

Incident ID	NAPP2109549534
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: Chet Stuart Title: Manager- EHS, Operations Support, & Production
Signature: Chet Stuart Date: 4/19/22
email: cstuart@contango.com Telephone: 432-302-0538

OCD Only

Received by: Robert Hamlet Date: 4/19/2022

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: Robert Hamlet Date: 4/19/2022
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



CLOSURE REPORT

Property:

**Contango Oil & Gas Co.
Welch RL State 18
Eddy, New Mexico
Unit Letter "D", Section 28, Township 17 South, Range 28 East
Latitude 32.811401, Longitude -104.188161
30-015040084, nAPP2109549534**

November 2021

Prepared for:

**Contango Resources, Inc.
717 Texas Ave., Suite 290
Houston, Texas 77002**

Attn: Mr. Chet Stuart

Prepared by:

Don Payne
Environmental Project Manager

Jack Zimmerman, PG, CPG
Senior Geologist

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CLOSURE REPORT

**Contango Resources, Inc.
Welch RL State 18
Eddy, New Mexico
Unit Letter “D”, Section 28, Township 17 South, Range 28 East
Latitude 32.811401, Longitude -104.188161
30-015040084, nAPP2109549534
November 2021**

1.0 INTRODUCTION

1.1 Site Description & Background

American Safety Services Inc. (ASSI) has prepared this Closure Report for Contango Resources Inc. (Contango) at the Welch RL State 18 (referred to hereinafter as the “Site” or “subject Site”). This Closure Report is based upon data collected by ASSI on April 28, 2021 and the interpretation of that data.

The Site is located in Unit Letter “D”, Section 28, Township 17 South, Range 28 East, Eddy County, New Mexico (GPS 32.811401, -104.188191). Figures 1, 2, 3, and 4 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 19.15.29).

1.2 Project Objective

The objective of the Closure Report is to present documentation of the activities that were performed at this 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 Contango, 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 Contango and ASSI. Any unauthorized distribution or reuse is at the sole risk of Contango. 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 greater than fifty-one feet but less than one hundred feet at the Site. For details refer to Groundwater in Appendix F,
- The impacted area is more than 1,000 feet (ft) from a water source, and
- Distance to the nearest surface water body is greater than 1,000 ft.

Cleanup goals for soils remaining in place include: 600 mg/Kg for Chloride, 1,000 mg/Kg Gasoline Range Organics and Diesel Range Organics (GRO and DRO), 2,500 mg/Kg for Total Petroleum Hydrocarbons (TPH), 10 milligrams per kilogram (mg/Kg) for Benzene, and 50 mg/Kg for Total Benzene, Toluene, Ethylbenzene, and Xylene (BTEX).

Figure 5 shows the location of the Site in Eddy Co, New Mexico and surrounding topography.

3.0 INITIAL RESPONSE & SAMPLING ACTIVITIES

3.1 Initial Response

On March 31, 2021 ASSI personnel performed a site inspection in response to a release of fifteen (15) barrels (bbls) of frac fluids (30-015040084, nAPP2109549534) of which ten (10) bbls were recovered. The cause of the release was due to overpressure on the well during hydraulic fracturing (i.e., frac) activities from an adjacent Spur location which in turn allowed the release to occur directly onto the ground. ASSI determined the release footprint to be approximately ten thousand one hundred and ninety-two (10,192) square feet of adjacent pasture.

3.2 Soil Sampling Activities

Initial sampling activities were conducted on April 5, 2021 by ASSI personnel, using a stainless-steel hand auger to determine the vertical extent of the frac fluids impact throughout the release footprint. Thirty-four (34) samples were collected from seventeen (17) sample locations at discrete intervals within the release footprint to a depth of one (1) foot below ground surface (bgs). Table 1 in Appendix B presents analytical results. Figure 3 in Appendix A shows sampling locations inside the release footprint during the April 5th sampling event.

3.3 Soil Sampling Analytical Results

Thirty-four (34) samples were collected from seventeen (17) sample locations on April 5th. Collected samples were delivered by ASSI personnel to Eurofins Xenco laboratory for analysis on April 6th. The samples were analyzed for Chloride only (Table 1). Analytical results were compared to *Table I of the NMAC 19.15.29.12* and show Chloride concentrations are below the NMOCD guidelines for clean-up goals at all sample locations.

Based upon the data collected during the April 5th sampling event and review of the analytical results, the constituent of concern (COCs) was both vertically and horizontally delineated.

4.0 SURFACE ACTIVITIES

At the request of Contango, ASSI performed a surface remediation to address surface staining throughout the release footprint utilizing mechanical (i.e., Skid-steer) means. Following remediation activities, the Site was surface contoured to existing conditions.

5.0 CONFIRMATION SAMPLING ACTIVITIES

5.1 Soil Sampling Activities

Confirmation sampling activities were completed on April 28th by ASSI personnel, using a stainless-steel hand auger. As required by NMOCD remedial guidelines, a sampling grid was designed covering the release footprint comprised of fifty (50) individual 10' X 20' cells equaling 200 sq. ft. each. A total of fifty (50) samples were collected, one from each cell, from sample locations Confirmation Sample 1 thru Confirmation Sample 50. Table 1 in Appendix B presents analytical results. Figure 4 in Appendix A shows sample locations for the sampling event.

5.2 Soil Sampling Analytical Results

Fifty (50) samples were collected, one (1) each from the individual 200 sq. ft. cells, from surface to one-half (0.5) foot bgs. Collected samples were delivered by ASSI personnel to Eurofins Xenco laboratory for analysis on April 29th. The samples were analyzed for Chloride, TPH, and BTEX (Table 1). Analytical results were compared to *Table I of the NMAC 19.15.29.12* and show that Chloride, TPH, and BTEX concentrations are below the NMOCD guidelines for clean-up goals at all sample locations except Confirmation Sample 2, Confirmation Sample 3, Confirmation Sample 11 and Confirmation Sample 40 which exceeded TPH concentrations at 568 mg/Kg, 320 mg/Kg, 121 mg/Kg and 139 mg/Kg, respectively.

5.3 Confirmation Sampling Activities

Confirmation sampling activities were completed on November 17th by ASSI personnel, using a stainless-steel hand auger. A total of eight (8) samples were collected two from each sample locations Confirmation Sample 2, Confirmation Sample 3, Confirmation

Sample 11 and Confirmation Sample 40. Analytical results were compared to *Table I of the NMAC 19.15.29.12* and show that TPH concentrations are below the NMOCD guidelines for clean-up goals at all sample locations.

Based upon the data collected during the April 28th and November 17th sampling event with review of the analytical results, the COCs were both vertically and horizontally delineated.

6.0 LABORATORY ANALYTICAL METHODS

Confirmation samples were analyzed for Chloride utilizing EPA method 300, TPH utilizing EPA method SW8015 Mod, and BTEX using EPA method EPA 8021B. 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.

Figure 3 and Figure 4 in Appendix A indicates the approximate location of the sample locations installed within the release footprint in relation to pertinent land features.

7.0 Closure Request

Based upon the data collected and the Site work completed by ASSI, COCs have been both vertically and horizontally delineated.

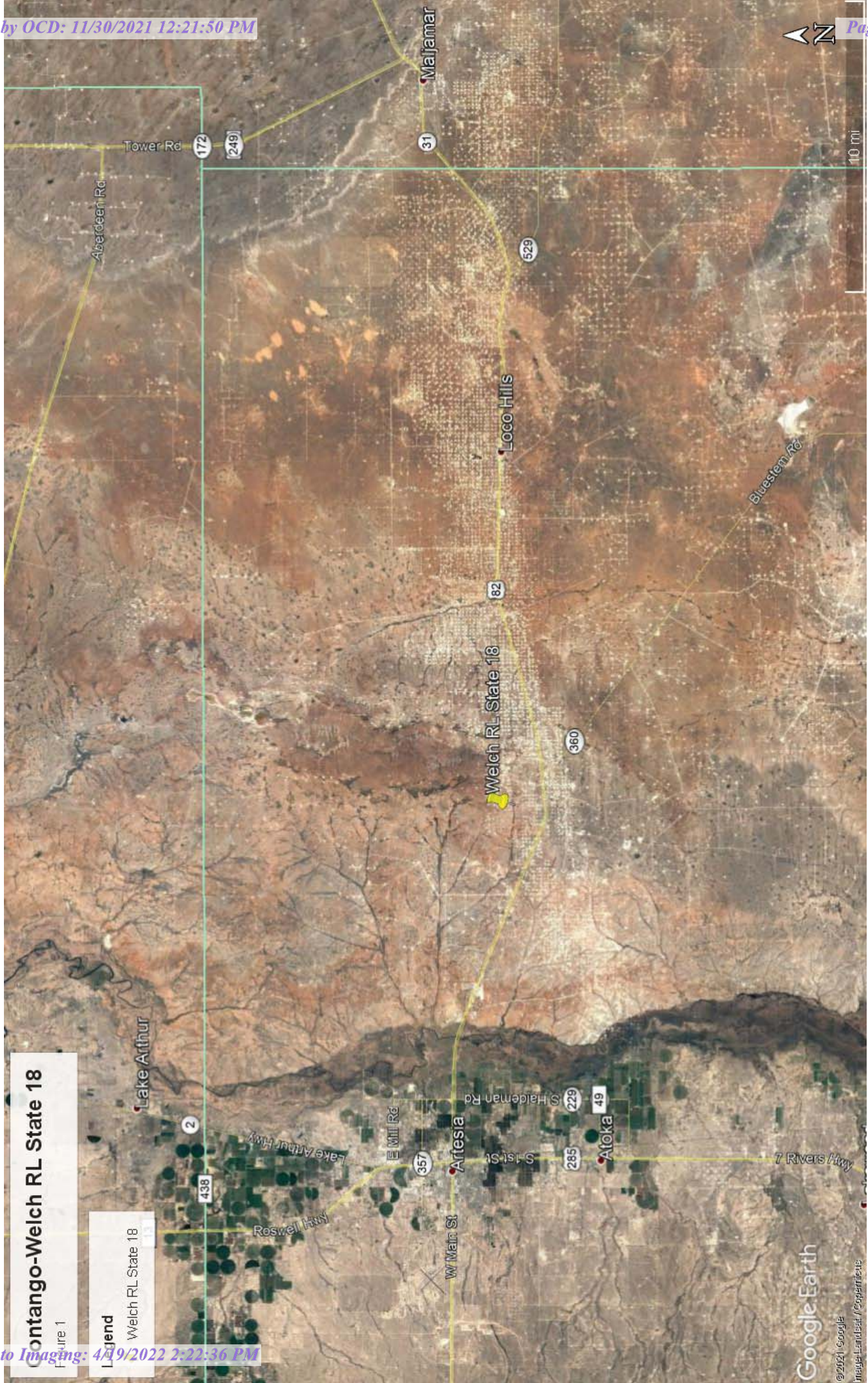
Based on the success of the response actions which are affirmed by certified laboratory analytical results, no additional remediation is necessary at this time. Copies of the Initial and Final C-141 are provided in Appendix E.

ASSI, on behalf of Contango, respectfully requests closure of the Site.



