 116    | 99.4 | mg/kg | 01.16.2021 02:54 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1  | 50.1 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1  | 50.1 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1  | 50.1 | mg/kg | 01.16.2021 04:02 | U    | 1   |
| Total TPH                          | PHC635     | <50.1  | 50.1 | mg/kg | 01.16.2021 04:02 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 104        | %     | 70-135 | 01.16.2021 04:02 |      |
| o-Terphenyl    | 84-15-1    | 118        | %     | 70-135 | 01.16.2021 04:02 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 19**

Matrix: Soil

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-032

Date Collected: 01.15.2021 08:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result     | RL      | Units  | Analysis Date    | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| Toluene              | 108-88-3    | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00399   | 0.00399 | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| o-Xylene             | 95-47-6     | <0.00200   | 0.00200 | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| Total Xylenes        | 1330-20-7   | <0.002     | 0.002   | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| Total BTEX           |             | <0.002     | 0.002   | mg/kg  | 01.16.2021 11:39 | U    | 1   |
| Surrogate            | Cas Number  | % Recovery | Units   | Limits | Analysis Date    | Flag |     |
| 4-Bromofluorobenzene | 460-00-4    | 93         | %       | 70-130 | 01.16.2021 11:39 |      |     |
| 1,4-Difluorobenzene  | 540-36-3    | 102        | %       | 70-130 | 01.16.2021 11:39 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 20** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-033 Date Collected: 01.15.2021 08:35 Sample Depth: 6 In

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 162    | 100 | mg/kg | 01.16.2021 03:00 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.3      | 50.3  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.3      | 50.3  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.3      | 50.3  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Total TPH                          | PHC635     | <50.3      | 50.3  | mg/kg  | 01.16.2021 04:21 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 118        | %     | 70-135 | 01.16.2021 04:21 |      |     |
| o-Terphenyl                        | 84-15-1    | 95         | %     | 70-135 | 01.16.2021 04:21 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 20**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-033

Date Collected: 01.15.2021 08:35

Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.16.2021 12:01 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 92                | %            | 70-130           | 01.16.2021 12:01     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 101               | %            | 70-130           | 01.16.2021 12:01     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 21**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-034

Date Collected: 01.15.2021 08:40

Sample Depth: 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148039

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>204</b> | 99.0 | mg/kg | 01.16.2021 03:17 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

Analyst: **CAC**

Date Prep: 01.15.2021 18:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148056

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 04:41 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 103        | %     | 70-135 | 01.16.2021 04:41 |      |     |
| o-Terphenyl                        | 84-15-1    | 97         | %     | 70-135 | 01.16.2021 04:41 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 21**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-034

Date Collected: 01.15.2021 08:40

Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 16:01

% Moisture:

Seq Number: 3148079

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00403          | 0.00403           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| Total BTEX           |             | <0.00202          | 0.00202           | mg/kg        | 01.16.2021 12:24 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.16.2021 12:24     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 89                | %            | 70-130           | 01.16.2021 12:24     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 22** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-035 Date Collected: 01.15.2021 08:45

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 148    | 49.9 | mg/kg | 01.16.2021 03:23 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8      | 49.8  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8      | 49.8  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8      | 49.8  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Total TPH                          | PHC635     | <49.8      | 49.8  | mg/kg  | 01.16.2021 05:01 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 112        | %     | 70-135 | 01.16.2021 05:01 |      |     |
| o-Terphenyl                        | 84-15-1    | 95         | %     | 70-135 | 01.16.2021 05:01 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 22**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-035

Date Collected: 01.15.2021 08:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 15:21 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 98                | %            | 70-130           | 01.18.2021 15:21     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 89                | %            | 70-130           | 01.18.2021 15:21     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 23** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-036 Date Collected: 01.15.2021 08:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 167    | 49.9 | mg/kg | 01.16.2021 03:28 |      | 5   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1      | 50.1  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1      | 50.1  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1      | 50.1  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Total TPH                          | PHC635     | <50.1      | 50.1  | mg/kg  | 01.16.2021 05:21 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 101        | %     | 70-135 | 01.16.2021 05:21 |      |     |
| o-Terphenyl                        | 84-15-1    | 79         | %     | 70-135 | 01.16.2021 05:21 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 23**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-036

Date Collected: 01.15.2021 08:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 15:43 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 95                | %            | 70-130           | 01.18.2021 15:43     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 99                | %            | 70-130           | 01.18.2021 15:43     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 24** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-037 Date Collected: 01.15.2021 08:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 199    | 101 | mg/kg | 01.16.2021 03:34 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 05:40 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 107        | %     | 70-135 | 01.16.2021 05:40 |      |     |
| o-Terphenyl                        | 84-15-1    | 118        | %     | 70-135 | 01.16.2021 05:40 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 24**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-037

Date Collected: 01.15.2021 08:55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00402          | 0.00402           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| Total BTEX           |             | <0.00201          | 0.00201           | mg/kg        | 01.18.2021 16:06 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 97                | %            | 70-130           | 01.18.2021 16:06     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 84                | %            | 70-130           | 01.18.2021 16:06     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 25** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-038 Date Collected: 01.15.2021 09:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 178    | 99.0 | mg/kg | 01.16.2021 03:40 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.1  | 50.1 | mg/kg | 01.16.2021 06:00 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.1  | 50.1 | mg/kg | 01.16.2021 06:00 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.1  | 50.1 | mg/kg | 01.16.2021 06:00 | U    | 1   |
| Total TPH                          | PHC635     | <50.1  | 50.1 | mg/kg | 01.16.2021 06:00 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 125        | %     | 70-135 | 01.16.2021 06:00 |      |
| o-Terphenyl    | 84-15-1    | 116        | %     | 70-135 | 01.16.2021 06:00 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 25**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-038

Date Collected: 01.15.2021 09:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00401          | 0.00401           | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.18.2021 16:28 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.18.2021 16:28     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 89                | %            | 70-130           | 01.18.2021 16:28     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 26** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-039 Date Collected: 01.15.2021 09:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:00 % Moisture:  
 Seq Number: 3148039 Basis: Wet Weight

| Parameter | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|-----|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 239    | 101 | mg/kg | 01.16.2021 03:45 |      | 10  |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.15.2021 18:00 % Moisture:  
 Seq Number: 3148056 Basis: Wet Weight

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9      | 49.9  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9      | 49.9  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9      | 49.9  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Total TPH                          | PHC635     | <49.9      | 49.9  | mg/kg  | 01.16.2021 06:19 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 107        | %     | 70-135 | 01.16.2021 06:19 |      |     |
| o-Terphenyl                        | 84-15-1    | 96         | %     | 70-135 | 01.16.2021 06:19 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 26**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-039

Date Collected: 01.15.2021 09:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 16:50 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 102               | %            | 70-130           | 01.18.2021 16:50     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 96                | %            | 70-130           | 01.18.2021 16:50     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 27**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-040

Date Collected: 01.15.2021 09:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148039

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>187</b> | 99.0 | mg/kg | 01.16.2021 03:51 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

Analyst: **CAC**

Date Prep: 01.15.2021 18:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148056

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2      | 50.2  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2      | 50.2  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2      | 50.2  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Total TPH                          | PHC635     | <50.2      | 50.2  | mg/kg  | 01.16.2021 06:39 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 110        | %     | 70-135 | 01.16.2021 06:39 |      |     |
| o-Terphenyl                        | 84-15-1    | 105        | %     | 70-135 | 01.16.2021 06:39 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 27**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-040

Date Collected: 01.15.2021 09:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.18.2021 17:13 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 92                | %            | 70-130           | 01.18.2021 17:13     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 98                | %            | 70-130           | 01.18.2021 17:13     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 28**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-041

Date Collected: 01.15.2021 09:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 17:45

% Moisture:  
Basis: Wet Weight

Seq Number: 3148040

| Parameter       | Cas Number | Result     | RL  | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|-----|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>176</b> | 101 | mg/kg | 01.16.2021 04:31 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