APPENDIX A

Figures



Contango-Welch RL State 18

Figure 1

Legend

Welch RL State 18



Contango-Welch RL State 18

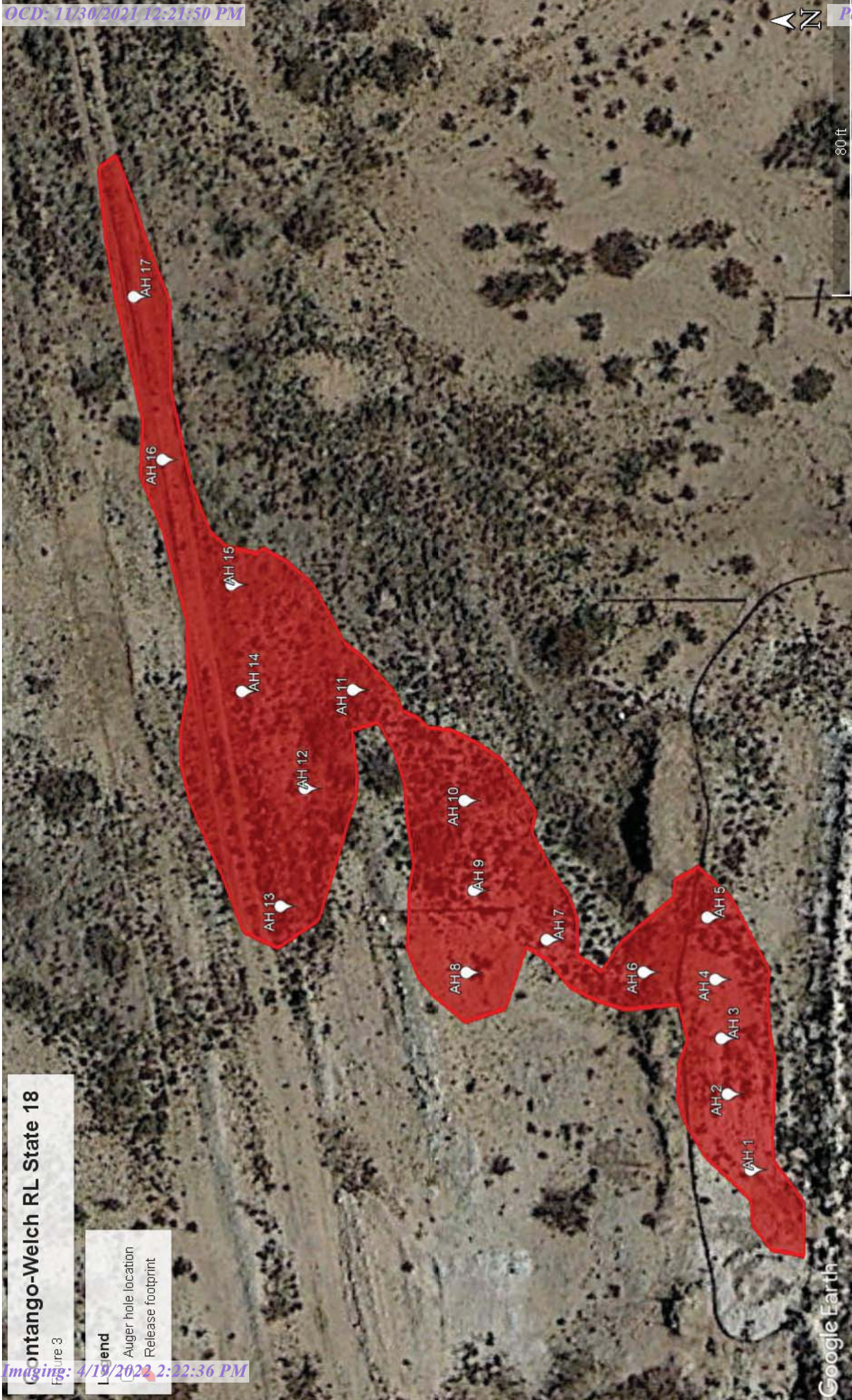
Figure 2

Legend

Welch RL State 18

Google Earth

© 2021 Google



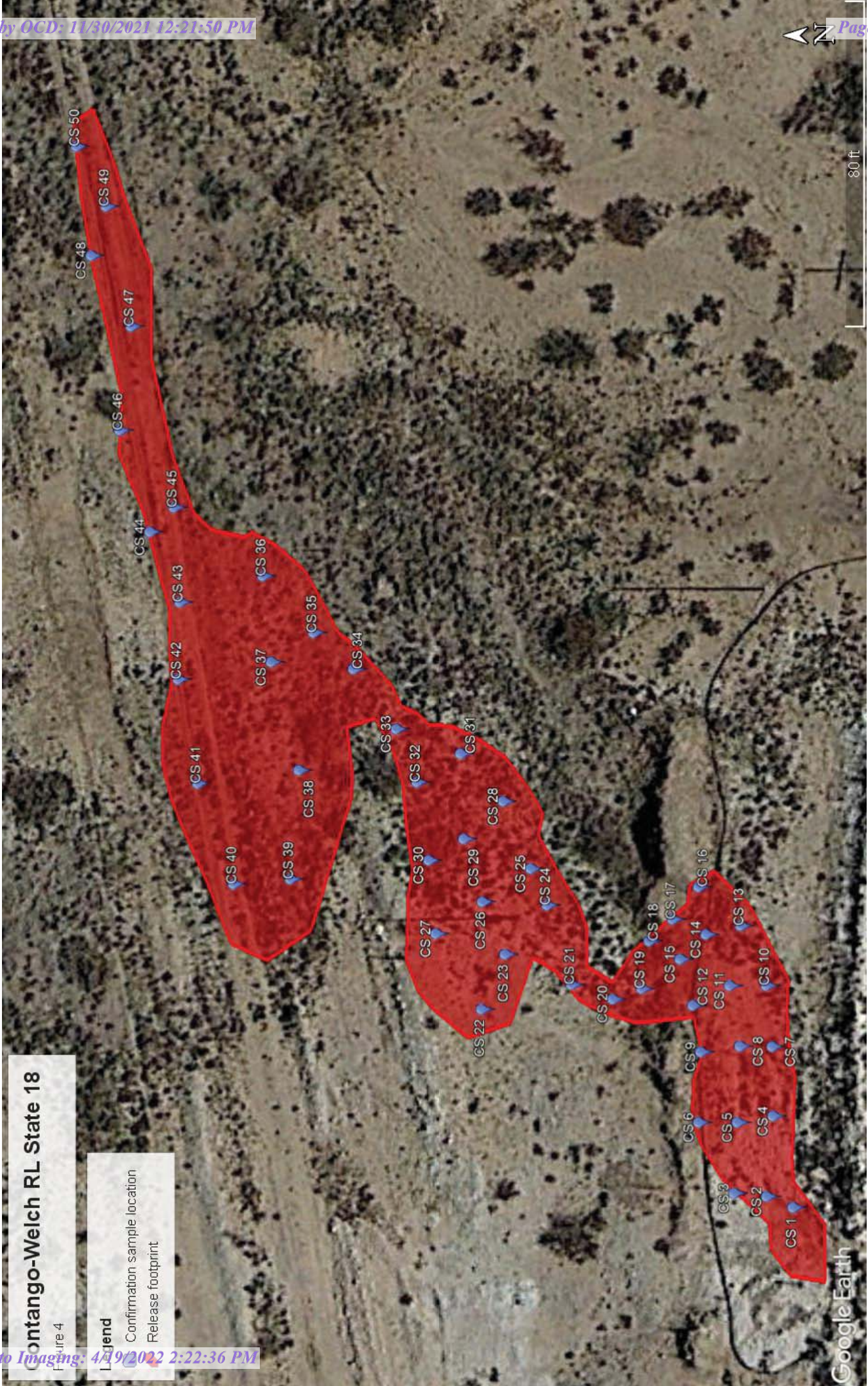
Contango-Welch RL State 18

Figure 3

Legend

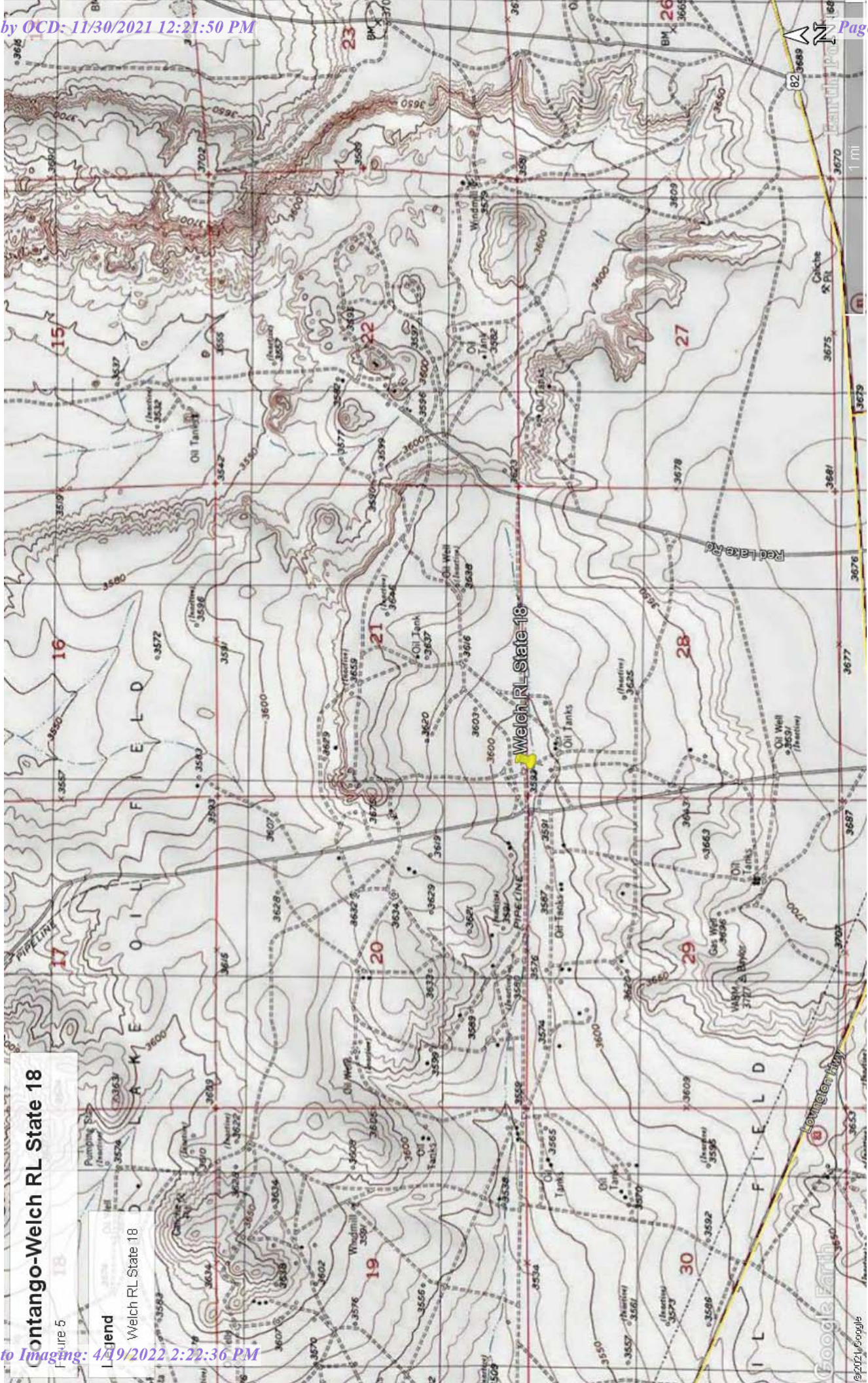
Auger hole location

Release footprint



Contango-Welch RL State 18
Figure 4

Legend
Confirmation sample location
Release footprint



Contango-Welch RL State 18

Figure 5

Legend

Welch RL State 18



APPENDIX B

Table 1

TABLE 1 Summary of Initial and Confirmation Sampling Analytical Results Contents Oil & Gas Co. Welch RL State 16 Edley County, New Mexico															
Sample Location	Sample Date	Sample Depth (feet)	Soil Status	EPA 300	8015M				8021B						
				Chloride (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Oil Range Organics (MRO) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m,p-Xylenes (mg/kg)	o-Xylene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
NMCA 19.15.29				600	NE		NE	100	10	NE					50
Auger Hole 1	4/5/2021	0-0.5'	In-situ	90.3	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 1	4/28/2021	0-0.5'	In-situ	114	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Confirmation Sample 2	4/28/2021	0-0.5'	In-situ	99.4	<49.9	398	170	568	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
Confirmation Sample 2	11/17/2021	0-0.5'	In-situ	—	<49.8	<49.8	<49.8	<49.8	—	—	—	—	—	—	—
Confirmation Sample 2	11/17/2021	0.5'-1'	In-situ	—	<50.0	<50.0	<50.0	<50.0	—	—	—	—	—	—	—
Confirmation Sample 3	4/28/2021	0-0.5'	In-situ	61.1	<49.8	221	98.7	320	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397
Confirmation Sample 3	11/17/2021	0-0.5'	In-situ	—	<49.9	62.6	<49.9	62.6	—	—	—	—	—	—	—
Confirmation Sample 3	11/17/2021	0.5'-1'	In-situ	—	<50.0	<50.0	<50.0	<50.0	—	—	—	—	—	—	—
Auger Hole 1	4/5/2021	0.5'-1'	In-situ	46.2	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 2	4/5/2021	0-0.5'	In-situ	108	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 4	4/28/2021	0-0.5'	In-situ	103	<49.9	84	<49.9	84	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397
Confirmation Sample 5	4/28/2021	0-0.5'	In-situ	51.9	<50	<50	<50	52.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Confirmation Sample 6	4/28/2021	0-0.5'	In-situ	24.7	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Auger Hole 2	4/5/2021	0.5'-1'	In-situ	109	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 3	4/5/2021	0-0.5'	In-situ	88.9	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 7	4/28/2021	0-0.5'	In-situ	36.4	<50	87.6	<50	87.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
Confirmation Sample 8	4/28/2021	0-0.5'	In-situ	124	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403
Confirmation Sample 9	4/28/2021	0-0.5'	In-situ	83.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Auger Hole 3	4/5/2021	0.5'-1'	In-situ	82.3	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 4	4/5/2021	0-0.5'	In-situ	69.1	<50	<50	<50	<50	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Confirmation Sample 10	4/28/2021	0-0.5'	In-situ	404	<50	<50	<50	<50	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Confirmation Sample 11	4/28/2021	0-0.5'	In-situ	366	<50	121	<50	121	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Confirmation Sample 11	11/17/2021	0-0.5'	In-situ	—	<50.0	<50.0	<50.0	<50.0	—	—	—	—	—	—	—
Confirmation Sample 11	11/17/2021	0.5'-1'	In-situ	—	<49.9	<49.9	<49.9	<49.9	—	—	—	—	—	—	—
Confirmation Sample 12	4/28/2021	0-0.5'	In-situ	77.1	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Auger Hole 4	4/5/2021	0.5'-1'	In-situ	85.2	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 5	4/5/2021	0-0.5'	In-situ	59.4	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 13	4/28/2021	0-0.5'	In-situ	227	<50	<50	<50	<50	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397
Confirmation Sample 14	4/28/2021	0-0.5'	In-situ	87.9	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397
Confirmation Sample 15	4/28/2021	0-0.5'	In-situ	103	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
Confirmation Sample 16	4/28/2021	0-0.5'	In-situ	416	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Auger Hole 5	4/5/2021	0.5'-1'	In-situ	72.6	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 6	4/5/2021	0-0.5'	In-situ	31.3	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 17	4/28/2021	0-0.5'	In-situ	39.1	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404
Confirmation Sample 18	4/28/2021	0-0.5'	In-situ	23.9	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Confirmation Sample 19	4/28/2021	0-0.5'	In-situ	101	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401
Auger Hole 6	4/5/2021	0.5'-1'	In-situ	44.9	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 7	4/5/2021	0-0.5'	In-situ	51.3	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 20	4/28/2021	0-0.5'	In-situ	40.2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Confirmation Sample 21	4/28/2021	0-0.5'	In-situ	34.7	<49.9	<49.9	<49.9	<49.9	0.0566	0.0107	0.0775	0.0337	<0.00198	0.0337	0.179
Auger Hole 7	4/5/2021	0.5'-1'	In-situ	68.4	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 8	4/5/2021	0-0.5'	In-situ	37.9	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 22	4/28/2021	0-0.5'	In-situ	282	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Confirmation Sample 23	4/28/2021	0-0.5'	In-situ	48.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Confirmation Sample 24	4/28/2021	0-0.5'	In-situ	32	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396
Auger Hole 8	4/5/2021	0.5'-1'	In-situ	50.5	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 9	4/5/2021	0-0.5'	In-situ	62.7	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 25	4/28/2021	0-0.5'	In-situ	43.2	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404
Confirmation Sample 26	4/28/2021	0-0.5'	In-situ	58.5	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401
Confirmation Sample 27	4/28/2021	0-0.5'	In-situ	76	<50	<50	<50	<50	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Auger Hole 9	4/5/2021	0.5'-1'	In-situ	67.1	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 10	4/5/2021	0-0.5'	In-situ	59.6	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 28	4/28/2021	0-0.5'	In-situ	35.2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401
Confirmation Sample 29	4/28/2021	0-0.5'	In-situ	28.6	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Confirmation Sample 30	4/28/2021	0-0.5'	In-situ	52	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Confirmation Sample 31	4/28/2021	0-0.5'	In-situ	49.2	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Confirmation Sample 32	4/28/2021	0-0.5'	In-situ	44.1	<50	<50	<50	<50	<0.00378	<0.00199	0.0071	<0.00398	<0.00199	<0.00398	0.0109
Auger Hole 10	4/5/2021	0.5'-1'	In-situ	45.9	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 11	4/5/2021	0-0.5'	In-situ	46.2	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 33	4/28/2021	0-0.5'	In-situ	37.7	<50	<50	<50	<50	<0.00198	<0.00198	0.00436	<0.00396	<0.00198	<0.00396	0.00436
Confirmation Sample 34	4/28/2021	0-0.5'	In-situ	145	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400
Confirmation Sample 35	4/28/2021	0-0.5'	In-situ	80	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398
Auger Hole 11	4/5/2021	0.5'-1'	In-situ	45.7	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 12	4/5/2021	0-0.5'	In-situ	47.5	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 36	4/28/2021	0-0.5'	In-situ	47.5	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403
Confirmation Sample 37	4/28/2021	0-0.5'	In-situ	17.6	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Confirmation Sample 38	4/28/2021	0-0.5'	In-situ	39.5	<50	<50	<50	<50	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402
Auger Hole 12	4/5/2021	0.5'-1'	In-situ	49	—	—	—	—	—	—	—	—	—	—	—
Auger Hole 13	4/5/2021	0-0.5'	In-situ	6.91	—	—	—	—	—	—	—	—	—	—	—
Confirmation Sample 39	4/28/2021	0-0.5'	In-situ	20.4	<49.9	<49.9	<49.9	<49.9	0.0219	<0.00200	<0.00200	0.00448	<0.00200	0.0048	0.0264
Confirmation Sample 40	4/28/2021	0-0.5'	In-situ	23.8	<50	139	<50	139	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403
Confirmation Sample 40	11/17/2021	0-0.5'	In-situ	—	<49.9	<49.9	<49.9	<49.9	—	—	—	—	—	—	—
Confirmation Sample 41	11/17/2021	0.5'-1'	In-situ	—	<49.8	<49.8	<49.8	<49.8	—	—	—	—	—	—	—
Confirmation Sample 41	4/28/2021	0-0.5'	In-situ	142	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399
Auger Hole 13	4/5/2021	0.5'-1'	In-situ	7.6	—	—	—	—							

mg/Kg - milligrams per Kilogram
BTEx - Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed by EPA method 8021B
NE - not established
— = not determined
In-situ - sample collected in-place
Total TDS reported values are rounded-off to 2-significant figures using the UMC Odd/Even Rounding Rule which is a laboratory accepted standard



APPENDIX C

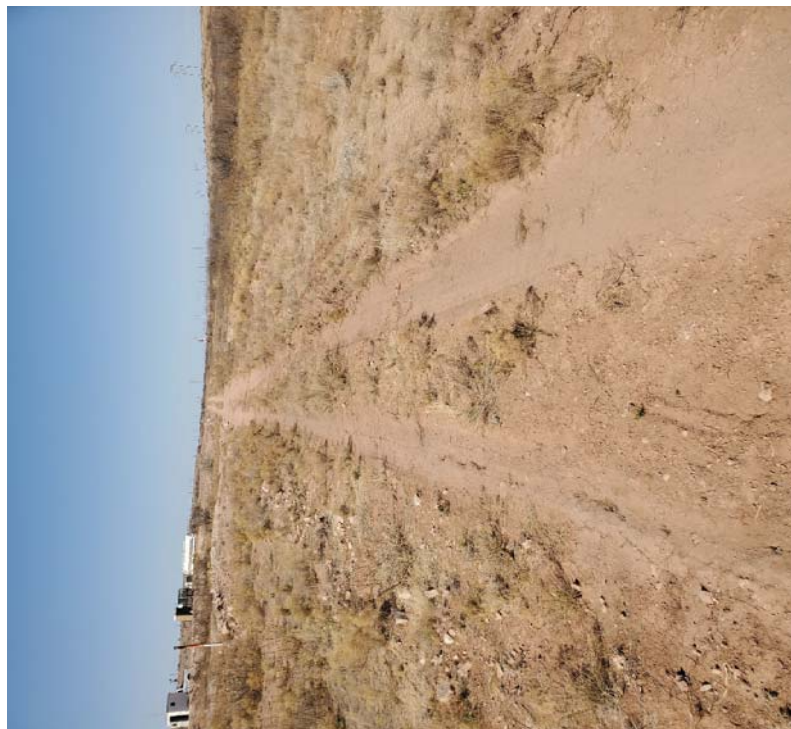
Photo Page



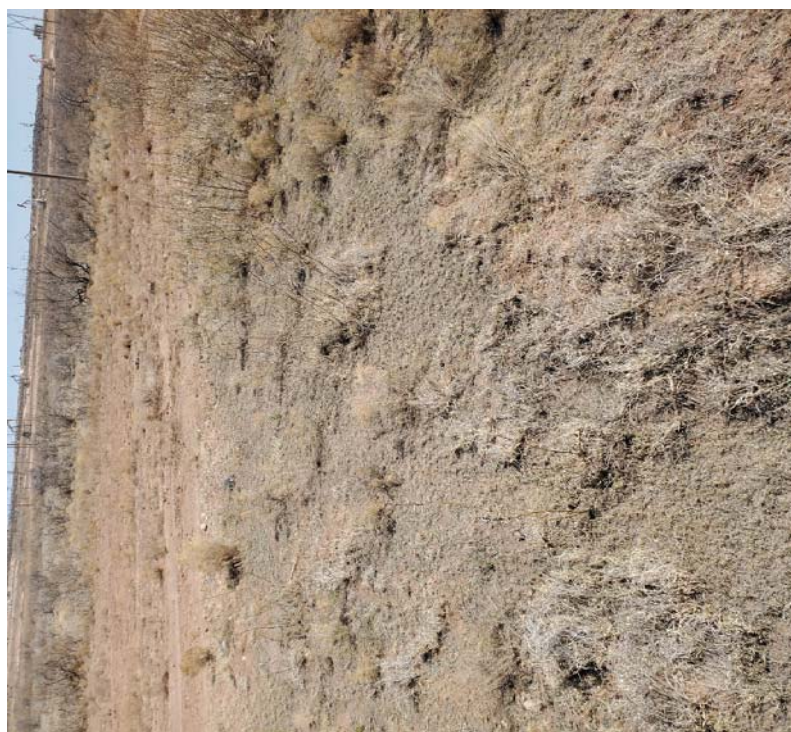
View Northeast – A portion of the spill flow path (gray color surface staining) within the release footprint.



View North – Origin of spill. Release caused by overpressure on the well during a frac from an adjacent Spur location. Note a portion of the spill flow path (gray color surface staining) within the release footprint.



View West – A portion of the spill flow path (gray color surface staining) within the release footprint.



View Northeast – A portion of the spill flow path (gray color surface staining) within the release footprint.





View West – Sample locations Auger Hole 2, Auger Hole 3, and Auger Hole 4 (flagged). Blue arrows identify pin flags.



View West – Sample location Auger Hole 1 (flagged). Blue arrow identifies pin flag.





View South – Sample locations Auger Hole 5 and Auger Hole 6 (flagged). Blue arrows identify pin flags.



View Southwest – Sample location Auger Hole 7 (flagged). Blue arrow identifies pin flag.



View Northeast – Sample locations Auger Hole 8, Auger Hole 9, and Auger Hole 10 (flagged). Blue arrows identify pin flags.



View Northwest – Sample locations Auger Hole 11 and Auger Hole 12 (flagged). Blue arrows identify pin flags.



View East – Sample location Auger Hole 14 (flagged). Blue arrow identifies pin flag.



View West – Sample location Auger Hole 13 (flagged). Blue arrow identifies pin flag.



View East – Sample location Auger Hole 15 (flagged). Blue arrow identifies pin flag.



View East – Sample location Auger Hole 16 (flagged). Blue arrow identifies pin flag.



View North – Remediation activities (back dragging) ongoing.



View East – Sample location Auger Hole 17 (flagged). Blue arrow identifies pin flag.





View West – Remediation activities (back dragging) completed.



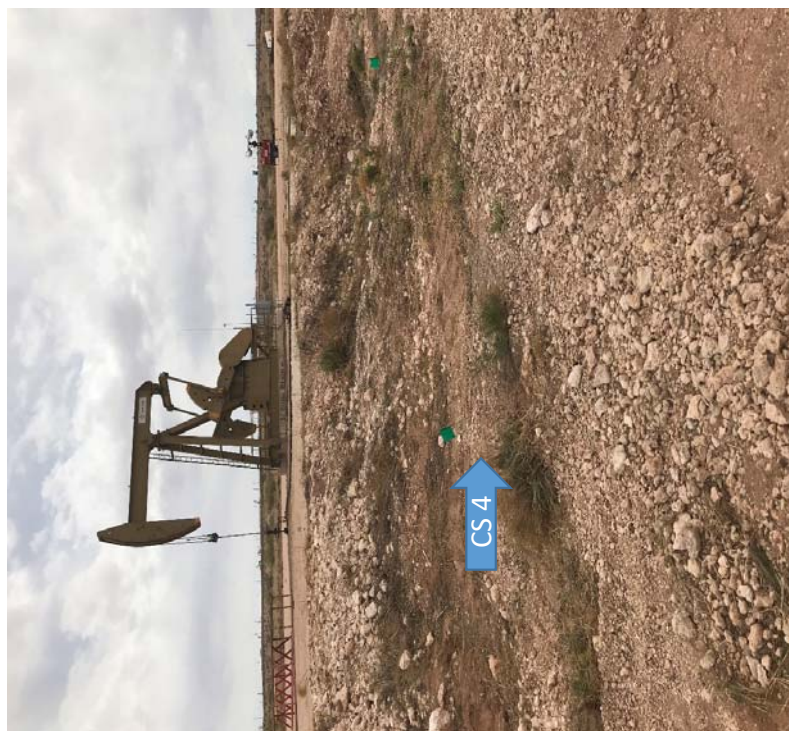
View Southwest – Remediation activities (back dragging) completed.



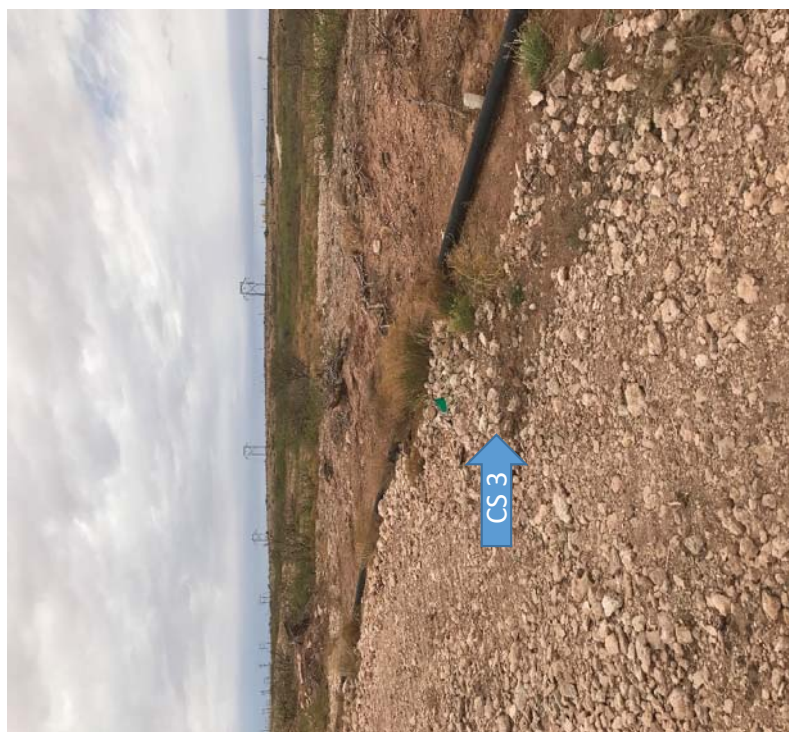
View Southwest – Sample location Confirmation
Sample 1 (flagged). Blue arrow identifies pin
flag.



View West – Sample location Confirmation
Sample 2 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 4 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 3 (flagged). Blue arrow identifies pin
flag.





View East – Sample location Confirmation
Sample 5 (flagged). Blue arrow identifies pin
flag.



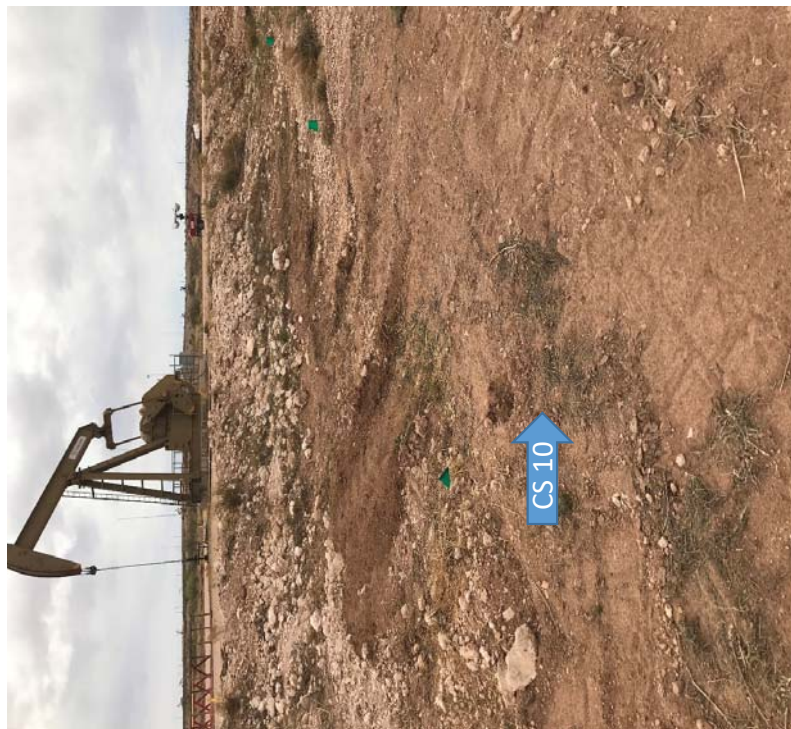
View East – Sample location Confirmation
Sample 6 (flagged). Blue arrow identifies pin
flag.



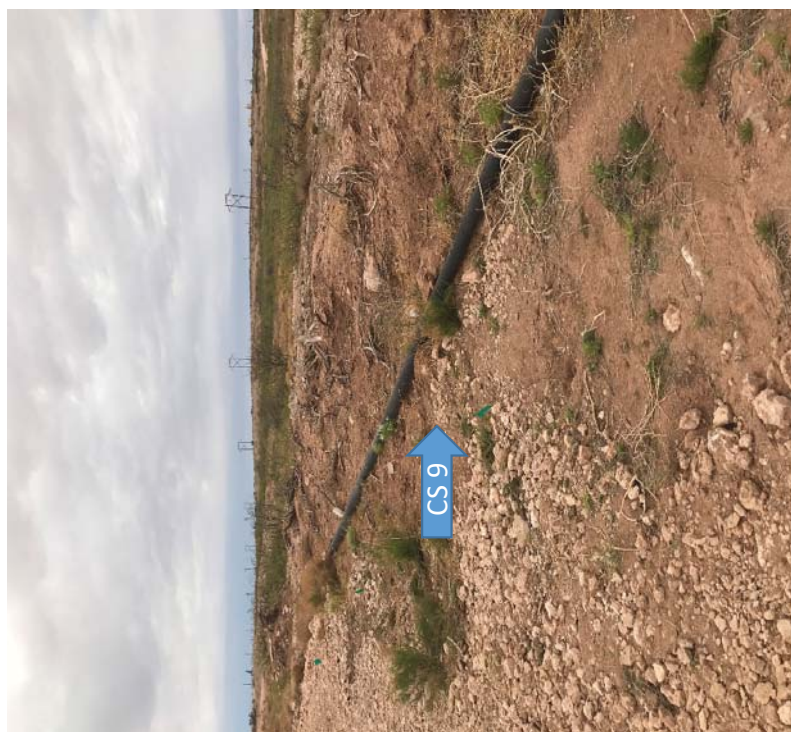
View East – Sample location Confirmation
Sample 7 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 8 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 10 (flagged). Blue arrows identify pin
flag.



View East – Sample location Confirmation
Sample 9 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 11 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 12 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 14 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 13 (flagged). Blue arrow identifies pin
flag.