Analyst: **CAC**

Date Prep: 01.18.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148174

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.18.2021 19:33 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.18.2021 19:33 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.18.2021 19:33 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.18.2021 19:33 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 114        | %     | 70-135 | 01.18.2021 19:33 |      |     |
| o-Terphenyl                        | 84-15-1    | 111        | %     | 70-135 | 01.18.2021 19:33 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 28**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-041

Date Collected: 01.15.2021 09:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00397          | 0.00397           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| Total BTEX           |             | <0.00198          | 0.00198           | mg/kg        | 01.18.2021 17:35 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 94                | %            | 70-130           | 01.18.2021 17:35     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 99                | %            | 70-130           | 01.18.2021 17:35     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 29**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-042

Date Collected: 01.15.2021 09:20

Sample Depth: 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

% Moisture:

Analyst: **MAB**

Basis: **Wet Weight**

Seq Number: 3148040

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>104</b> | 99.8 | mg/kg | 01.16.2021 04:48 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

% Moisture:

Analyst: **CAC**

Basis: **Wet Weight**

Seq Number: 3148174

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2      | 50.2  | mg/kg  | 01.18.2021 20:33 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2      | 50.2  | mg/kg  | 01.18.2021 20:33 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2      | 50.2  | mg/kg  | 01.18.2021 20:33 | U    | 1   |
| Total TPH                          | PHC635     | <50.2      | 50.2  | mg/kg  | 01.18.2021 20:33 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 102        | %     | 70-135 | 01.18.2021 20:33 |      |     |
| o-Terphenyl                        | 84-15-1    | 109        | %     | 70-135 | 01.18.2021 20:33 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 29**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-042

Date Collected: 01.15.2021 09:20

Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

% Moisture:  
Basis: Wet Weight

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

Seq Number: 3148177

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00399          | 0.00399           | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00200          | 0.00200           | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.002            | 0.002             | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| Total BTEX           |             | <0.002            | 0.002             | mg/kg        | 01.18.2021 17:58 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 92                | %            | 70-130           | 01.18.2021 17:58     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.18.2021 17:58     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 30** Matrix: Soil Date Received: 01.15.2021 13:52  
 Lab Sample Id: 684907-043 Date Collected: 01.15.2021 09:25 Sample Depth: 6 In

Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: MAB  
 Analyst: MAB Date Prep: 01.15.2021 17:45 % Moisture:  
 Seq Number: 3148040 Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 148    | 9.96 | mg/kg | 01.18.2021 11:14 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: CAC  
 Analyst: CAC Date Prep: 01.18.2021 17:00 % Moisture:  
 Seq Number: 3148174 Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.2  | 50.2 | mg/kg | 01.18.2021 20:53 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.2  | 50.2 | mg/kg | 01.18.2021 20:53 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.2  | 50.2 | mg/kg | 01.18.2021 20:53 | U    | 1   |
| Total TPH                          | PHC635     | <50.2  | 50.2 | mg/kg | 01.18.2021 20:53 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 105        | %     | 70-135 | 01.18.2021 20:53 |      |
| o-Terphenyl    | 84-15-1    | 101        | %     | 70-135 | 01.18.2021 20:53 |      |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 30**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-043

Date Collected: 01.15.2021 09:25

Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:

Seq Number: 3148177

Basis: Wet Weight

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00398          | 0.00398           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| Total BTEX           |             | <0.00199          | 0.00199           | mg/kg        | 01.18.2021 18:20 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 4-Bromofluorobenzene |             | 460-00-4          | 94                | %            | 70-130           | 01.18.2021 18:20     |             |
| 1,4-Difluorobenzene  |             | 540-36-3          | 100               | %            | 70-130           | 01.18.2021 18:20     |             |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 31**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-044

Date Collected: 01.15.2021 09:30

Sample Depth: 6 In

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.15.2021 17:45

% Moisture:  
Basis: Wet Weight

Seq Number: 3148040

| Parameter       | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|-----------------|------------|------------|------|-------|------------------|------|-----|
| <b>Chloride</b> | 16887-00-6 | <b>121</b> | 99.8 | mg/kg | 01.16.2021 04:59 |      | 10  |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: **CAC**

Analyst: **CAC**

Date Prep: 01.18.2021 17:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3148174

| Parameter                          | Cas Number | Result     | RL    | Units  | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0  | mg/kg  | 01.18.2021 21:13 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0      | 50.0  | mg/kg  | 01.18.2021 21:13 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0  | mg/kg  | 01.18.2021 21:13 | U    | 1   |
| Total TPH                          | PHC635     | <50        | 50    | mg/kg  | 01.18.2021 21:13 | U    | 1   |
| Surrogate                          | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |     |
| 1-Chlorooctane                     | 111-85-3   | 94         | %     | 70-135 | 01.18.2021 21:13 |      |     |
| o-Terphenyl                        | 84-15-1    | 107        | %     | 70-135 | 01.18.2021 21:13 |      |     |

# Certificate of Analytical Results 684907

## American Safety Services, Odessa, TX

Cimarex- Crawford 27 26 Fee 15 H

Sample Id: **S Wall 31**

Matrix: **Soil**

Date Received: 01.15.2021 13:52

Lab Sample Id: 684907-044

Date Collected: 01.15.2021 09:30

Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: **MAB**

Analyst: **MAB**

Date Prep: 01.18.2021 11:08

% Moisture:  
Basis: Wet Weight

Seq Number: 3148177

| Parameter            | Cas Number  | Result            | RL                | Units        | Analysis Date    | Flag                 | Dil         |
|----------------------|-------------|-------------------|-------------------|--------------|------------------|----------------------|-------------|
| Benzene              | 71-43-2     | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| Toluene              | 108-88-3    | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| Ethylbenzene         | 100-41-4    | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| m,p-Xylenes          | 179601-23-1 | <0.00459          | 0.00459           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| o-Xylene             | 95-47-6     | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| Total Xylenes        | 1330-20-7   | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| Total BTEX           |             | <0.00229          | 0.00229           | mg/kg        | 01.18.2021 18:42 | U                    | 1           |
| <b>Surrogate</b>     |             | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b>    | <b>Analysis Date</b> | <b>Flag</b> |
| 1,4-Difluorobenzene  |             | 540-36-3          | 99                | %            | 70-130           | 01.18.2021 18:42     |             |
| 4-Bromofluorobenzene |             | 460-00-4          | 90                | %            | 70-130           | 01.18.2021 18:42     |             |

## 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.      **ND** Not Detected.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK**      Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory 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



## QC Summary 684907

**American Safety Services**  
 Cimarex- Crawford 27 26 Fee 15 H
**Analytical Method: Chloride by EPA 300**

|                  |               |                              |            |          |             |           |        |                       |           |       |                  |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:      | 3148039       | Matrix: Solid                |            |          |             |           |        | Prep Method: E300P    |           |       |                  |
| MB Sample Id:    | 7719348-1-BLK | LCS Sample Id: 7719348-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b> | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride         | <10.0         | 200                          | 210        | 105      | 204         | 102       | 90-110 | 3                     | 20        | mg/kg | 01.16.2021 01:07 |
| Flag             |               |                              |            |          |             |           |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                  |               |                              |            |          |             |           |        |                       |           |       |                  |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:      | 3148037       | Matrix: Solid                |            |          |             |           |        | Prep Method: E300P    |           |       |                  |
| MB Sample Id:    | 7719347-1-BLK | LCS Sample Id: 7719347-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b> | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride         | <10.0         | 200                          | 208        | 104      | 202         | 101       | 90-110 | 3                     | 20        | mg/kg | 01.15.2021 21:59 |
| Flag             |               |                              |            |          |             |           |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                  |               |                              |            |          |             |           |        |                       |           |       |                  |
|------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:      | 3148040       | Matrix: Solid                |            |          |             |           |        | Prep Method: E300P    |           |       |                  |
| MB Sample Id:    | 7719350-1-BLK | LCS Sample Id: 7719350-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b> | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride         | <10.0         | 200                          | 208        | 104      | 203         | 102       | 90-110 | 2                     | 20        | mg/kg | 01.16.2021 04:20 |
| Flag             |               |                              |            |          |             |           |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3148039       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 684907-021    | MS Sample Id: 684907-021 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 70.9          | 252                        | 285       | 85      | 286        | 85       | 90-110 | 0                     | 20        | mg/kg | 01.18.2021 11:02 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       | X                |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3148039       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 684907-031    | MS Sample Id: 684907-031 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 124           | 199                        | 307       | 92      | 304        | 90       | 90-110 | 1                     | 20        | mg/kg | 01.16.2021 02:43 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method: Chloride by EPA 300**