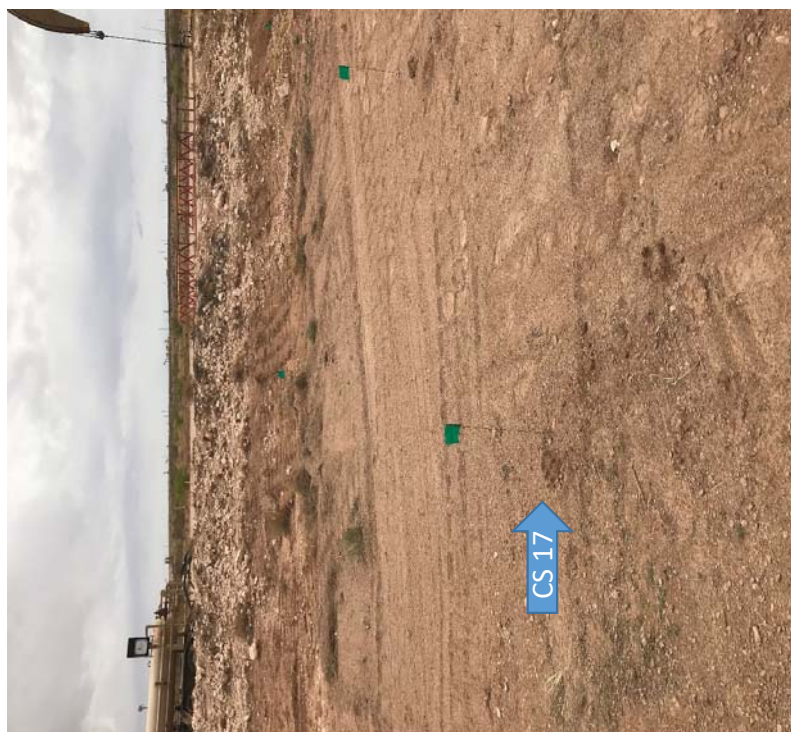




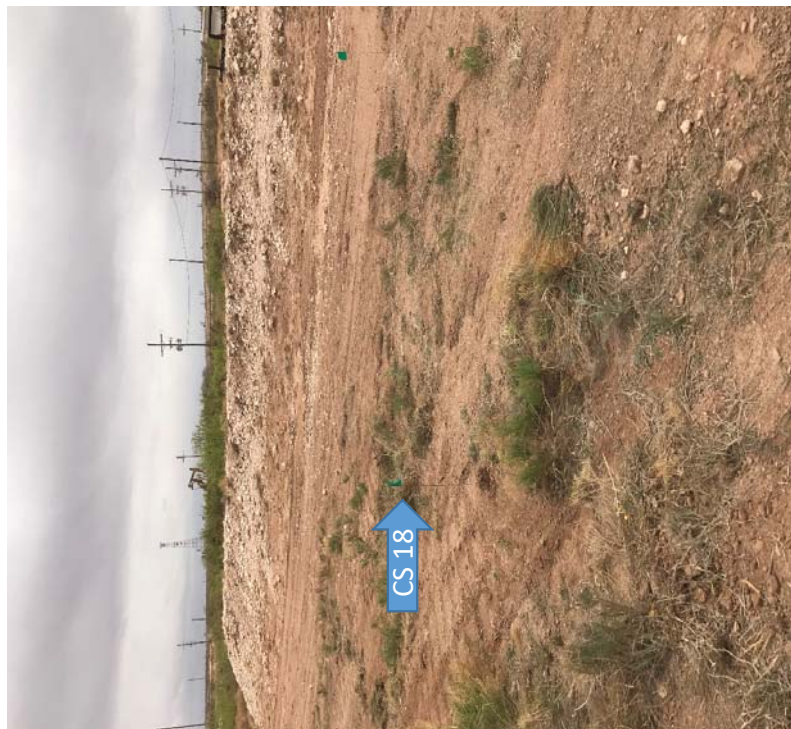
View East – Sample location Confirmation
Sample 16 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 15 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 17 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 18 (flagged). Blue arrow identifies pin
flag.

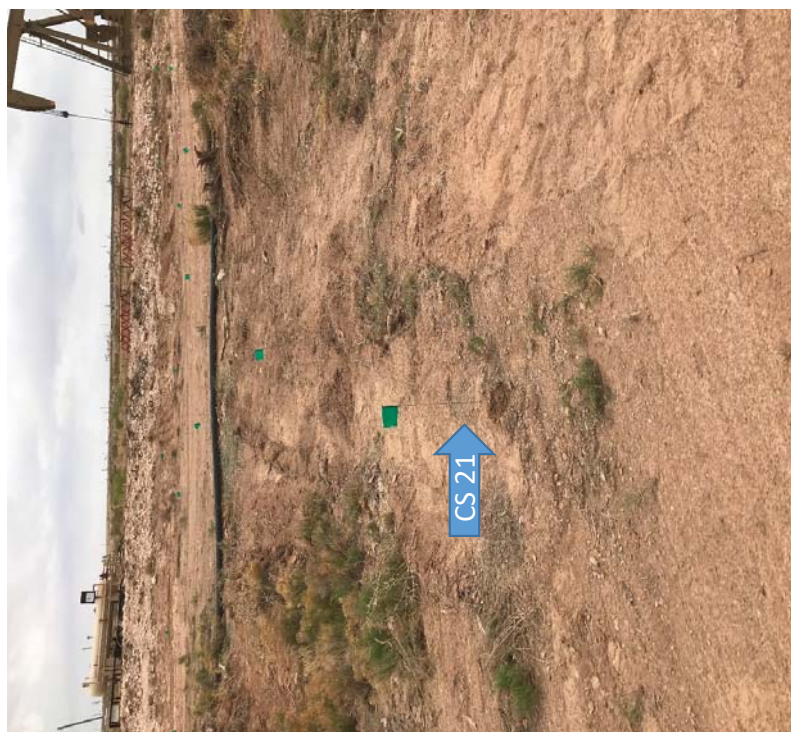


View East – Sample location Confirmation
Sample 20 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 19 (flagged). Blue arrow identifies pin
flag.

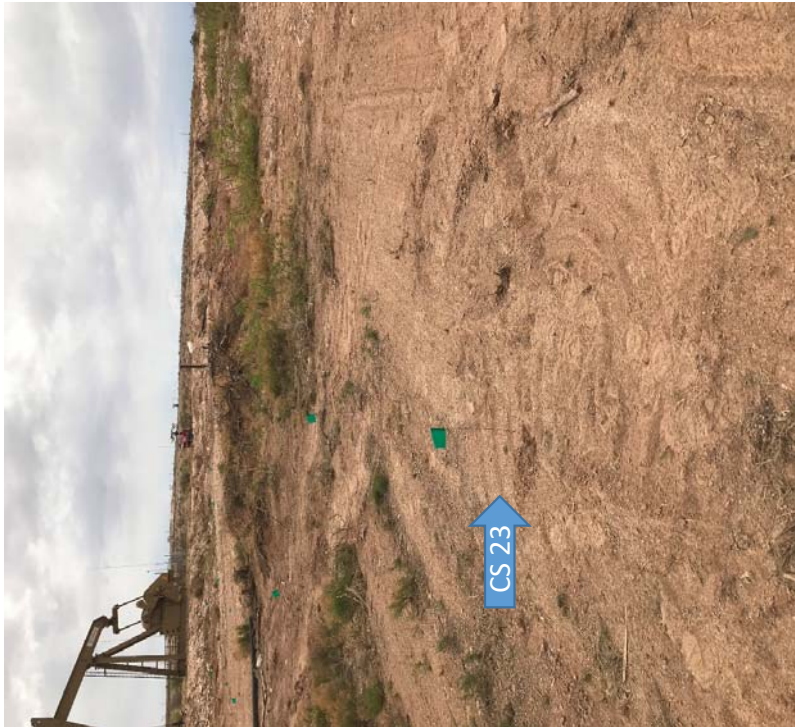




View East – Sample location Confirmation
Sample 21 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 22 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 23 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 24 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 25 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 26 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 27 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 28 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 29 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 30 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 31 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 32 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 33 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 34 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 35 (flagged). Blue arrow identifies pin
flag.



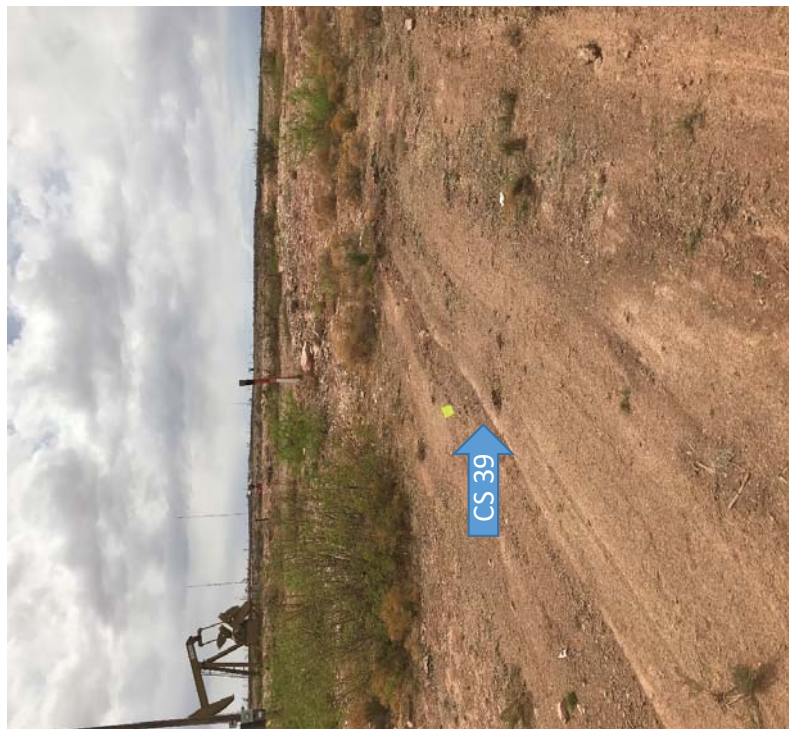
View East – Sample location Confirmation
Sample 36 (flagged). Blue arrow identifies pin
flag.



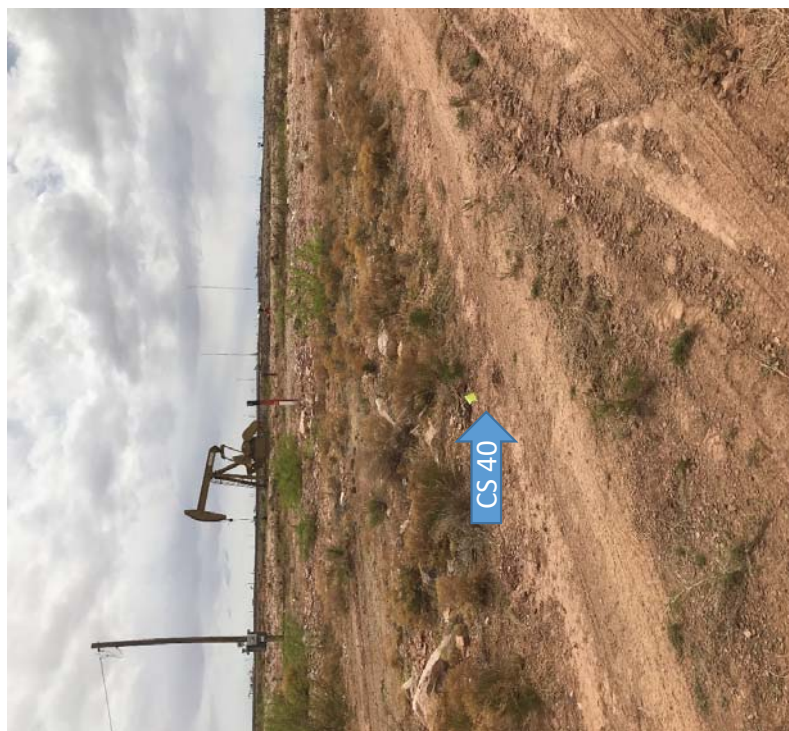
View East – Sample location Confirmation
Sample 37 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 38 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 39 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 40 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 42 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 41 (flagged). Blue arrow identifies pin
flag.



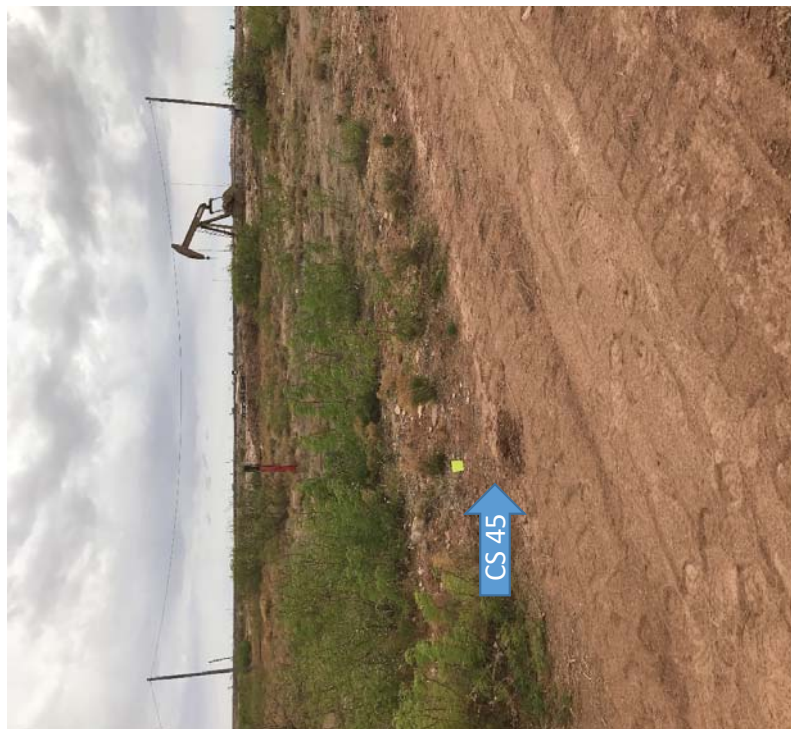


View East – Sample location Confirmation
Sample 44 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 43 (flagged). Blue arrow identifies pin
flag.





View East – Sample location Confirmation
Sample 45 (flagged). Blue arrow identifies pin
flag.



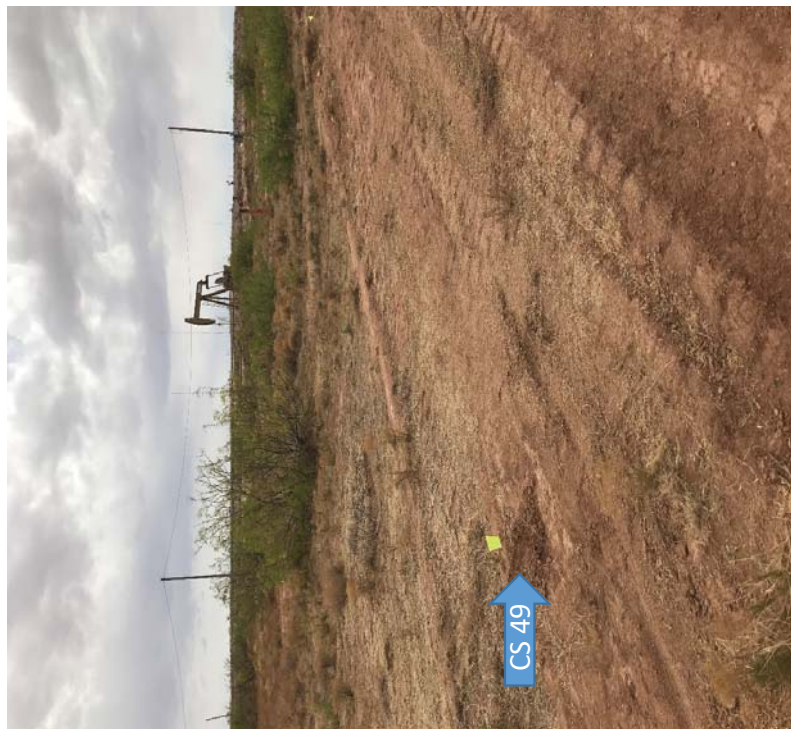
View East – Sample location Confirmation
Sample 46 (flagged). Blue arrow identifies pin
flag.