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3148037       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 684907-001    | MS Sample Id: 684907-001 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 141           | 198                        | 332       | 96      | 338        | 99       | 90-110 | 2                     | 20        | mg/kg | 01.15.2021 22:16 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684907

**American Safety Services**  
 Cimarex- Crawford 27 26 Fee 15 H
**Analytical Method:** Chloride by EPA 300

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3148037       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 684907-011    | MS Sample Id: 684907-011 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 188           | 200                        | 383       | 98      | 379        | 96       | 90-110 | 1                     | 20        | mg/kg | 01.15.2021 23:36 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method:** Chloride by EPA 300

|                   |               |                            |           |         |            |          |        |                       |           |       |                  |
|-------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:       | 3148040       | Matrix: Soil               |           |         |            |          |        | Prep Method: E300P    |           |       |                  |
| Parent Sample Id: | 684907-041    | MS Sample Id: 684907-041 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>  | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Chloride          | 176           | 201                        | 373       | 98      | 363        | 93       | 90-110 | 3                     | 20        | mg/kg | 01.16.2021 04:37 |
| Flag              |               |                            |           |         |            |          |        |                       |           |       |                  |

**Analytical Method:** TPH By SW8015 Mod

|                                   |               |                              |            |          |             |           |        |                       |           |       |                  |
|-----------------------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:                       | 3148055       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW8015P  |           |       |                  |
| MB Sample Id:                     | 7719352-1-BLK | LCS Sample Id: 7719352-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>                  | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Gasoline Range Hydrocarbons (GRO) | <50.0         | 1000                         | 1030       | 103      | 960         | 96        | 70-135 | 7                     | 35        | mg/kg | 01.15.2021 22:44 |
| Diesel Range Organics (DRO)       | <50.0         | 1000                         | 1080       | 108      | 971         | 97        | 70-135 | 11                    | 35        | mg/kg | 01.15.2021 22:44 |
| <b>Surrogate</b>                  | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       |           | Units | Analysis Date    |
| 1-Chlorooctane                    | 91            |                              | 88         |          | 129         |           | 70-135 |                       |           | %     | 01.15.2021 22:44 |
| o-Terphenyl                       | 86            |                              | 86         |          | 117         |           | 70-135 |                       |           | %     | 01.15.2021 22:44 |

**Analytical Method:** TPH By SW8015 Mod

|                                   |               |                              |            |          |             |           |        |                       |           |       |                  |
|-----------------------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|-------|------------------|
| Seq Number:                       | 3148056       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW8015P  |           |       |                  |
| MB Sample Id:                     | 7719353-1-BLK | LCS Sample Id: 7719353-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |       |                  |
| <b>Parameter</b>                  | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units | Analysis Date    |
| Gasoline Range Hydrocarbons (GRO) | <50.0         | 1000                         | 968        | 97       | 1000        | 100       | 70-135 | 3                     | 35        | mg/kg | 01.15.2021 22:44 |
| Diesel Range Organics (DRO)       | <50.0         | 1000                         | 936        | 94       | 997         | 100       | 70-135 | 6                     | 35        | mg/kg | 01.15.2021 22:44 |
| <b>Surrogate</b>                  | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       |           | Units | Analysis Date    |
| 1-Chlorooctane                    | 125           |                              | 89         |          | 98          |           | 70-135 |                       |           | %     | 01.15.2021 22:44 |
| o-Terphenyl                       | 105           |                              | 104        |          | 96          |           | 70-135 |                       |           | %     | 01.15.2021 22:44 |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684907

American Safety Services  
Cimarex- Crawford 27 26 Fee 15 H**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3148174

MB Sample Id: 7719459-1-BLK

Matrix: Solid

Prep Method: SW8015P

Date Prep: 01.18.2021

LCSD Sample Id: 7719459-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD   | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|--------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1030       | 103      | 1170        | 117       | 70-135 | 13     | 35        | mg/kg | 01.18.2021 18:52 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 1150       | 115      | 1030        | 103       | 70-135 | 11     | 35        | mg/kg | 01.18.2021 18:52 |      |
| Surrogate                         | MB %Rec   | MB Flag      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |        |           | Units | Analysis Date    |      |
| 1-Chlorooctane                    | 99        |              | 95         |          |             | 108       |        | 70-135 |           | %     | 01.18.2021 18:52 |      |
| o-Terphenyl                       | 95        |              | 99         |          |             | 115       |        | 70-135 |           | %     | 01.18.2021 18:52 |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3148055

Matrix: Solid

Prep Method: SW8015P

Date Prep: 01.15.2021

**Parameter**

Motor Oil Range Hydrocarbons (MRO)

MB Sample Id: 7719352-1-BLK

MB Result

Units Analysis Date Flag

&lt;50.0

mg/kg 01.15.2021 22:24

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3148056

Matrix: Solid

Prep Method: SW8015P

Date Prep: 01.15.2021

**Parameter**

Motor Oil Range Hydrocarbons (MRO)

MB Sample Id: 7719353-1-BLK

MB Result

Units Analysis Date Flag

&lt;50.0

mg/kg 01.15.2021 22:24

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3148174

Matrix: Solid

Prep Method: SW8015P

Date Prep: 01.18.2021

**Parameter**

Motor Oil Range Hydrocarbons (MRO)

MB Sample Id: 7719459-1-BLK

MB Result

Units Analysis Date Flag

&lt;50.0

mg/kg 01.18.2021 18:32

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3148055

Matrix: Soil

Prep Method: SW8015P

Date Prep: 01.15.2021

Parent Sample Id: 684907-001

MS Sample Id: 684907-001 S

MSD Sample Id: 684907-001 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD   | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|--------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.1         | 1000         | 1070      | 107     | 1200       | 120      | 70-135 | 11     | 35        | mg/kg | 01.15.2021 23:44 |      |
| Diesel Range Organics (DRO)       | <50.1         | 1000         | 978       | 98      | 1030       | 103      | 70-135 | 5      | 35        | mg/kg | 01.15.2021 23:44 |      |
| Surrogate                         |               |              | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag | Limits |        |           | Units | Analysis Date    |      |
| 1-Chlorooctane                    |               |              | 111       |         |            | 107      |        | 70-135 |           | %     | 01.15.2021 23:44 |      |
| o-Terphenyl                       |               |              | 104       |         |            | 96       |        | 70-135 |           | %     | 01.15.2021 23:44 |      |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference[D] = 100\*(C-A) / B  
RPD = 200\* | (C-E) / (C+E) |  
[D] = 100 \* (C) / [B]  
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)LCS = Laboratory Control Sample  
A = Parent Result  
C = MS/LCS Result  
E = MSD/LCSD ResultMS = Matrix Spike  
B = Spike Added  
D = MSD/LCSD % Rec