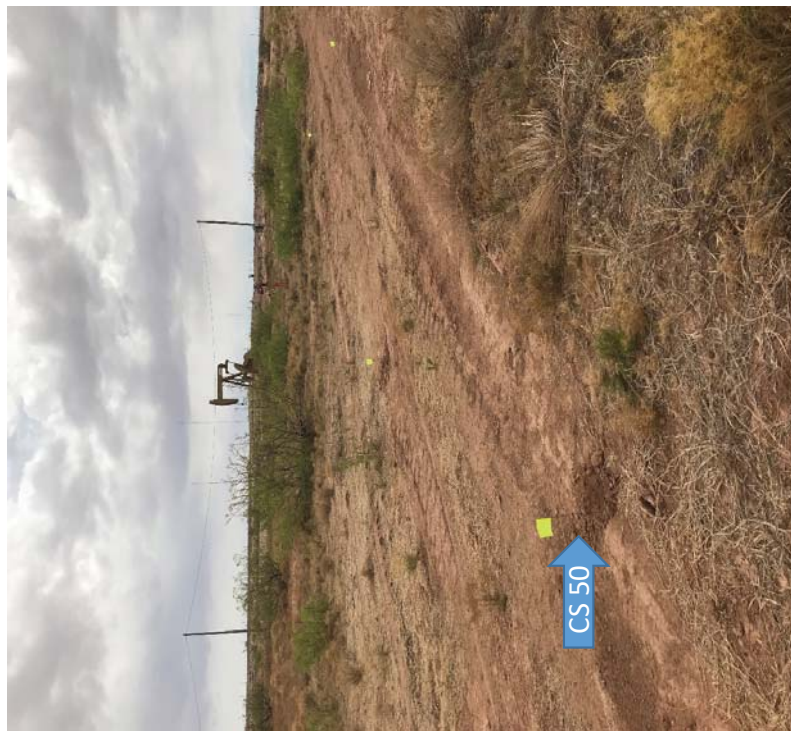
View East – Sample location Confirmation
Sample 48 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 47 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 49 (flagged). Blue arrow identifies pin
flag.



View East – Sample location Confirmation
Sample 50 (flagged). Blue arrow identifies pin
flag.



APPENDIX D

Laboratory Analysis



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1037-1

Laboratory Sample Delivery Group: Eddy Co., NM
Client Project/Site: Contango-Welch RL State 18

For:

American Safety Services Inc.
8715 Andrews Hwy
Odessa, Texas 79765

Attn: Thomas Franklin

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/19/2021 11:13:20 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Laboratory Job ID: 880-1037-1
SDG: Eddy Co.,NM

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Definitions/Glossary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Job ID: 880-1037-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-1037-1

Receipt

The samples were received on 4/6/2021 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-1037-1

Date Collected: 04/05/21 10:00

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.3		4.95		mg/Kg			04/13/21 12:01	1

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-1037-2

Date Collected: 04/05/21 10:05

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.04		mg/Kg			04/13/21 12:07	1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-1037-3

Date Collected: 04/05/21 10:10

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.02		mg/Kg			04/13/21 12:12	1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-1037-4

Date Collected: 04/05/21 10:15

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.03		mg/Kg			04/13/21 12:18	1

Client Sample ID: Auger Hole 3

Lab Sample ID: 880-1037-5

Date Collected: 04/05/21 10:20

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.9		5.05		mg/Kg			04/13/21 12:23	1

Client Sample ID: Auger Hole 3

Lab Sample ID: 880-1037-6

Date Collected: 04/05/21 10:25

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.3		5.00		mg/Kg			04/13/21 12:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 4

Lab Sample ID: 880-1037-7

Date Collected: 04/05/21 10:30

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.1		5.00		mg/Kg			04/13/21 07:04	1

Client Sample ID: Auger Hole 4

Lab Sample ID: 880-1037-8

Date Collected: 04/05/21 10:35

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.2		5.03		mg/Kg			04/16/21 10:28	1

Client Sample ID: Auger Hole 5

Lab Sample ID: 880-1037-9

Date Collected: 04/05/21 10:40

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.4		5.05		mg/Kg			04/16/21 10:44	1

Client Sample ID: Auger Hole 5

Lab Sample ID: 880-1037-10

Date Collected: 04/05/21 10:45

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.6		5.02		mg/Kg			04/16/21 10:49	1

Client Sample ID: Auger Hole 6

Lab Sample ID: 880-1037-11

Date Collected: 04/05/21 10:50

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		4.97		mg/Kg			04/16/21 10:54	1

Client Sample ID: Auger Hole 6

Lab Sample ID: 880-1037-12

Date Collected: 04/05/21 10:55

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		4.97		mg/Kg			04/16/21 08:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co., NM

Client Sample ID: Auger Hole 7

Lab Sample ID: 880-1037-13

Date Collected: 04/05/21 11:00

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		4.99		mg/Kg			04/16/21 08:41	1

Client Sample ID: Auger Hole 7

Lab Sample ID: 880-1037-14

Date Collected: 04/05/21 11:05

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.4		4.96		mg/Kg			04/16/21 08:46	1

Client Sample ID: Auger Hole 8

Lab Sample ID: 880-1037-15

Date Collected: 04/05/21 11:10

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		4.95		mg/Kg			04/16/21 08:52	1

Client Sample ID: Auger Hole 8

Lab Sample ID: 880-1037-16

Date Collected: 04/05/21 11:15

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5		4.95		mg/Kg			04/16/21 08:57	1

Client Sample ID: Auger Hole 9

Lab Sample ID: 880-1037-17

Date Collected: 04/05/21 11:20

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.7		5.05		mg/Kg			04/16/21 09:02	1

Client Sample ID: Auger Hole 9

Lab Sample ID: 880-1037-18

Date Collected: 04/05/21 11:25

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		5.02		mg/Kg			04/16/21 09:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 10

Lab Sample ID: 880-1037-19

Date Collected: 04/05/21 11:30

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.6		4.97		mg/Kg			04/16/21 09:22	1

Client Sample ID: Auger Hole 10

Lab Sample ID: 880-1037-20

Date Collected: 04/05/21 11:35

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		4.98		mg/Kg			04/16/21 09:27	1

Client Sample ID: Auger Hole 11

Lab Sample ID: 880-1037-21

Date Collected: 04/05/21 11:40

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		4.98		mg/Kg			04/16/21 09:43	1

Client Sample ID: Auger Hole 11

Lab Sample ID: 880-1037-22

Date Collected: 04/05/21 11:45

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.7		5.00		mg/Kg			04/16/21 09:48	1

Client Sample ID: Auger Hole 12

Lab Sample ID: 880-1037-23

Date Collected: 04/05/21 11:50

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.5		4.99		mg/Kg			04/16/21 09:53	1

Client Sample ID: Auger Hole 12

Lab Sample ID: 880-1037-24

Date Collected: 04/05/21 11:55

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.0		5.01		mg/Kg			04/16/21 09:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co., NM

Client Sample ID: Auger Hole 13

Lab Sample ID: 880-1037-25

Date Collected: 04/05/21 12:00

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.91		5.01		mg/Kg			04/16/21 10:03	1

Client Sample ID: Auger Hole 13

Lab Sample ID: 880-1037-26

Date Collected: 04/05/21 12:05

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.60		5.01		mg/Kg			04/16/21 10:08	1

Client Sample ID: Auger Hole 14

Lab Sample ID: 880-1037-27

Date Collected: 04/05/21 12:10

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.99		mg/Kg			04/16/21 10:13	1

Client Sample ID: Auger Hole 14

Lab Sample ID: 880-1037-28

Date Collected: 04/05/21 12:15

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.90		5.04		mg/Kg			04/17/21 17:09	1

Client Sample ID: Auger Hole 15

Lab Sample ID: 880-1037-29

Date Collected: 04/05/21 12:20

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.02		mg/Kg			04/17/21 17:14	1

Client Sample ID: Auger Hole 15

Lab Sample ID: 880-1037-30

Date Collected: 04/05/21 12:25

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		5.02		mg/Kg			04/17/21 17:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 16

Lab Sample ID: 880-1037-31

Date Collected: 04/05/21 12:30

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		4.98		mg/Kg			04/17/21 17:34	1

Client Sample ID: Auger Hole 16

Lab Sample ID: 880-1037-32

Date Collected: 04/05/21 12:35

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		5.03		mg/Kg			04/17/21 17:39	1

Client Sample ID: Auger Hole 17

Lab Sample ID: 880-1037-33

Date Collected: 04/05/21 12:40

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.0 - 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		4.98		mg/Kg			04/17/21 17:44	1

Client Sample ID: Auger Hole 17

Lab Sample ID: 880-1037-34

Date Collected: 04/05/21 12:45

Matrix: Solid

Date Received: 04/06/21 09:55

Sample Depth: 0.5 - 1.0'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		4.98		mg/Kg			04/17/21 17:49	1

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1574/1-A

Matrix: Solid

Analysis Batch: 1689

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/13/21 04:23	1

Lab Sample ID: LCS 880-1574/3-A

Matrix: Solid

Analysis Batch: 1689

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.7		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-1574/2-A

Matrix: Solid

Analysis Batch: 1689

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-1639/1-A

Matrix: Solid

Analysis Batch: 1707

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/13/21 08:53	1

Lab Sample ID: LCS 880-1639/3-A

Matrix: Solid

Analysis Batch: 1707

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-1639/2-A

Matrix: Solid

Analysis Batch: 1707

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	241.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-1757/1-A

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/16/21 08:04	1

Lab Sample ID: LCS 880-1757/2-A

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-1757/3-A

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	256.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-1037-8 MS

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Auger Hole 4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	85.2		252	342.0		mg/Kg		102	90 - 110		

Lab Sample ID: 880-1037-8 MSD

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Auger Hole 4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	85.2		252	341.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-1037-18 MS

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Auger Hole 9

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	67.1		251	324.8		mg/Kg		103	90 - 110		

Lab Sample ID: 880-1037-18 MSD

Matrix: Solid

Analysis Batch: 1858

Client Sample ID: Auger Hole 9

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	67.1		251	324.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-1764/1-A

Matrix: Solid

Analysis Batch: 1932

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/17/21 16:28	1

Lab Sample ID: LCS 880-1764/2-A

Matrix: Solid

Analysis Batch: 1932

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.2		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-1764/3-A

Matrix: Solid

Analysis Batch: 1932

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.8		mg/Kg		98	90 - 110	1	20

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

HPLC/IC

Leach Batch: 1574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-7	Auger Hole 4	Soluble	Solid	DI Leach	
MB 880-1574/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1574/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1574/2-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 1639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-1	Auger Hole 1	Soluble	Solid	DI Leach	
880-1037-2	Auger Hole 1	Soluble	Solid	DI Leach	
880-1037-3	Auger Hole 2	Soluble	Solid	DI Leach	
880-1037-4	Auger Hole 2	Soluble	Solid	DI Leach	
880-1037-5	Auger Hole 3	Soluble	Solid	DI Leach	
880-1037-6	Auger Hole 3	Soluble	Solid	DI Leach	
MB 880-1639/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1639/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1639/2-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-7	Auger Hole 4	Soluble	Solid	300.0	1574
MB 880-1574/1-A	Method Blank	Soluble	Solid	300.0	1574
LCS 880-1574/3-A	Lab Control Sample	Soluble	Solid	300.0	1574
LCSD 880-1574/2-A	Lab Control Sample Dup	Soluble	Solid	300.0	1574

Analysis Batch: 1707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-1	Auger Hole 1	Soluble	Solid	300.0	1639
880-1037-2	Auger Hole 1	Soluble	Solid	300.0	1639
880-1037-3	Auger Hole 2	Soluble	Solid	300.0	1639
880-1037-4	Auger Hole 2	Soluble	Solid	300.0	1639
880-1037-5	Auger Hole 3	Soluble	Solid	300.0	1639
880-1037-6	Auger Hole 3	Soluble	Solid	300.0	1639
MB 880-1639/1-A	Method Blank	Soluble	Solid	300.0	1639
LCS 880-1639/3-A	Lab Control Sample	Soluble	Solid	300.0	1639
LCSD 880-1639/2-A	Lab Control Sample Dup	Soluble	Solid	300.0	1639

Leach Batch: 1757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-8	Auger Hole 4	Soluble	Solid	DI Leach	
880-1037-9	Auger Hole 5	Soluble	Solid	DI Leach	
880-1037-10	Auger Hole 5	Soluble	Solid	DI Leach	
880-1037-11	Auger Hole 6	Soluble	Solid	DI Leach	
880-1037-12	Auger Hole 6	Soluble	Solid	DI Leach	
880-1037-13	Auger Hole 7	Soluble	Solid	DI Leach	
880-1037-14	Auger Hole 7	Soluble	Solid	DI Leach	
880-1037-15	Auger Hole 8	Soluble	Solid	DI Leach	
880-1037-16	Auger Hole 8	Soluble	Solid	DI Leach	
880-1037-17	Auger Hole 9	Soluble	Solid	DI Leach	
880-1037-18	Auger Hole 9	Soluble	Solid	DI Leach	
880-1037-19	Auger Hole 10	Soluble	Solid	DI Leach	
880-1037-20	Auger Hole 10	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

HPLC/IC (Continued)

Leach Batch: 1757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-21	Auger Hole 11	Soluble	Solid	DI Leach	
880-1037-22	Auger Hole 11	Soluble	Solid	DI Leach	
880-1037-23	Auger Hole 12	Soluble	Solid	DI Leach	
880-1037-24	Auger Hole 12	Soluble	Solid	DI Leach	
880-1037-25	Auger Hole 13	Soluble	Solid	DI Leach	
880-1037-26	Auger Hole 13	Soluble	Solid	DI Leach	
880-1037-27	Auger Hole 14	Soluble	Solid	DI Leach	
MB 880-1757/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1757/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1757/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1037-8 MS	Auger Hole 4	Soluble	Solid	DI Leach	
880-1037-8 MSD	Auger Hole 4	Soluble	Solid	DI Leach	
880-1037-18 MS	Auger Hole 9	Soluble	Solid	DI Leach	
880-1037-18 MSD	Auger Hole 9	Soluble	Solid	DI Leach	

Leach Batch: 1764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-28	Auger Hole 14	Soluble	Solid	DI Leach	
880-1037-29	Auger Hole 15	Soluble	Solid	DI Leach	
880-1037-30	Auger Hole 15	Soluble	Solid	DI Leach	
880-1037-31	Auger Hole 16	Soluble	Solid	DI Leach	
880-1037-32	Auger Hole 16	Soluble	Solid	DI Leach	
880-1037-33	Auger Hole 17	Soluble	Solid	DI Leach	
880-1037-34	Auger Hole 17	Soluble	Solid	DI Leach	
MB 880-1764/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1764/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1764/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-8	Auger Hole 4	Soluble	Solid	300.0	1757
880-1037-9	Auger Hole 5	Soluble	Solid	300.0	1757
880-1037-10	Auger Hole 5	Soluble	Solid	300.0	1757
880-1037-11	Auger Hole 6	Soluble	Solid	300.0	1757
880-1037-12	Auger Hole 6	Soluble	Solid	300.0	1757
880-1037-13	Auger Hole 7	Soluble	Solid	300.0	1757
880-1037-14	Auger Hole 7	Soluble	Solid	300.0	1757
880-1037-15	Auger Hole 8	Soluble	Solid	300.0	1757
880-1037-16	Auger Hole 8	Soluble	Solid	300.0	1757
880-1037-17	Auger Hole 9	Soluble	Solid	300.0	1757
880-1037-18	Auger Hole 9	Soluble	Solid	300.0	1757
880-1037-19	Auger Hole 10	Soluble	Solid	300.0	1757
880-1037-20	Auger Hole 10	Soluble	Solid	300.0	1757
880-1037-21	Auger Hole 11	Soluble	Solid	300.0	1757
880-1037-22	Auger Hole 11	Soluble	Solid	300.0	1757
880-1037-23	Auger Hole 12	Soluble	Solid	300.0	1757
880-1037-24	Auger Hole 12	Soluble	Solid	300.0	1757
880-1037-25	Auger Hole 13	Soluble	Solid	300.0	1757
880-1037-26	Auger Hole 13	Soluble	Solid	300.0	1757
880-1037-27	Auger Hole 14	Soluble	Solid	300.0	1757
MB 880-1757/1-A	Method Blank	Soluble	Solid	300.0	1757

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

HPLC/IC (Continued)

Analysis Batch: 1858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1757/2-A	Lab Control Sample	Soluble	Solid	300.0	1757
LCSD 880-1757/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1757
880-1037-8 MS	Auger Hole 4	Soluble	Solid	300.0	1757
880-1037-8 MSD	Auger Hole 4	Soluble	Solid	300.0	1757
880-1037-18 MS	Auger Hole 9	Soluble	Solid	300.0	1757
880-1037-18 MSD	Auger Hole 9	Soluble	Solid	300.0	1757

Analysis Batch: 1932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1037-28	Auger Hole 14	Soluble	Solid	300.0	1764
880-1037-29	Auger Hole 15	Soluble	Solid	300.0	1764
880-1037-30	Auger Hole 15	Soluble	Solid	300.0	1764
880-1037-31	Auger Hole 16	Soluble	Solid	300.0	1764
880-1037-32	Auger Hole 16	Soluble	Solid	300.0	1764
880-1037-33	Auger Hole 17	Soluble	Solid	300.0	1764
880-1037-34	Auger Hole 17	Soluble	Solid	300.0	1764
MB 880-1764/1-A	Method Blank	Soluble	Solid	300.0	1764
LCS 880-1764/2-A	Lab Control Sample	Soluble	Solid	300.0	1764
LCSD 880-1764/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1764

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-1037-1

Date Collected: 04/05/21 10:00

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:01	CH	XM

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-1037-2

Date Collected: 04/05/21 10:05

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:07	CH	XM

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-1037-3

Date Collected: 04/05/21 10:10

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:12	CH	XM

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-1037-4

Date Collected: 04/05/21 10:15

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:18	CH	XM

Client Sample ID: Auger Hole 3

Lab Sample ID: 880-1037-5

Date Collected: 04/05/21 10:20

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:23	CH	XM

Client Sample ID: Auger Hole 3

Lab Sample ID: 880-1037-6

Date Collected: 04/05/21 10:25

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1639	04/12/21 10:05	CH	XM
Soluble	Analysis	300.0		1	1707	04/13/21 12:29	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 4

Lab Sample ID: 880-1037-7

Date Collected: 04/05/21 10:30

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1574	04/09/21 11:44	CH	XM
Soluble	Analysis	300.0		1	1689	04/13/21 07:04	CH	XM

Client Sample ID: Auger Hole 4

Lab Sample ID: 880-1037-8

Date Collected: 04/05/21 10:35

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:28	SC	XM

Client Sample ID: Auger Hole 5

Lab Sample ID: 880-1037-9

Date Collected: 04/05/21 10:40

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:44	SC	XM

Client Sample ID: Auger Hole 5

Lab Sample ID: 880-1037-10

Date Collected: 04/05/21 10:45

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:49	SC	XM

Client Sample ID: Auger Hole 6

Lab Sample ID: 880-1037-11

Date Collected: 04/05/21 10:50

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:54	SC	XM

Client Sample ID: Auger Hole 6

Lab Sample ID: 880-1037-12

Date Collected: 04/05/21 10:55

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 08:26	SC	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 7

Lab Sample ID: 880-1037-13

Date Collected: 04/05/21 11:00

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 08:41	SC	XM

Client Sample ID: Auger Hole 7

Lab Sample ID: 880-1037-14

Date Collected: 04/05/21 11:05

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 08:46	SC	XM

Client Sample ID: Auger Hole 8

Lab Sample ID: 880-1037-15

Date Collected: 04/05/21 11:10

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 08:52	SC	XM

Client Sample ID: Auger Hole 8

Lab Sample ID: 880-1037-16

Date Collected: 04/05/21 11:15

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 08:57	SC	XM

Client Sample ID: Auger Hole 9

Lab Sample ID: 880-1037-17

Date Collected: 04/05/21 11:20

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:02	SC	XM

Client Sample ID: Auger Hole 9

Lab Sample ID: 880-1037-18

Date Collected: 04/05/21 11:25

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:07	SC	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 10

Lab Sample ID: 880-1037-19

Date Collected: 04/05/21 11:30

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:22	SC	XM

Client Sample ID: Auger Hole 10

Lab Sample ID: 880-1037-20

Date Collected: 04/05/21 11:35

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:27	SC	XM

Client Sample ID: Auger Hole 11

Lab Sample ID: 880-1037-21

Date Collected: 04/05/21 11:40

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:43	SC	XM

Client Sample ID: Auger Hole 11

Lab Sample ID: 880-1037-22

Date Collected: 04/05/21 11:45

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:48	SC	XM

Client Sample ID: Auger Hole 12

Lab Sample ID: 880-1037-23

Date Collected: 04/05/21 11:50

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:53	SC	XM

Client Sample ID: Auger Hole 12

Lab Sample ID: 880-1037-24

Date Collected: 04/05/21 11:55

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 09:58	SC	XM

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Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 13

Lab Sample ID: 880-1037-25

Date Collected: 04/05/21 12:00

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:03	SC	XM

Client Sample ID: Auger Hole 13

Lab Sample ID: 880-1037-26

Date Collected: 04/05/21 12:05

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:08	SC	XM

Client Sample ID: Auger Hole 14

Lab Sample ID: 880-1037-27

Date Collected: 04/05/21 12:10

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1757	04/14/21 08:36	CH	XM
Soluble	Analysis	300.0		1	1858	04/16/21 10:13	SC	XM

Client Sample ID: Auger Hole 14

Lab Sample ID: 880-1037-28

Date Collected: 04/05/21 12:15

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:09	WP	XM

Client Sample ID: Auger Hole 15

Lab Sample ID: 880-1037-29

Date Collected: 04/05/21 12:20

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:14	WP	XM

Client Sample ID: Auger Hole 15

Lab Sample ID: 880-1037-30

Date Collected: 04/05/21 12:25

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:29	WP	XM

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Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Client Sample ID: Auger Hole 16

Lab Sample ID: 880-1037-31

Date Collected: 04/05/21 12:30

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:34	WP	XM

Client Sample ID: Auger Hole 16

Lab Sample ID: 880-1037-32

Date Collected: 04/05/21 12:35

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:39	WP	XM

Client Sample ID: Auger Hole 17

Lab Sample ID: 880-1037-33

Date Collected: 04/05/21 12:40

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:44	WP	XM

Client Sample ID: Auger Hole 17

Lab Sample ID: 880-1037-34

Date Collected: 04/05/21 12:45

Matrix: Solid

Date Received: 04/06/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1764	04/14/21 08:53	CH	XM
Soluble	Analysis	300.0		1	1932	04/17/21 17:49	WP	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Method Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: American Safety Services Inc.
Project/Site: Contango-Welch RL State 18

Job ID: 880-1037-1
SDG: Eddy Co.,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-1037-1	Auger Hole 1	Solid	04/05/21 10:00	04/06/21 09:55	0.0 - 0.5'
880-1037-2	Auger Hole 1	Solid	04/05/21 10:05	04/06/21 09:55	0.5 - 1.0'
880-1037-3	Auger Hole 2	Solid	04/05/21 10:10	04/06/21 09:55	0.0 - 0.5'
880-1037-4	Auger Hole 2	Solid	04/05/21 10:15	04/06/21 09:55	0.5 - 1.0'
880-1037-5	Auger Hole 3	Solid	04/05/21 10:20	04/06/21 09:55	0.0 - 0.5'
880-1037-6	Auger Hole 3	Solid	04/05/21 10:25	04/06/21 09:55	0.5 - 1.0'
880-1037-7	Auger Hole 4	Solid	04/05/21 10:30	04/06/21 09:55	0.0 - 0.5'
880-1037-8	Auger Hole 4	Solid	04/05/21 10:35	04/06/21 09:55	0.5 - 1.0'
880-1037-9	Auger Hole 5	Solid	04/05/21 10:40	04/06/21 09:55	0.0 - 0.5'
880-1037-10	Auger Hole 5	Solid	04/05/21 10:45	04/06/21 09:55	0.5 - 1.0'
880-1037-11	Auger Hole 6	Solid	04/05/21 10:50	04/06/21 09:55	0.0 - 0.5'
880-1037-12	Auger Hole 6	Solid	04/05/21 10:55	04/06/21 09:55	0.5 - 1.0'
880-1037-13	Auger Hole 7	Solid	04/05/21 11:00	04/06/21 09:55	0.0 - 0.5'
880-1037-14	Auger Hole 7	Solid	04/05/21 11:05	04/06/21 09:55	0.5 - 1.0'
880-1037-15	Auger Hole 8	Solid	04/05/21 11:10	04/06/21 09:55	0.0 - 0.5'
880-1037-16	Auger Hole 8	Solid	04/05/21 11:15	04/06/21 09:55	0.5 - 1.0'
880-1037-17	Auger Hole 9	Solid	04/05/21 11:20	04/06/21 09:55	0.0 - 0.5'
880-1037-18	Auger Hole 9	Solid	04/05/21 11:25	04/06/21 09:55	0.5 - 1.0'
880-1037-19	Auger Hole 10	Solid	04/05/21 11:30	04/06/21 09:55	0.0 - 0.5'
880-1037-20	Auger Hole 10	Solid	04/05/21 11:35	04/06/21 09:55	0.5 - 1.0'
880-1037-21	Auger Hole 11	Solid	04/05/21 11:40	04/06/21 09:55	0.0 - 0.5'
880-1037-22	Auger Hole 11	Solid	04/05/21 11:45	04/06/21 09:55	0.5 - 1.0'
880-1037-23	Auger Hole 12	Solid	04/05/21 11:50	04/06/21 09:55	0.0 - 0.5'
880-1037-24	Auger Hole 12	Solid	04/05/21 11:55	04/06/21 09:55	0.5 - 1.0'
880-1037-25	Auger Hole 13	Solid	04/05/21 12:00	04/06/21 09:55	0.0 - 0.5'
880-1037-26	Auger Hole 13	Solid	04/05/21 12:05	04/06/21 09:55	0.5 - 1.0'
880-1037-27	Auger Hole 14	Solid	04/05/21 12:10	04/06/21 09:55	0.0 - 0.5'
880-1037-28	Auger Hole 14	Solid	04/05/21 12:15	04/06/21 09:55	0.5 - 1.0'
880-1037-29	Auger Hole 15	Solid	04/05/21 12:20	04/06/21 09:55	0.0 - 0.5'
880-1037-30	Auger Hole 15	Solid	04/05/21 12:25	04/06/21 09:55	0.5 - 1.0'
880-1037-31	Auger Hole 16	Solid	04/05/21 12:30	04/06/21 09:55	0.0 - 0.5'
880-1037-32	Auger Hole 16	Solid	04/05/21 12:35	04/06/21 09:55	0.5 - 1.0'
880-1037-33	Auger Hole 17	Solid	04/05/21 12:40	04/06/21 09:55	0.0 - 0.5'
880-1037-34	Auger Hole 17	Solid	04/05/21 12:45	04/06/21 09:55	0.5 - 1.0'

Eurofins Xenco, Midland



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

San Antonio, Texas (210-880-1037 Chain of Custody)

Arizona (480-355-0900)

880-1037

4/19/2021

Client / Reporting Information				Project Information				Analytical Information		Matrix Codes							
Company Name / Branch: American Safety Services Inc.				Project Name/Number: Contango - Welch PL State 18													
Company Address 8715 Andrews Hwy Odessa TX 79785				Project Location:													
Email lfranklin@americansafety.net				Phone No: 432-557-9868				Invoice To: Eddy Co NM Steven Curtis lrcurtis@contango.com									
Project Contact: Thomas Franklin				PO Number:													
Sampler's Name: Miguel																	
Field ID / Point of Collection				Collection		Number of preserved bottles											
No	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Chloride E 300	Field Comments		
1	Auger Hole 1	0'-0.5'	4/5/2021	1000	S	1								X			
2	Auger Hole 1	0.5'-1'	4/5/2021	1005	S	1								X			
3	Auger Hole 2	0'-0.5'	4/5/2021	1010	S	1								X			
4	Auger Hole 2	0.5'-1'	4/5/2021	1015	S	1								X			
5	Auger Hole 3	0'-0.5'	4/5/2021	1020	S	1								X			
6	Auger Hole 3	0.5'-1'	4/5/2021	1025	S	1								X			
7	Auger Hole 4	0'-0.5'	4/5/2021	1030	S	1								X			
8	Auger Hole 4	0.5'-1'	4/5/2021	1035	S	1								X			
9	Auger Hole 5	0'-0.5'	4/5/2021	1040	S	1								X			
10	Auger Hole 5	0.5'-1'	4/5/2021	1045	S	1								X			
Turnaround Time (Business days)				Data Deliverable Information												Notes	
☐ Same Day TAT				☒ 5 Day TAT				☐ Level II Std OC				☐ Level IV (Full Data Pkg / raw data)					
☐ Next Day EMERGENCY				☐ 7 Day TAT				☐ Level III Std OC+ 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 BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																	
Relinquished by Sampler		Date Time:		Received By:		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		04/06/21 09:35		1045		04/06/21 09:35		Relinquished By		04/06/21 09:35		Relinquished By		04/06/21 09:35			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
Relinquished by		Date Time:		Received By		Date Time:		Relinquished By		Date Time:		Received By		Date Time:			
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CHAIN OF CUSTODY

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Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes					
Company Name / Branch: American Safety Services Inc.				Project Name/Number: Conlango - Welch RL State 18													
Company Address: 8715 Andrews Hwy Odessa Tx 79765				Project Location:													
Email: tfranklin@americansafeservices.net				Invoice To: Eddy Co. NM Steven Curtis													
Phone No: 432-557-9868				PO Number: IT.curtis@conlango.com													
Project Contact: Thomas Franklin																	
Sampler's Name: Miguel																	
No	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Chloride E 300	Field Comments	
1	Auger Hole 11	0'-0.5'	4/5/2021	1140	S	1									X		
2	Auger Hole 11	0.5'-1'	4/5/2021	1145	S	1									X		
3	Auger Hole 12	0'-0.5'	4/5/2021	1150	S	1									X		
4	Auger Hole 12	0.5'-1'	4/5/2021	1155	S	1									X		
5	Auger Hole 13	0'-0.5'	4/5/2021	1200	S	1									X		
6	Auger Hole 13	0.5'-1'	4/5/2021	1205	S	1									X		
7	Auger Hole 14	0'-0.5'	4/5/2021	1210	S	1									X		
8	Auger Hole 14	0.5'-1'	4/5/2021	1215	S	1									X		
9	Auger Hole 15	0'-0.5'	4/5/2021	1220	S	1									X		
10	Auger Hole 15	0.5'-1'	4/5/2021	1225	S	1									X		
Notes:																	
Turnaround Time (Business days)				Data Deliverable Information													
☐ Same Day TAT ☒ 5 Day TAT ☐ Next Day EMERGENCY ☐ 7 Day TAT ☐ 2 Day EMERGENCY ☐ Contract TAT ☐ 3 Day EMERGENCY				☐ Level II Std QC ☐ Level IV (Full Data Pkg / raw data) ☐ Level III Std QC+ Forms ☐ TRRP Level IV ☐ Level 3 (CLP Forms) ☐ UST / RG-411 ☐ 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 Sampler		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		Relinquished By	
1		Miguel Delma		04/06/21 09:35:18		[Signature]		2		[Signature]		2		[Signature]		2	
3		Relinquished by		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time	
5		Relinquished by		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time	
Custody Seal #				Preserved where applicable				On Ice				Cooler Temp. Thermo. Corr Factor					
5								X				5.4/5.9 +0.5					

Notice: 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.