## QC Summary 684907

American Safety Services  
Cimarex- Crawford 27 26 Fee 15 H

## Analytical Method: TPH By SW8015 Mod

Seq Number: 3148056

Parent Sample Id: 684907-021

Matrix: Soil

MS Sample Id: 684907-021 S

Prep Method: SW8015P

Date Prep: 01.15.2021

MSD Sample Id: 684907-021 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.8         | 995          | 941       | 95      | 1010       | 102      | 70-135 | 7    | 35        | mg/kg | 01.15.2021 23:44 |      |
| Diesel Range Organics (DRO)       | <49.8         | 995          | 966       | 97      | 999        | 100      | 70-135 | 3    | 35        | mg/kg | 01.15.2021 23:44 |      |
| Surrogate                         |               |              | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag |        |      |           | Units | Analysis Date    |      |
| 1-Chlorooctane                    |               |              | 121       |         |            | 109      |        |      | 70-135    | %     | 01.15.2021 23:44 |      |
| o-Terphenyl                       |               |              | 95        |         |            | 107      |        |      | 70-135    | %     | 01.15.2021 23:44 |      |

## Analytical Method: TPH By SW8015 Mod

Seq Number: 3148174

Parent Sample Id: 684907-041

Matrix: Soil

MS Sample Id: 684907-041 S

Prep Method: SW8015P

Date Prep: 01.18.2021

MSD Sample Id: 684907-041 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.9         | 997          | 942       | 94      | 954        | 96       | 70-135 | 1    | 35        | mg/kg | 01.18.2021 19:53 |      |
| Diesel Range Organics (DRO)       | <49.9         | 997          | 924       | 93      | 922        | 93       | 70-135 | 0    | 35        | mg/kg | 01.18.2021 19:53 |      |
| Surrogate                         |               |              | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag |        |      |           | Units | Analysis Date    |      |
| 1-Chlorooctane                    |               |              | 98        |         |            | 108      |        |      | 70-135    | %     | 01.18.2021 19:53 |      |
| o-Terphenyl                       |               |              | 93        |         |            | 119      |        |      | 70-135    | %     | 01.18.2021 19:53 |      |

## Analytical Method: BTEX by EPA 8021B

Seq Number: 3148050

MB Sample Id: 7719358-1-BLK

Matrix: Solid

LCS Sample Id: 7719358-1-BKS

Prep Method: SW5035A

Date Prep: 01.15.2021

LCSD Sample Id: 7719358-1-BSD

| Parameter            | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|----------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene              | <0.00200  | 0.100        | 0.0976     | 98       | 0.0982      | 98        | 70-130 | 1    | 35        | mg/kg | 01.16.2021 02:23 |      |
| Toluene              | <0.00200  | 0.100        | 0.0913     | 91       | 0.0911      | 91        | 70-130 | 0    | 35        | mg/kg | 01.16.2021 02:23 |      |
| Ethylbenzene         | <0.00200  | 0.100        | 0.0935     | 94       | 0.0932      | 93        | 71-129 | 0    | 35        | mg/kg | 01.16.2021 02:23 |      |
| m,p-Xylenes          | <0.00400  | 0.200        | 0.197      | 99       | 0.196       | 98        | 70-135 | 1    | 35        | mg/kg | 01.16.2021 02:23 |      |
| o-Xylene             | <0.00200  | 0.100        | 0.0966     | 97       | 0.0965      | 97        | 71-133 | 0    | 35        | mg/kg | 01.16.2021 02:23 |      |
| Surrogate            | MB %Rec   | MB Flag      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag |        |      |           | Units | Analysis Date    |      |
| 1,4-Difluorobenzene  | 103       |              | 101        |          |             | 100       |        |      | 70-130    | %     | 01.16.2021 02:23 |      |
| 4-Bromofluorobenzene | 119       |              | 105        |          |             | 109       |        |      | 70-130    | %     | 01.16.2021 02:23 |      |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200 \* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684907

American Safety Services  
Cimarex- Crawford 27 26 Fee 15 H

## Analytical Method: BTEX by EPA 8021B

|                      |               |                              |            |          |             |           |        |                       |           |                  |                  |
|----------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:          | 3148079       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW5035A  |           |                  |                  |
| MB Sample Id:        | 7719404-1-BLK | LCS Sample Id: 7719404-1-BKS |            |          |             |           |        | Date Prep: 01.15.2021 |           |                  |                  |
| Parameter            | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Benzene              | <0.00200      | 0.100                        | 0.104      | 104      | 0.0959      | 96        | 70-130 | 8                     | 35        | mg/kg            | 01.16.2021 02:43 |
| Toluene              | <0.00200      | 0.100                        | 0.0990     | 99       | 0.0915      | 92        | 70-130 | 8                     | 35        | mg/kg            | 01.16.2021 02:43 |
| Ethylbenzene         | <0.00200      | 0.100                        | 0.0913     | 91       | 0.0834      | 83        | 71-129 | 9                     | 35        | mg/kg            | 01.16.2021 02:43 |
| m,p-Xylenes          | <0.00400      | 0.200                        | 0.187      | 94       | 0.170       | 85        | 70-135 | 10                    | 35        | mg/kg            | 01.16.2021 02:43 |
| o-Xylene             | <0.00200      | 0.100                        | 0.0930     | 93       | 0.0852      | 85        | 71-133 | 9                     | 35        | mg/kg            | 01.16.2021 02:43 |
| Surrogate            | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1,4-Difluorobenzene  | 97            |                              | 95         |          | 94          |           | 70-130 |                       | %         | 01.16.2021 02:43 |                  |
| 4-Bromofluorobenzene | 86            |                              | 88         |          | 87          |           | 70-130 |                       | %         | 01.16.2021 02:43 |                  |

## Analytical Method: BTEX by EPA 8021B

|                      |               |                              |            |          |             |           |        |                       |           |                  |                  |
|----------------------|---------------|------------------------------|------------|----------|-------------|-----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:          | 3148177       | Matrix: Solid                |            |          |             |           |        | Prep Method: SW5035A  |           |                  |                  |
| MB Sample Id:        | 7719406-1-BLK | LCS Sample Id: 7719406-1-BKS |            |          |             |           |        | Date Prep: 01.18.2021 |           |                  |                  |
| Parameter            | MB Result     | Spike Amount                 | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Benzene              | <0.00200      | 0.100                        | 0.100      | 100      | 0.105       | 105       | 70-130 | 5                     | 35        | mg/kg            | 01.18.2021 13:19 |
| Toluene              | <0.00200      | 0.100                        | 0.0960     | 96       | 0.102       | 102       | 70-130 | 6                     | 35        | mg/kg            | 01.18.2021 13:19 |
| Ethylbenzene         | <0.00200      | 0.100                        | 0.0893     | 89       | 0.0948      | 95        | 71-129 | 6                     | 35        | mg/kg            | 01.18.2021 13:19 |
| m,p-Xylenes          | <0.00400      | 0.200                        | 0.182      | 91       | 0.194       | 97        | 70-135 | 6                     | 35        | mg/kg            | 01.18.2021 13:19 |
| o-Xylene             | <0.00200      | 0.100                        | 0.0894     | 89       | 0.0953      | 95        | 71-133 | 6                     | 35        | mg/kg            | 01.18.2021 13:19 |
| Surrogate            | MB %Rec       | MB Flag                      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1,4-Difluorobenzene  | 99            |                              | 96         |          | 93          |           | 70-130 |                       | %         | 01.18.2021 13:19 |                  |
| 4-Bromofluorobenzene | 88            |                              | 87         |          | 86          |           | 70-130 |                       | %         | 01.18.2021 13:19 |                  |

## Analytical Method: BTEX by EPA 8021B

|                      |               |                            |           |         |            |          |        |                       |           |                  |                  |
|----------------------|---------------|----------------------------|-----------|---------|------------|----------|--------|-----------------------|-----------|------------------|------------------|
| Seq Number:          | 3148050       | Matrix: Soil               |           |         |            |          |        | Prep Method: SW5035A  |           |                  |                  |
| Parent Sample Id:    | 684910-001    | MS Sample Id: 684910-001 S |           |         |            |          |        | Date Prep: 01.15.2021 |           |                  |                  |
| Parameter            | Parent Result | Spike Amount               | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD                  | RPD Limit | Units            | Analysis Date    |
| Benzene              | <0.00201      | 0.100                      | 0.112     | 112     | 0.0991     | 99       | 70-130 | 12                    | 35        | mg/kg            | 01.16.2021 03:08 |
| Toluene              | <0.00201      | 0.100                      | 0.105     | 105     | 0.0927     | 93       | 70-130 | 12                    | 35        | mg/kg            | 01.16.2021 03:08 |
| Ethylbenzene         | <0.00201      | 0.100                      | 0.111     | 111     | 0.0965     | 97       | 71-129 | 14                    | 35        | mg/kg            | 01.16.2021 03:08 |
| m,p-Xylenes          | <0.00402      | 0.201                      | 0.227     | 113     | 0.201      | 101      | 70-135 | 12                    | 35        | mg/kg            | 01.16.2021 03:08 |
| o-Xylene             | <0.00201      | 0.100                      | 0.112     | 112     | 0.0995     | 100      | 71-133 | 12                    | 35        | mg/kg            | 01.16.2021 03:08 |
| Surrogate            |               |                            | MS %Rec   | MS Flag | MSD %Rec   | MSD Flag | Limits |                       | Units     | Analysis Date    |                  |
| 1,4-Difluorobenzene  |               |                            | 98        |         | 101        |          | 70-130 |                       | %         | 01.16.2021 03:08 |                  |
| 4-Bromofluorobenzene |               |                            | 110       |         | 116        |          | 70-130 |                       | %         | 01.16.2021 03:08 |                  |

MS/MSD Percent Recovery  
 Relative Percent Difference  
 LCS/LCSD Recovery  
 Log Difference

[D] = 100\*(C-A) / B  
 RPD = 200\* | (C-E) / (C+E) |  
 [D] = 100 \* (C) / [B]  
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## QC Summary 684907

**American Safety Services**  
Cimarex- Crawford 27 26 Fee 15 H
**Analytical Method: BTEX by EPA 8021B**

|                      |                      |                            |                  |                |                   |                 |               |              |                  |                      |
|----------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------|---------------|--------------|------------------|----------------------|
| Seq Number:          | 3148079              | Matrix: Soil               |                  |                |                   |                 |               | Prep Method: | SW5035A          |                      |
| Parent Sample Id:    | 684907-016           | MS Sample Id: 684907-016 S |                  |                |                   |                 |               | Date Prep:   | 01.15.2021       |                      |
| <b>Parameter</b>     | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b> | <b>Limits</b> | <b>%RPD</b>  | <b>RPD Limit</b> | <b>Units</b>         |
| Benzene              | <0.00201             | 0.101                      | 0.107            | 106            | 0.0919            | 91              | 70-130        | 15           | 35               | mg/kg                |
| Toluene              | <0.00201             | 0.101                      | 0.101            | 100            | 0.0891            | 88              | 70-130        | 13           | 35               | mg/kg                |
| Ethylbenzene         | <0.00201             | 0.101                      | 0.0921           | 91             | 0.0813            | 80              | 71-129        | 12           | 35               | mg/kg                |
| m,p-Xylenes          | <0.00402             | 0.201                      | 0.188            | 94             | 0.165             | 82              | 70-135        | 13           | 35               | mg/kg                |
| o-Xylene             | <0.00201             | 0.101                      | 0.0943           | 93             | 0.0813            | 80              | 71-133        | 15           | 35               | mg/kg                |
| <b>Surrogate</b>     |                      |                            | <b>MS %Rec</b>   | <b>MS Flag</b> | <b>MSD %Rec</b>   | <b>MSD Flag</b> | <b>Limits</b> |              | <b>Units</b>     | <b>Analysis Date</b> |
| 1,4-Difluorobenzene  |                      |                            | 96               |                | 95                |                 | 70-130        |              | %                | 01.16.2021 12:46     |
| 4-Bromofluorobenzene |                      |                            | 87               |                | 88                |                 | 70-130        |              | %                | 01.16.2021 12:46     |

**Analytical Method: BTEX by EPA 8021B**

|                      |                      |                            |                  |                |                   |                 |               |                |                  |                      |
|----------------------|----------------------|----------------------------|------------------|----------------|-------------------|-----------------|---------------|----------------|------------------|----------------------|
| Seq Number:          | 3148177              | Matrix: Soil               |                  |                |                   |                 |               | Date Prep:     | 01.18.2021       |                      |
| Parent Sample Id:    | 684907-035           | MS Sample Id: 684907-035 S |                  |                |                   |                 |               | MSD Sample Id: | 684907-035 SD    |                      |
| <b>Parameter</b>     | <b>Parent Result</b> | <b>Spike Amount</b>        | <b>MS Result</b> | <b>MS %Rec</b> | <b>MSD Result</b> | <b>MSD %Rec</b> | <b>Limits</b> | <b>%RPD</b>    | <b>RPD Limit</b> | <b>Units</b>         |
| Benzene              | <0.00201             | 0.101                      | 0.103            | 102            | 0.108             | 107             | 70-130        | 5              | 35               | mg/kg                |
| Toluene              | <0.00201             | 0.101                      | 0.0992           | 98             | 0.104             | 103             | 70-130        | 5              | 35               | mg/kg                |
| Ethylbenzene         | <0.00201             | 0.101                      | 0.0917           | 91             | 0.0970            | 96              | 71-129        | 6              | 35               | mg/kg                |
| m,p-Xylenes          | <0.00402             | 0.201                      | 0.186            | 93             | 0.198             | 99              | 70-135        | 6              | 35               | mg/kg                |
| o-Xylene             | <0.00201             | 0.101                      | 0.0911           | 90             | 0.0970            | 96              | 71-133        | 6              | 35               | mg/kg                |
| <b>Surrogate</b>     |                      |                            | <b>MS %Rec</b>   | <b>MS Flag</b> | <b>MSD %Rec</b>   | <b>MSD Flag</b> | <b>Limits</b> |                | <b>Units</b>     | <b>Analysis Date</b> |
| 1,4-Difluorobenzene  |                      |                            | 96               |                | 95                |                 | 70-130        |                | %                | 01.18.2021 14:03     |
| 4-Bromofluorobenzene |                      |                            | 87               |                | 92                |                 | 70-130        |                | %                | 01.18.2021 14:03     |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

[D] = 100\*(C-A) / B  
RPD = 200\* | (C-E) / (C+E) |  
[D] = 100 \* (C) / [B]  
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
A = Parent Result  
C = MS/LCS Result  
E = MSD/LCSD Result