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CHAIN OF CUSTODY

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Client / Reporting Information						Project Information								Analytical Information		Matrix Codes											
Company Name / Branch: American Safety Services Inc.				Project Name/Number:				Conlango - Welch RL State 18								W = Water S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water O = Oil WW = Waste Water A = Air											
Company Address: 8715 Andrews Hwy Odessa Tx 79765				Project Location:																							
Email tfranklin@americansafety.net				Phone No: 432-557-9868				Invoice To: Eddy Co NM Steven Curtis lt.curtis@conlango.com																			
Project Contact: Thomas Franklin				PO Number:																							
Sampler's Name Miguel																											
No	Field ID / Point of Collection			Collection		# of bottles		HCl		NaOH/Zn Acetate		HNO ₃		H ₂ SO ₄		NaOH		NaHSO ₄		MeOH		NONE		Chloride E 300		Field Comments	
1	Auger Hole 16	Sample Depth	Date	Time	Matrix																						
2	Auger Hole 16	0'-0.5'	4/5/2021	1230	S	1																	X				
3	Auger Hole 17	0.5'-1	4/5/2021	1235	S	1																X					
4	Auger Hole 17	0'-0.5'	4/5/2021	1240	S	1																X					
5		0.5' 1	4/5/2021	1245	S	1																X					
6																											
7																											
8																											
9																											
10																											
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 CUSTOMY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																											
Relinquished by Sampler		Date Time:		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		FED-EX / UPS Tracking #											
1		03/06/21 0735		Miguel De la Cruz		03/06/21 0735		2		03/06/21 0735		2		03/06/21 0735													
Relinquished by		Date Time:		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time													
3						3		4		4		4		4													
Relinquished by		Date Time		Received By		Date Time		Custody Seal #		Preserved where applicable		On Ice		Cooler Temp		Thermo Corr Factor											
5						5						X		5.4/59		+0.5											

Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 880-1037-1

SDG Number: Eddy Co.,NM

Login Number: 1037

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1712-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Contango - Welch RL State 18

For:

American Safety Services Inc.
8715 Andrews Hwy
Odessa, Texas 79765

Attn: Thomas Franklin

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
5/5/2021 8:29:56 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Laboratory Job ID: 880-1712-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Job ID: 880-1712-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-1712-1****Receipt**

The samples were received on 4/29/2021 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-2531 and analytical batch 880-2530 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: Confirmation Sample 7 (880-1712-7), Confirmation Sample 10 (880-1712-10), Confirmation Sample 15 (880-1712-15) and Confirmation Sample 16 (880-1712-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: Confirmation Sample 21 (880-1712-21), Confirmation Sample 23 (880-1712-23), Confirmation Sample 26 (880-1712-26), Confirmation Sample 27 (880-1712-27), Confirmation Sample 30 (880-1712-30), Confirmation Sample 31 (880-1712-31), Confirmation Sample 32 (880-1712-32), Confirmation Sample 33 (880-1712-33), Confirmation Sample 39 (880-1712-39) and Confirmation Sample 40 (880-1712-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 1

Lab Sample ID: 880-1712-1

Date Collected: 04/28/21 09:30

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/29/21 13:48	05/01/21 02:02	1
Total BTEX	<0.00398	U F1	0.00398		mg/Kg		04/29/21 13:48	05/01/21 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 02:02	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 02:02	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		04/29/21 10:51	05/01/21 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9		mg/Kg		04/29/21 10:51	05/01/21 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/01/21 22:38	1
Total TPH	<49.9	U F1 F2	49.9		mg/Kg		04/29/21 10:51	05/01/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/29/21 10:51	05/01/21 22:38	1
o-Terphenyl	105		70 - 130	04/29/21 10:51	05/01/21 22:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.02		mg/Kg			05/01/21 06:33	1

Client Sample ID: Confirmation Sample 2

Lab Sample ID: 880-1712-2

Date Collected: 04/28/21 09:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 02:23	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/29/21 13:48	05/01/21 02:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 02:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 2

Lab Sample ID: 880-1712-2

Date Collected: 04/28/21 09:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/01/21 23:42	1
Diesel Range Organics (Over C10-C28)	398		49.9		mg/Kg		04/29/21 10:51	05/01/21 23:42	1
Oil Range Organics (Over C28-C36)	170		49.9		mg/Kg		04/29/21 10:51	05/01/21 23:42	1
Total TPH	568		49.9		mg/Kg		04/29/21 10:51	05/01/21 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	04/29/21 10:51	05/01/21 23:42	1
o-Terphenyl	132	S1+	70 - 130	04/29/21 10:51	05/01/21 23:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.4		4.99		mg/Kg			05/01/21 06:38	1

Client Sample ID: Confirmation Sample 3

Lab Sample ID: 880-1712-3

Date Collected: 04/28/21 09:40

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 02:43	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/29/21 13:48	05/01/21 02:43	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 02:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/29/21 10:51	05/02/21 00:02	1
Diesel Range Organics (Over C10-C28)	221		49.8		mg/Kg		04/29/21 10:51	05/02/21 00:02	1
Oil Range Organics (Over C28-C36)	98.7		49.8		mg/Kg		04/29/21 10:51	05/02/21 00:02	1
Total TPH	320		49.8		mg/Kg		04/29/21 10:51	05/02/21 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	04/29/21 10:51	05/02/21 00:02	1
o-Terphenyl	132	S1+	70 - 130	04/29/21 10:51	05/02/21 00:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.1		4.97		mg/Kg			05/01/21 06:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 4

Lab Sample ID: 880-1712-4

Date Collected: 04/28/21 09:45

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 03:04	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/29/21 13:48	05/01/21 03:04	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/29/21 13:48	05/01/21 03:04	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 00:24	1
Diesel Range Organics (Over C10-C28)	84.0		49.9		mg/Kg		04/29/21 10:51	05/02/21 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 00:24	1
Total TPH	84.0		49.9		mg/Kg		04/29/21 10:51	05/02/21 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	04/29/21 10:51	05/02/21 00:24	1
o-Terphenyl	137	S1+	70 - 130	04/29/21 10:51	05/02/21 00:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.95		mg/Kg			05/01/21 07:00	1

Client Sample ID: Confirmation Sample 5

Lab Sample ID: 880-1712-5

Date Collected: 04/28/21 09:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 03:24	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/29/21 13:48	05/01/21 03:24	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 03:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 5

Lab Sample ID: 880-1712-5

Date Collected: 04/28/21 09:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 00:44	1
Diesel Range Organics (Over C10-C28)	52.8		50.0		mg/Kg		04/29/21 10:51	05/02/21 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 00:44	1
Total TPH	52.8		50.0		mg/Kg		04/29/21 10:51	05/02/21 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	04/29/21 10:51	05/02/21 00:44	1
o-Terphenyl	130		70 - 130	04/29/21 10:51	05/02/21 00:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		4.95		mg/Kg			05/01/21 07:05	1

Client Sample ID: Confirmation Sample 6

Lab Sample ID: 880-1712-6

Date Collected: 04/28/21 09:55

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 03:44	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/29/21 13:48	05/01/21 03:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 03:44	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:05	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	04/29/21 10:51	05/02/21 01:05	1
o-Terphenyl	151	S1+	70 - 130	04/29/21 10:51	05/02/21 01:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.7		5.04		mg/Kg			05/01/21 07:10	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 7

Lab Sample ID: 880-1712-7

Date Collected: 04/28/21 10:00

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 04:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 04:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 04:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/29/21 13:48	05/01/21 04:05	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:26	1
Diesel Range Organics (Over C10-C28)	87.6		50.0		mg/Kg		04/29/21 10:51	05/02/21 01:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 01:26	1
Total TPH	87.6		50.0		mg/Kg		04/29/21 10:51	05/02/21 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	04/29/21 10:51	05/02/21 01:26	1
o-Terphenyl	130		70 - 130	04/29/21 10:51	05/02/21 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.4		5.03		mg/Kg			05/01/21 07:16	1

Client Sample ID: Confirmation Sample 8

Lab Sample ID: 880-1712-8

Date Collected: 04/28/21 10:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/29/21 13:48	05/01/21 04:25	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/29/21 13:48	05/01/21 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 04:25	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 04:25	1

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Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 8

Lab Sample ID: 880-1712-8

Date Collected: 04/28/21 10:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 01:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 01:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 01:47	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	04/29/21 10:51	05/02/21 01:47	1
o-Terphenyl	137	S1+	70 - 130	04/29/21 10:51	05/02/21 01:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124	F1	5.00		mg/Kg			05/01/21 07:21	1

Client Sample ID: Confirmation Sample 9

Lab Sample ID: 880-1712-9

Date Collected: 04/28/21 10:10

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 04:46	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 04:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/29/21 13:48	05/01/21 04:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 02:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 02:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 02:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	04/29/21 10:51	05/02/21 02:08	1
o-Terphenyl	124		70 - 130	04/29/21 10:51	05/02/21 02:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.5		4.98		mg/Kg			05/01/21 07:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 10

Lab Sample ID: 880-1712-10

Date Collected: 04/28/21 10:15

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 05:06	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 05:06	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/29/21 13:48	05/01/21 05:06	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 02:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/29/21 10:51	05/02/21 02:29	1
o-Terphenyl	120		70 - 130	04/29/21 10:51	05/02/21 02:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		4.96		mg/Kg			05/01/21 07:42	1

Client Sample ID: Confirmation Sample 11

Lab Sample ID: 880-1712-11

Date Collected: 04/28/21 10:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 06:29	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 06:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 06:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 06:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 11

Lab Sample ID: 880-1712-11

Date Collected: 04/28/21 10:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:12	1
Diesel Range Organics (Over C10-C28)	121		50.0		mg/Kg		04/29/21 10:51	05/02/21 03:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:12	1
Total TPH	121		50.0		mg/Kg		04/29/21 10:51	05/02/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	04/29/21 10:51	05/02/21 03:12	1
o-Terphenyl	127		70 - 130	04/29/21 10:51	05/02/21 03:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		4.99		mg/Kg			05/01/21 07:59	1

Client Sample ID: Confirmation Sample 12

Lab Sample ID: 880-1712-12

Date Collected: 04/28/21 10:25

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 06:49	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:48	05/01/21 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/29/21 13:48	05/01/21 06:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/29/21 13:48	05/01/21 06:49	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:33	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	04/29/21 10:51	05/02/21 03:33	1
o-Terphenyl	122		70 - 130	04/29/21 10:51	05/02/21 03:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.1		4.97		mg/Kg			05/01/21 08:04	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 13

Lab Sample ID: 880-1712-13

Date Collected: 04/28/21 10:30

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:10	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 07:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 07:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:54	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/29/21 10:51	05/02/21 03:54	1
o-Terphenyl	110		70 - 130	04/29/21 10:51	05/02/21 03:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		5.00		mg/Kg			05/01/21 08:09	1

Client Sample ID: Confirmation Sample 14

Lab Sample ID: 880-1712-14

Date Collected: 04/28/21 10:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:30	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/29/21 13:48	05/01/21 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/29/21 13:48	05/01/21 07:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/29/21 13:48	05/01/21 07:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 14

Lab Sample ID: 880-1712-14

Date Collected: 04/28/21 10:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:15	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	04/29/21 10:51	05/02/21 04:15	1
o-Terphenyl	128		70 - 130	04/29/21 10:51	05/02/21 04:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.9		5.01		mg/Kg			05/01/21 08:15	1

Client Sample ID: Confirmation Sample 15

Lab Sample ID: 880-1712-15

Date Collected: 04/28/21 10:40

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 07:51	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 13:48	05/01/21 07:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	04/29/21 13:48	05/01/21 07:51	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 07:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:36	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	04/29/21 10:51	05/02/21 04:36	1
o-Terphenyl	121		70 - 130	04/29/21 10:51	05/02/21 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.00		mg/Kg			05/01/21 09:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 16

Lab Sample ID: 880-1712-16

Date Collected: 04/28/21 10:45

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 08:11	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 08:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 08:11	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:57	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	04/29/21 10:51	05/02/21 04:57	1
o-Terphenyl	113		70 - 130	04/29/21 10:51	05/02/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	416		5.04		mg/Kg			05/01/21 09:30	1

Client Sample ID: Confirmation Sample 17

Lab Sample ID: 880-1712-17

Date Collected: 04/28/21 10:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/29/21 13:48	05/01/21 08:32	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/29/21 13:48	05/01/21 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/29/21 13:48	05/01/21 08:32	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/29/21 13:48	05/01/21 08:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 17

Lab Sample ID: 880-1712-17

Date Collected: 04/28/21 10:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 05:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 05:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 05:18	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 10:51	05/02/21 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/29/21 10:51	05/02/21 05:18	1
o-Terphenyl	127		70 - 130	04/29/21 10:51	05/02/21 05:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.05		mg/Kg			05/01/21 09:35	1

Client Sample ID: Confirmation Sample 18

Lab Sample ID: 880-1712-18

Date Collected: 04/28/21 10:55

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 08:52	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:48	05/01/21 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 08:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/21 13:48	05/01/21 08:52	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/29/21 10:51	05/02/21 05:39	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/29/21 10:51	05/02/21 05:39	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/29/21 10:51	05/02/21 05:39	1
Total TPH	<50.1	U	50.1		mg/Kg		04/29/21 10:51	05/02/21 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	04/29/21 10:51	05/02/21 05:39	1
o-Terphenyl	137	S1+	70 - 130	04/29/21 10:51	05/02/21 05:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.9		5.02		mg/Kg			05/01/21 09:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 19

Lab Sample ID: 880-1712-19

Date Collected: 04/28/21 11:00

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/29/21 13:48	05/01/21 09:13	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/29/21 13:48	05/01/21 09:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/29/21 13:48	05/01/21 09:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/29/21 13:48	05/01/21 09:13	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:00	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	04/29/21 10:51	05/02/21 06:00	1
o-Terphenyl	120		70 - 130	04/29/21 10:51	05/02/21 06:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.99		mg/Kg			05/01/21 09:46	1

Client Sample ID: Confirmation Sample 20

Lab Sample ID: 880-1712-20

Date Collected: 04/28/21 11:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 09:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:48	05/01/21 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/29/21 13:48	05/01/21 09:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/29/21 13:48	05/01/21 09:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 20

Lab Sample ID: 880-1712-20

Date Collected: 04/28/21 11:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:22	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 10:51	05/02/21 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	04/29/21 10:51	05/02/21 06:22	1
o-Terphenyl	119		70 - 130	04/29/21 10:51	05/02/21 06:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		4.97		mg/Kg			05/01/21 10:02	1

Client Sample ID: Confirmation Sample 21

Lab Sample ID: 880-1712-21

Date Collected: 04/28/21 11:10

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0566	F1	0.00198		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
Toluene	0.0107	F1	0.00198		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
Ethylbenzene	0.0775	F1	0.00198		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
m-Xylene & p-Xylene	0.0337	F1	0.00396		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
Xylenes, Total	0.0337	F1	0.00396		mg/Kg		04/29/21 13:49	05/01/21 01:08	1
Total BTEX	0.179	F1	0.00396		mg/Kg		04/29/21 13:49	05/01/21 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	377	S1+	70 - 130	04/29/21 13:49	05/01/21 01:08	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/29/21 13:49	05/01/21 01:08	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 22:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/29/21 11:09	05/01/21 22:38	1
o-Terphenyl	118		70 - 130	04/29/21 11:09	05/01/21 22:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.7		4.95		mg/Kg			05/01/21 10:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 22

Lab Sample ID: 880-1712-22

Date Collected: 04/28/21 11:15

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:29	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/29/21 13:49	05/01/21 01:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/29/21 13:49	05/01/21 01:29	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 23:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 23:42	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/01/21 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/29/21 11:09	05/01/21 23:42	1
o-Terphenyl	121		70 - 130	04/29/21 11:09	05/01/21 23:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		4.95		mg/Kg			05/01/21 10:13	1