MS = Matrix Spike  
B = Spike Added  
D = MSD/LCSD % Rec



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# CHAIN OF CUSTODY

Page | of 5

Q84907

Received by OCD: 2/23/2021 8:24:23 AM

| Client/ Reporting Information   |  | Project Information                                       |  | Analytical Information                   |                   | Matrix Codes  |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |
|---|--|---|--|--|-------------------|---|--------------|--|------|--|------|--|------|---------------------------------------|--------------|---|------------|----------------|--|--|--------|--------------|----------------------|
| Company Name / Branch:<br><b>American Safety Services Inc.</b>  | Project Name/Number:<br>Cimarex-Crawford 27 26 Fee 15H | Project Location:<br>8715 Andrews Hwy<br>Odessa, TX 79765 | Invoice To:<br>Eddy Co. NM<br>Tel: Montoya<br>lmonroya@cimarex.com | Phone No:<br>432-557-9868                | Po Number:        | Xenco Quote #   | Xenco Job #  |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |
| Reinquirer Contact:<br><b>Thomas Franklin</b>   | Samplers's Name<br><b>M.J. JU</b>                      |   |  |  |                   |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |
| No.   | Field ID / Point of Collection                         | Collection  | Sample Depth   | Date                                     | Time              | Matrix  | # of bottles | NaOH/Vzn Acetate                                 | HNO3 | H2SO4                                  | NaOH | NaHSO4                                       | MEOH | NONE                                  | TPH TX 8015M | Chloride 300                            | BTEX 8021B | Field Comments |  |  |        |              |                      |
| 1   | Confirmation Sample 14                                 | 2FT@EB  | comp   | 1/14/2021                                | 1000              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 2   | Confirmation Sample 15                                 | 2FT@EB  |  | 1/14/2021                                | 1005              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 3   | Confirmation Sample 16                                 | 2FT@EB  |  | 1/14/2021                                | 1010              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 4   | Confirmation Sample 17                                 | 2FT@EB  |  | 1/14/2021                                | 1015              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 5   | Confirmation Sample 18                                 | 2FT@EB  |  | 1/14/2021                                | 1020              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 6   | Confirmation Sample 19                                 | 2FT@EB  |  | 1/14/2021                                | 1025              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 7   | Confirmation Sample 20                                 | 2FT@EB  |  | 1/14/2021                                | 1030              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 8   | Confirmation Sample 21                                 | 2FT@EB  |  | 1/14/2021                                | 1035              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 9   | Confirmation Sample 22                                 | 2FT@EB  |  | 1/14/2021                                | 1040              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| 10  | Confirmation Sample 23                                 | 2FT@EB  |  | 1/14/2021                                | 1045              | S   | 1            | X  |      |  | X    | X  | X    | X                                     |              |   |            |                |  |  |        |              |                      |
| Turnaround Time (Business days)   |  | Data Deliverable Information                              |  |  |                   |   |              |  |      |  |      |  |      |                                       |              |   | Notes:     |                |  |  |        |              |                      |
| <input type="checkbox"/> Same Day TAT   |  | <input type="checkbox"/> 5 Day TAT                        |  | <input type="checkbox"/> Level II Std QC |                   | <input type="checkbox"/> Level IV (Full Data Pkg /raw data) |              | <input type="checkbox"/> Level III Std QC- Forms |      | <input type="checkbox"/> TRRP Level IV |      | <input type="checkbox"/> Level 3 (CLP Forms) |      | <input type="checkbox"/> UST / RG-411 |              | <input type="checkbox"/> TRRP Checklist |            |                |  |  |        |              |                      |
| TAT Starts Day received by Lab, if received by 5:00 pm  |  | FED-EX / UPS: Tracking #                                  |  |  |                   |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY |  |   |  |  |                   |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |
| Relinquished by Sampler:<br><b>J. M. Ju De Jua.</b>   | Date Time:<br>1/15/2021 1352                           | Received By:<br>1. Cole Cutts                             | Relinquished By:<br>2  | Date Time:<br>2                          | Received By:<br>2 |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  | On Ice | Cooler Temp. | Thermo. Corr. Factor |
| Relinquished by:<br><b>3</b>  | Date Time:<br>1/15/2021 1352                           | Received By:<br>3   | Relinquished By:<br>3  | Date Time:<br>3                          | Received By:<br>4 |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  | 4      |              |                      |
| Relinquished by:<br><b>5</b>  | Date Time:<br>5  | Received By:<br>5   |  |  |                   |   |              |  |      |  |      |  |      |                                       |              |   |            |                |  |  |        |              |                      |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.



# CHAIN OF CUSTODY

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**Phoenix, Arizona (480-355-0900)**

| Client / Reporting Information   |                                | Project Information  |      | Analytical Information                          |              | Matrix Codes   |      |                   |      |                     |      |      |              |              |            |                |  |
|--|--------------------------------|--|------|---|--------------|--|------|-------------------|------|---------------------|------|------|--------------|--------------|------------|----------------|--|
| <b>Company Name / Branch:</b><br><b>American Safety Services, Inc.</b><br><b>Company Address:</b><br>8715 Andrews Hwy<br>Odessa TX 79765 |                                | <b>Project Name/Number:</b><br>Cimarex-Crawford 27-26 Fee 15H  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>Email:</b><br>tfranklin@americansafety.net  |                                | <b>Project Location:</b><br>Invoice To:<br>Eddy Co. NM<br>Tell Montoya<br>Phone No.:<br>432-557-9888 |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>Project Contact:</b><br>Thomas Franklin   |                                | <b>PO Number:</b><br>lmontoya@cimarex.com  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>Sampler's Name:</b><br>Higuer   |                                |  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| No.  | Field ID / Point of Collection | Collection   |      | Number of preserved bottles                     |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
|  | Sample Depth                   | Date   | Time | Matrix  | # of bottles | NaOH/Zn Acetate  | HNO3 | H2SO4             | NaOH | NaHSO4              | MEOH | NONE | TPH TX 8015M | Chloride 300 | BTEX 8021B | Field Comments |  |
| 1  | Confirmation Sample 24         | 2FHQ EB  | corp | 1/14/2021                                       | 1050         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 2  | Confirmation Sample 25         | 2FHQ EB  |      | 1/14/2021                                       | 1055         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 3  | Confirmation Sample 26         | 2FHQ EB  |      | 1/14/2021                                       | 1100         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 4  | Confirmation Sample 27         | 2FHQ EB  |      | 1/14/2021                                       | 1105         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 5  | Confirmation Sample 28         | 2FHQ EB  |      | 1/14/2021                                       | 1110         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 6  | Confirmation Sample 29         | 2FHQ EB  |      | 1/14/2021                                       | 1115         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 7  | Confirmation Sample 30         | 2FHQ EB  |      | 1/14/2021                                       | 1120         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 8  | Confirmation Sample 31         | 2FHQ EB  |      | 1/14/2021                                       | 1125         | S  | 1    | X                 |      |                     | X    | X    | X            |              |            |                |  |
| 9  |                                |  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| 10   |                                |  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| Turnaround Time (Business days)  |                                |  |      | Data Deliverable Information                    |              |  |      |                   |      |                     |      |      |              |              |            | Notes:         |  |
| <input type="checkbox"/> Same Day TAT  |                                | <input type="checkbox"/> 5 Day TAT   |      | <input type="checkbox"/> Level II Std QC        |              | <input type="checkbox"/> Level IV (Full Data Pkg / raw data) |      |                   |      |                     |      |      |              |              |            |                |  |
| <input type="checkbox"/> Next Day EMERGENCY  |                                | <input type="checkbox"/> 7 Day TAT   |      | <input type="checkbox"/> Level II Std QC+ Forms |              | <input type="checkbox"/> TRRP Level IV                       |      |                   |      |                     |      |      |              |              |            |                |  |
| <input type="checkbox"/> 2 Day EMERGENCY   |                                | <input checked="" type="checkbox"/> Contract TAT   |      | <input type="checkbox"/> Level 3 (CLP Forms)    |              | <input type="checkbox"/> UST / RG-411                        |      |                   |      |                     |      |      |              |              |            |                |  |
| <input type="checkbox"/> 3 Day EMERGENCY   |                                |  |      | <input type="checkbox"/> TRRP Checklist         |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>TAT Starts Day received by Lab, if received by 5:00 pm</b>  |                                |  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>                           |                                |  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |
| <b>Relinquished by Sampler:</b><br><i>Miguel De la Rosa</i>  |                                | <b>Date Time:</b><br>1/15/21 1350  |      | <b>Received By:</b><br><i>Cecilia 1-15-21</i>   |              | <b>Relinquished By:</b><br>2                                 |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
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| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
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| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date Time:</b>  |      | <b>Received By:</b>                             |              | <b>Relinquished By:</b>                                      |      | <b>Date Time:</b> |      | <b>Received By:</b> |      |      |              |              |            |                |  |
| <b>Relinquished by:</b>  |                                | <b>Date</b>  |      |   |              |  |      |                   |      |                     |      |      |              |              |            |                |  |

No loss be

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losses or expenses incurred by the Client if such losses are due to circumstances not within the control of the Contractor and which are beyond the reasonable control of the Contractor.



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San Antonio, Texas (210-509-3334)  
Midland, Texas (432-704-5251)

**Phoenix, Arizona (480-355-0900)**

| Client / Reporting Information  |                                | Project Information   |                       | Analytical Information      |              | Matrix Codes             |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
|---|--------------------------------|---|-----------------------|-----------------------------|--------------|--------------------------|-------------------|---|------------------------------|---|-----------------------|------------|--------------|--------------------------|--|------------------|------------|--------------|---|--------------|---|--|--|--|---|--------------|---|--------------|---|--------|-------------|--|---|----------------|---|----------------------------|---|----------------------|-------------------|
| <p>Company Name / Branch:<br/><b>American Safety Services Inc.</b></p> <p>Company Address:<br/>8715 Andrews Hwy<br/>Odessa Tx 79765</p> <p>Email:<br/>tfranklin@americansafety.net</p> <p>Project Contact:<br/><b>Thomas Franklin</b></p> <p>Samplers Name<br/><i>M. Lopez</i></p>  |                                | <p>Project Name/Number:<br/>Cimarex-Crawford 27 26 Fee 15H</p> <p>Project Location:<br/>Eddy Co. NM</p> <p>Invoice To:<br/>Tell Montoya</p> <p>Phone No.:<br/>432-557-9868</p> <p>PO Number:<br/>lmontoya@cimarex.com</p> |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| No.   | Field ID / Point of Collection | Collection  |                       | Number of preserved bottles |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
|   |                                | Sample Depth  | Date                  | Time                        | Matrix       | # of bottles             | Field Comments    |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 1   | S wall 6                       |   | 11/4/2021             | 1200                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 2   | S wall 7                       |   | 11/4/2021             | 1205                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 3   | S wall 8                       |   | 11/4/2021             | 1210                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 4   | S wall 9                       |   | 11/4/2021             | 1215                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 5   | S wall 10                      |   | 11/4/2021             | 1220                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 6   | S wall 11                      |   | 11/4/2021             | 1225                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 7   | S wall 12                      |   | 11/4/2021             | 1230                        | S            | 1                        | X                 |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 8   |                                |   |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 9   |                                |   |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| 10  |                                |   |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| Turnaround Time (Business days)   |                                | Data Deliverable Information  |                       | Notes:                      |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| <input type="checkbox"/> Same Day TAT <input type="checkbox"/> 5 Day TAT <input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg / raw data)  |                                | <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV   |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT  |                                | <input type="checkbox"/> Contract TAT <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG-411  |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> TRRP Checklist  |                                |   |                       |                             |              |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| <p><b>TAT Starts Day received by Lab, if received by 5:00 pm</b></p> <p><b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b></p> <table border="1"> <tr> <td>Relinquished by Sampler:<br/><i>M. Lopez</i></td> <td>Date Time:<br/>01/05/21 13:50</td> <td>Received By:<br/><i>John Clapp 1:35:21</i></td> <td>Relinquished By:<br/>1</td> <td>Date Time:</td> <td>Received By:</td> <td colspan="2">FED-EX / UPS: Tracking #</td> </tr> <tr> <td>Relinquished by:</td> <td>Date Time:</td> <td>Received By:</td> <td>2</td> <td>Received By:</td> <td>2</td> <td colspan="2"></td> </tr> <tr> <td></td> <td>3</td> <td>Received By:</td> <td>3</td> <td>Received By:</td> <td>4</td> <td>On Ice</td> <td>Cooler Temp</td> </tr> <tr> <td></td> <td>4</td> <td>Custody Seal #</td> <td>4</td> <td>Preserved where applicable</td> <td>4</td> <td>Thermo. Corr. Factor</td> <td><i>Temp Proof</i></td> </tr> </table> |                                |   |                       |                             |              |                          |                   | Relinquished by Sampler:<br><i>M. Lopez</i> | Date Time:<br>01/05/21 13:50 | Received By:<br><i>John Clapp 1:35:21</i> | Relinquished By:<br>1 | Date Time: | Received By: | FED-EX / UPS: Tracking # |  | Relinquished by: | Date Time: | Received By: | 2 | Received By: | 2 |  |  |  | 3 | Received By: | 3 | Received By: | 4 | On Ice | Cooler Temp |  | 4 | Custody Seal # | 4 | Preserved where applicable | 4 | Thermo. Corr. Factor | <i>Temp Proof</i> |
| Relinquished by Sampler:<br><i>M. Lopez</i>   | Date Time:<br>01/05/21 13:50   | Received By:<br><i>John Clapp 1:35:21</i>   | Relinquished By:<br>1 | Date Time:                  | Received By: | FED-EX / UPS: Tracking # |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
| Relinquished by:  | Date Time:                     | Received By:  | 2                     | Received By:                | 2            |                          |                   |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
|   | 3                              | Received By:  | 3                     | Received By:                | 4            | On Ice                   | Cooler Temp       |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |
|   | 4                              | Custody Seal #  | 4                     | Preserved where applicable  | 4            | Thermo. Corr. Factor     | <i>Temp Proof</i> |   |                              |   |                       |            |              |                          |  |                  |            |              |   |              |   |  |  |  |   |              |   |              |   |        |             |  |   |                |   |                            |   |                      |                   |

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## CHAIN OF CUSTODY

Page  
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| Client / Reporting Information  |                                | Project Information  |         | Analytical Information   |  | Matrix Codes             |                |
|---|--------------------------------|--|---------|--|--|--------------------------|----------------|
| <b>American Safety Services Inc.</b><br>Company Name / Branch:<br>Company Address:<br>8715 Andrews Hwy<br>Odessa TX 79765<br>Email:<br><a href="mailto:tfranklin@american-safety.net">tfranklin@american-safety.net</a><br>Project Contact:<br><b>Thomas Franklin</b><br>Sampler's Name <u>M.Q.M.</u> |                                | Project Name/Number:<br><b>Cimarex-Crawford 27 26 Fee 15H</b><br>Project Location:<br>Eddy Co. NM<br>Invoice To:<br>Tell Montoya<br>Phone No:<br>432-557-9868<br>PO Number:<br><u>IMontoya@cimarex.com</u> |         |  |  |                          |                |
| No.   | Field ID / Point of Collection | Collection   |         |  | Number of preserved bottles  |                          |                |
|   |                                | Sample Depth   | Date    | Time   | Matrix   | # of bottles             | Field Comments |
| 1   | S wall 13                      | 0  | 1/15/21 | 0800   | S  | 1                        | X              |
| 2   | S wall 14                      | 0  | 1/15/21 | 0805   | S  | 1                        | X              |
| 3   | S wall 15                      | 0  | 1/15/21 | 0810   | S  | 1                        | X              |
| 4   | S wall 16                      | 0  | 1/15/21 | 0815   | S  | 1                        | X              |
| 5   | S wall 17                      | 0  | 1/15/21 | 0820   | S  | 1                        | X              |
| 6   | S wall 18                      | 0  | 1/15/21 | 0825   | S  | 1                        | X              |
| 7   | S wall 19                      | 0  | 1/15/21 | 0830   | S  | 1                        | X              |
| 8   | S wall 20                      | 6  | 1/15/21 | 0835   | S  | 1                        | X              |
| 9   | S wall 21                      | 6  | 1/15/21 | 0840   | S  | 1                        | X              |
| 10  | S wall 22                      | 0  | 1/15/21 | 0845   | S  | 1                        | X              |
| Turnaround Time (Business days)   |                                |  |         |  | Data Deliverable Information   |                          |                |
| <input type="checkbox"/> Same Day TAT <input type="checkbox"/> 5 Day TAT <input type="checkbox"/> Level II Std QC   |                                |  |         |  | <input type="checkbox"/> Level IV (Full Data Pkg / raw data) <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV |                          |                |
| <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Contract TAT  |                                |  |         |  | <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG-411   |                          |                |
| <input type="checkbox"/> 2 Day EMERGENCY <input checked="" type="checkbox"/> 3 Day EMERGENCY  |                                |  |         |  | <input type="checkbox"/> TRRP Checklist  |                          |                |
| <b>TAT Starts Day received by Lab, if received by 5:00 pm</b>   |                                |  |         |  |  |                          |                |
| <b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>  |                                |  |         |  |  |                          |                |
| Relinquished by Sampler: <u>M.Q.M. Dutton</u><br>Relinquished by: <u></u><br>Relinquished by: <u></u>   |                                | Date Time: <u>01/15/21 1300</u><br>Received By: <u>1</u> <u>Colleen Dutton</u><br>Received By: <u>2</u> <u>1:15:21</u><br>Received By: <u>3</u> <u></u><br>Received By: <u>4</u> <u></u>                   |         | Date Time: <u>Received By:</u><br>Relinquished By: <u>1</u> <u></u><br>Received By: <u>2</u> <u></u><br>Received By: <u>3</u> <u></u><br>Received By: <u>4</u> <u></u> |  | FED-EX / UPS: Tracking # |                |
| Date Time: <u>5</u>   |                                | Custody Seal # <u></u><br>Preserved where applicable   |         | On Ice <input type="checkbox"/><br>Cooler Temp. <input type="checkbox"/><br>Thermo. Corr. Factor <input type="checkbox"/>  |  |                          |                |

|               |   |   |   |  |  |  |  |  |  |  |  |
|---------------|---|---|---|--|--|--|--|--|--|--|--|
| No loss<br>be | 5 | 3 | 1 |  |  |  |  |  |  |  |  |
|---------------|---|---|---|--|--|--|--|--|--|--|--|

Notice: Signature of this document and relinquishment of samples constitutes or expenses incurred by the Client if such losses are due to circumstances reinforced unless previously negotiated under a fully executed client contract.



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Phoenix, Arizona (480-355-0900)

# CHAIN OF CUSTODY

Page 5 of 5

684907

Project Name/Number:

Project Location:

Phone No.:

Invoice To:

PO Number:

Xenco Quote #

Xenco Job #

Matrix Codes

W = Water

S = Soil/Sed/Solid

GW = Ground Water

DW = Drinking Water

P = Product

SW = Surface water

SL = Sludge

OW = Ocean/Sea Water

WI = Wipe

O = Oil

WW = Waste Water

A = Air

| Client / Reporting Information  |                                | Project Information   |                                 | Analytical Information |                            | Matrix Codes         |                 |
|---|--------------------------------|---|---------------------------------|------------------------|----------------------------|----------------------|-----------------|
| Company Name / Branch:<br><b>American Safety Services Inc.</b>  |                                | Project Name/Number:<br>Cimarex-Crawford 27 26 Fee 15H                        |                                 |                        |                            |                      |                 |
| Company Address:<br>8715 Andrews Hwy<br>Odessa, TX 79765  |                                | Project Location:<br>Eddy Co. NM  |                                 |                        |                            |                      |                 |
| Email:<br><a href="mailto:tfranklin@americansafety.net">tfranklin@americansafety.net</a>                |                                | Phone No.:<br>432-557-9868  |                                 |                        |                            |                      |                 |
| Project Contact:<br><b>Thomas Franklin</b>  |                                | Invoice To:<br><a href="mailto:tmontoya@cimarex.com">tmontoya@cimarex.com</a> |                                 |                        |                            |                      |                 |
| Sampler's Name:<br><b>H.guer</b>  |                                | PO Number:  |                                 |                        |                            |                      |                 |
| No.   | Field ID / Point of Collection | Collection  | Number of preserved bottles     |                        |                            |                      |                 |
|   | Sample Depth                   | Date  | Time                            | Matrix                 | # of bottles               | HCl                  | NaOH/Zn Acetate |
| 1   | S wall 23                      | 01/15/21  | 0850                            | S                      | 1                          | X                    | HNO3            |
| 2   | S wall 24                      | 01/15/21  | 0855                            | S                      | 1                          | X                    | H2SO4           |
| 3   | S wall 25                      | 01/15/21  | 0900                            | S                      | 1                          | X                    | NaOH            |
| 4   | S wall 26                      | 01/15/21  | 0905                            | S                      | 1                          | X                    | NaHSO4          |
| 5   | S wall 27                      | 01/15/21  | 0910                            | S                      | 1                          | X                    | MEOH            |
| 6   | S wall 28                      | 01/15/21  | 0915                            | S                      | 1                          | X                    | NONE            |
| 7   | S wall 29                      | 6 in  | 01/15/21                        | 0920                   | S                          | 1                    | X               |
| 8   | S wall 30                      | 6 in  | 01/15/21                        | 0925                   | S                          | 1                    | X               |
| 9   | S wall 31                      | 6 in  | 01/15/21                        | 0930                   | S                          | 1                    | X               |
| 10  |                                |   |                                 |                        |                            |                      |                 |
| Turnaround Time (Business days)   |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> Same Day TAT   |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> 5 Day TAT  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> Level II Std QC  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> Level IV (Full Data Pkg / raw data)  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> Next Day EMERGENCY   |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> 7 Day TAT  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> 2 Day EMERGENCY  |                                |   |                                 |                        |                            |                      |                 |
| <input checked="" type="checkbox"/> Contract TAT  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> 3 Day EMERGENCY  |                                |   |                                 |                        |                            |                      |                 |
| <input type="checkbox"/> TRRP Checklist   |                                |   |                                 |                        |                            |                      |                 |
| TAT Starts Day received by Lab, if received by 5:00 pm  |                                |   |                                 |                        |                            |                      |                 |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY |                                |   |                                 |                        |                            |                      |                 |
| Relinquished by:  |                                | Date Time:  | Received By:                    | Relinquished By:       | Date Time:                 | Received By:         | On Ice          |
| <b>U. que l De luna.</b>  |                                | 01/15/21 1350   | <i>Chloe J. Luna</i><br>1.15.21 | 2                      | 2                          |                      | Cooler Temp.    |
| Date Time:  |                                | Received By:  | Relinquished By:                | Date Time:             | Received By:               | Thermo. Corr. Factor | Spec. Desc.     |
| 3   |                                | 3   | 4                               | 4                      | 4                          |                      |                 |
| Relinquished by:  |                                | Date Time:  | Received By:                    | Custody Seal #         | Preserved where applicable | On Ice               | Cooler Temp.    |
| 5   |                                | 5   |                                 |                        |                            |                      |                 |

Received by OCD: 2/23/2021 8:24:23 AM

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

**Eurofins Xenco, LLC**  
**Prelogin/Nonconformance Report- Sample Log-In**

**Client:** American Safety Services

Acceptable Temperature Range: 0 - 6 degC

**Date/ Time Received:** 01.15.2021 01.52.00 PM

Air and Metal samples Acceptable Range: Ambient

**Work Order #:** 684907

Temperature Measuring device used : t\_nm\_007

| Sample Receipt Checklist                                | Comments                             |
|---|--------------------------------------|
| #1 *Temperature of cooler(s)?                           | 4.2                                  |
| #2 *Shipping container in good condition?               | Yes                                  |
| #3 *Samples received on ice?                            | Yes                                  |
| #4 *Custody Seals intact on shipping container/ cooler? | Yes                                  |
| #5 Custody Seals intact on sample bottles?              | Yes                                  |
| #6*Custody Seals Signed and dated?                      | Yes                                  |
| #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                                  |
|   | Samples received in bulk containers. |

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

Analyst:

PH Device/Lot#:

**Checklist completed by:***Cloe Clifton*

Cloe Clifton

Date: 01.15.2021

**Checklist reviewed by:***Jessica Kramer*

Jessica Kramer

Date: 01.18.2021

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 18555

**CONDITIONS OF APPROVAL**

|  |  |                  |                         |                       |
|--|--|------------------|-------------------------|-----------------------|
| Operator:<br>CIMAREX ENERGY CO.<br>Suite 600 | 600 N. Marienfeld Street<br>Midland, TX79701 | OGRID:<br>215099 | Action Number:<br>18555 | Action Type:<br>C-141 |
|--|--|------------------|-------------------------|-----------------------|

|                          |                   |
|--------------------------|-------------------|
| OCD Reviewer<br>chensley | Condition<br>None |
|--------------------------|-------------------|