Client Sample ID: Confirmation Sample 23

Lab Sample ID: 880-1712-23

Date Collected: 04/28/21 11:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00349		0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:49	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/29/21 13:49	05/01/21 01:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/29/21 13:49	05/01/21 01:49	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 23

Lab Sample ID: 880-1712-23

Date Collected: 04/28/21 11:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/29/21 11:09	05/02/21 00:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/29/21 11:09	05/02/21 00:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/29/21 11:09	05/02/21 00:02	1
Total TPH	<49.8	U	49.8		mg/Kg		04/29/21 11:09	05/02/21 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/29/21 11:09	05/02/21 00:02	1
o-Terphenyl	120		70 - 130	04/29/21 11:09	05/02/21 00:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.5		5.04		mg/Kg			05/01/21 10:18	1

Client Sample ID: Confirmation Sample 24

Lab Sample ID: 880-1712-24

Date Collected: 04/28/21 11:25

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/29/21 13:49	05/01/21 02:10	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/29/21 13:49	05/01/21 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/29/21 13:49	05/01/21 02:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/29/21 13:49	05/01/21 02:10	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 00:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 00:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/29/21 11:09	05/02/21 00:24	1
o-Terphenyl	128		70 - 130	04/29/21 11:09	05/02/21 00:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.0		5.03		mg/Kg			05/01/21 10:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 25

Lab Sample ID: 880-1712-25

Date Collected: 04/28/21 11:30

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/29/21 13:49	05/01/21 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/29/21 13:49	05/01/21 02:30	1
1,4-Difluorobenzene (Surr)	120		70 - 130				04/29/21 13:49	05/01/21 02:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 00:44	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/29/21 11:09	05/02/21 00:44	1
o-Terphenyl	119		70 - 130				04/29/21 11:09	05/02/21 00:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		5.00		mg/Kg			05/01/21 10:29	1

Client Sample ID: Confirmation Sample 26

Lab Sample ID: 880-1712-26

Date Collected: 04/28/21 11:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00222		0.00200		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/29/21 13:49	05/01/21 02:51	1
1,4-Difluorobenzene (Surr)	117		70 - 130				04/29/21 13:49	05/01/21 02:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 26

Lab Sample ID: 880-1712-26

Date Collected: 04/28/21 11:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:05	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	04/29/21 11:09	05/02/21 01:05	1
o-Terphenyl	123		70 - 130	04/29/21 11:09	05/02/21 01:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.5		4.98		mg/Kg			05/01/21 10:45	1

Client Sample ID: Confirmation Sample 27

Lab Sample ID: 880-1712-27

Date Collected: 04/28/21 11:40

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 03:12	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/29/21 13:49	05/01/21 03:12	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/29/21 13:49	05/01/21 03:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:26	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/29/21 11:09	05/02/21 01:26	1
o-Terphenyl	113		70 - 130	04/29/21 11:09	05/02/21 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.0		4.96		mg/Kg			05/01/21 10:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 28

Lab Sample ID: 880-1712-28

Date Collected: 04/28/21 11:45

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 03:32	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/29/21 13:49	05/01/21 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/29/21 13:49	05/01/21 03:32	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/29/21 13:49	05/01/21 03:32	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 01:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 01:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 01:47	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	04/29/21 11:09	05/02/21 01:47	1
o-Terphenyl	126		70 - 130	04/29/21 11:09	05/02/21 01:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.2		4.99		mg/Kg			05/01/21 11:07	1

Client Sample ID: Confirmation Sample 29

Lab Sample ID: 880-1712-29

Date Collected: 04/28/21 11:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 03:53	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 03:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/29/21 13:49	05/01/21 03:53	1
1,4-Difluorobenzene (Surr)	118		70 - 130	04/29/21 13:49	05/01/21 03:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 29

Lab Sample ID: 880-1712-29

Date Collected: 04/28/21 11:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 02:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 02:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 02:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	04/29/21 11:09	05/02/21 02:08	1
o-Terphenyl	129		70 - 130	04/29/21 11:09	05/02/21 02:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		4.97		mg/Kg			05/01/21 11:12	1

Client Sample ID: Confirmation Sample 30

Lab Sample ID: 880-1712-30

Date Collected: 04/28/21 11:55

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 04:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/29/21 13:49	05/01/21 04:14	1
1,4-Difluorobenzene (Surr)	117		70 - 130	04/29/21 13:49	05/01/21 04:14	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 02:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	04/29/21 11:09	05/02/21 02:29	1
o-Terphenyl	132	S1+	70 - 130	04/29/21 11:09	05/02/21 02:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.0		5.00		mg/Kg			05/01/21 11:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 31

Lab Sample ID: 880-1712-31

Date Collected: 04/28/21 12:00

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 05:37	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/29/21 13:49	05/01/21 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/29/21 13:49	05/01/21 05:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	04/29/21 13:49	05/01/21 05:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:12	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	04/29/21 11:09	05/02/21 03:12	1
o-Terphenyl	127		70 - 130	04/29/21 11:09	05/02/21 03:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		5.01		mg/Kg			05/01/21 11:23	1

Client Sample ID: Confirmation Sample 32

Lab Sample ID: 880-1712-32

Date Collected: 04/28/21 12:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00378		0.00199		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
Ethylbenzene	0.00710		0.00199		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 05:57	1
Total BTEX	0.0109		0.00398		mg/Kg		04/29/21 13:49	05/01/21 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130	04/29/21 13:49	05/01/21 05:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/29/21 13:49	05/01/21 05:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 32

Lab Sample ID: 880-1712-32

Date Collected: 04/28/21 12:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:33	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/29/21 11:09	05/02/21 03:33	1
o-Terphenyl	111		70 - 130	04/29/21 11:09	05/02/21 03:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.1		5.01		mg/Kg			05/01/21 11:28	1

Client Sample ID: Confirmation Sample 33

Lab Sample ID: 880-1712-33

Date Collected: 04/28/21 12:10

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
Ethylbenzene	0.00436		0.00198		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/29/21 13:49	05/01/21 06:18	1
Total BTEX	0.00436		0.00396		mg/Kg		04/29/21 13:49	05/01/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	04/29/21 13:49	05/01/21 06:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/29/21 13:49	05/01/21 06:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:54	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/29/21 11:09	05/02/21 03:54	1
o-Terphenyl	111		70 - 130	04/29/21 11:09	05/02/21 03:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		5.03		mg/Kg			05/01/21 11:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 34

Lab Sample ID: 880-1712-34

Date Collected: 04/28/21 12:15

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 13:49	05/01/21 06:39	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 13:49	05/01/21 06:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/29/21 13:49	05/01/21 06:39	1
1,4-Difluorobenzene (Surr)	112		70 - 130	04/29/21 13:49	05/01/21 06:39	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:15	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	04/29/21 11:09	05/02/21 04:15	1
o-Terphenyl	121		70 - 130	04/29/21 11:09	05/02/21 04:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.02		mg/Kg			05/01/21 11:39	1

Client Sample ID: Confirmation Sample 35

Lab Sample ID: 880-1712-35

Date Collected: 04/28/21 12:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 06:59	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/29/21 13:49	05/01/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/29/21 13:49	05/01/21 06:59	1
1,4-Difluorobenzene (Surr)	118		70 - 130	04/29/21 13:49	05/01/21 06:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 35

Lab Sample ID: 880-1712-35

Date Collected: 04/28/21 12:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:36	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	04/29/21 11:09	05/02/21 04:36	1
o-Terphenyl	126		70 - 130	04/29/21 11:09	05/02/21 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.0		4.97		mg/Kg			05/04/21 01:06	1

Client Sample ID: Confirmation Sample 36

Lab Sample ID: 880-1712-36

Date Collected: 04/28/21 12:25

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 07:20	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/29/21 13:49	05/01/21 07:20	1
1,4-Difluorobenzene (Surr)	114		70 - 130	04/29/21 13:49	05/01/21 07:20	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 04:57	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/29/21 11:09	05/02/21 04:57	1
o-Terphenyl	118		70 - 130	04/29/21 11:09	05/02/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.5		4.99		mg/Kg			05/04/21 01:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 37

Lab Sample ID: 880-1712-37

Date Collected: 04/28/21 12:30

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 07:41	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 07:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	04/29/21 13:49	05/01/21 07:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/29/21 13:49	05/01/21 07:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 05:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 05:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 05:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/29/21 11:09	05/02/21 05:18	1
o-Terphenyl	127		70 - 130	04/29/21 11:09	05/02/21 05:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.6		5.02		mg/Kg			05/04/21 02:28	1

Client Sample ID: Confirmation Sample 38

Lab Sample ID: 880-1712-38

Date Collected: 04/28/21 12:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 08:02	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/29/21 13:49	05/01/21 08:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/29/21 13:49	05/01/21 08:02	1
1,4-Difluorobenzene (Surr)	121		70 - 130	04/29/21 13:49	05/01/21 08:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 38

Lab Sample ID: 880-1712-38

Date Collected: 04/28/21 12:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 05:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 05:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 05:39	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/29/21 11:09	05/02/21 05:39	1
o-Terphenyl	126		70 - 130	04/29/21 11:09	05/02/21 05:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		5.02		mg/Kg			05/04/21 02:43	1

Client Sample ID: Confirmation Sample 39

Lab Sample ID: 880-1712-39

Date Collected: 04/28/21 12:40

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0219		0.00200		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
m-Xylene & p-Xylene	0.00448		0.00399		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
Xylenes, Total	0.00448		0.00399		mg/Kg		04/29/21 13:49	05/01/21 08:22	1
Total BTEX	0.0264		0.00399		mg/Kg		04/29/21 13:49	05/01/21 08:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130	04/29/21 13:49	05/01/21 08:22	1
1,4-Difluorobenzene (Surr)	114		70 - 130	04/29/21 13:49	05/01/21 08:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 06:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 06:00	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:09	05/02/21 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/29/21 11:09	05/02/21 06:00	1
o-Terphenyl	112		70 - 130	04/29/21 11:09	05/02/21 06:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4		4.98		mg/Kg			05/04/21 02:49	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 40

Lab Sample ID: 880-1712-40

Date Collected: 04/28/21 12:45

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 08:43	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/29/21 13:49	05/01/21 08:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/29/21 13:49	05/01/21 08:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/29/21 13:49	05/01/21 08:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 06:22	1
Diesel Range Organics (Over C10-C28)	139		50.0		mg/Kg		04/29/21 11:09	05/02/21 06:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:09	05/02/21 06:22	1
Total TPH	139		50.0		mg/Kg		04/29/21 11:09	05/02/21 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/29/21 11:09	05/02/21 06:22	1
o-Terphenyl	115		70 - 130	04/29/21 11:09	05/02/21 06:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8		5.03		mg/Kg			05/04/21 02:54	1

Client Sample ID: Confirmation Sample 41

Lab Sample ID: 880-1712-41

Date Collected: 04/28/21 12:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 13:33	1
Total BTEX	<0.00399	U F2	0.00399		mg/Kg		04/30/21 10:02	04/30/21 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/30/21 10:02	04/30/21 13:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/30/21 10:02	04/30/21 13:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 41

Lab Sample ID: 880-1712-41

Date Collected: 04/28/21 12:50

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/29/21 11:28	04/29/21 23:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/29/21 11:28	04/29/21 23:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/29/21 23:59	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/29/21 11:28	04/29/21 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	04/29/21 11:28	04/29/21 23:59	1
o-Terphenyl	141	S1+	70 - 130	04/29/21 11:28	04/29/21 23:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.98		mg/Kg			05/04/21 02:59	1

Client Sample ID: Confirmation Sample 42

Lab Sample ID: 880-1712-42

Date Collected: 04/28/21 12:55

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/30/21 10:02	04/30/21 14:34	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/30/21 10:02	04/30/21 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/30/21 10:02	04/30/21 14:34	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/30/21 10:02	04/30/21 14:34	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:04	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/29/21 11:28	04/30/21 01:04	1
o-Terphenyl	119		70 - 130	04/29/21 11:28	04/30/21 01:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		5.05		mg/Kg			05/04/21 03:04	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 43

Lab Sample ID: 880-1712-43

Date Collected: 04/28/21 13:00

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 14:54	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/30/21 10:02	04/30/21 14:54	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/30/21 10:02	04/30/21 14:54	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/29/21 11:28	04/30/21 01:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/29/21 11:28	04/30/21 01:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/29/21 11:28	04/30/21 01:26	1
Total TPH	<49.8	U	49.8		mg/Kg		04/29/21 11:28	04/30/21 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	04/29/21 11:28	04/30/21 01:26	1
o-Terphenyl	126		70 - 130	04/29/21 11:28	04/30/21 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.05		mg/Kg			05/04/21 03:09	1

Client Sample ID: Confirmation Sample 44

Lab Sample ID: 880-1712-44

Date Collected: 04/28/21 13:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:15	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	04/30/21 10:02	04/30/21 15:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/30/21 10:02	04/30/21 15:15	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 44

Lab Sample ID: 880-1712-44

Date Collected: 04/28/21 13:05

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:48	1
Total TPH	<49.9	U	49.9		mg/Kg		04/29/21 11:28	04/30/21 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	04/29/21 11:28	04/30/21 01:48	1
o-Terphenyl	146	S1+	70 - 130	04/29/21 11:28	04/30/21 01:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.7		4.98		mg/Kg			05/04/21 03:24	1

Client Sample ID: Confirmation Sample 45

Lab Sample ID: 880-1712-45

Date Collected: 04/28/21 13:10

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:35	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/30/21 10:02	04/30/21 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	04/30/21 10:02	04/30/21 15:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/30/21 10:02	04/30/21 15:35	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:09	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	04/29/21 11:28	04/30/21 02:09	1
o-Terphenyl	131	S1+	70 - 130	04/29/21 11:28	04/30/21 02:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.00		mg/Kg			05/04/21 03:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 46

Lab Sample ID: 880-1712-46

Date Collected: 04/28/21 13:15

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 15:56	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/30/21 10:02	04/30/21 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/30/21 10:02	04/30/21 15:56	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/30/21 10:02	04/30/21 15:56	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:30	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 11:28	04/30/21 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	04/29/21 11:28	04/30/21 02:30	1
o-Terphenyl	143	S1+	70 - 130	04/29/21 11:28	04/30/21 02:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.6		4.96		mg/Kg			05/04/21 03:45	1

Client Sample ID: Confirmation Sample 47

Lab Sample ID: 880-1712-47

Date Collected: 04/28/21 13:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/21 10:02	04/30/21 16:34	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/30/21 10:02	04/30/21 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/30/21 10:02	04/30/21 16:34	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/30/21 10:02	04/30/21 16:34	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 47

Lab Sample ID: 880-1712-47

Date Collected: 04/28/21 13:20

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:09	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/30/21 08:50	05/03/21 04:09	1
o-Terphenyl	101		70 - 130	04/30/21 08:50	05/03/21 04:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.80		5.00		mg/Kg			05/04/21 03:50	1

Client Sample ID: Confirmation Sample 48

Lab Sample ID: 880-1712-48

Date Collected: 04/28/21 13:25

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/30/21 10:02	04/30/21 16:55	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/30/21 10:02	04/30/21 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/30/21 10:02	04/30/21 16:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/30/21 10:02	04/30/21 16:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 04:30	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/30/21 08:50	05/03/21 04:30	1
o-Terphenyl	102		70 - 130	04/30/21 08:50	05/03/21 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.92		5.00		mg/Kg			05/04/21 03:55	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 49

Lab Sample ID: 880-1712-49

Date Collected: 04/28/21 13:30

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/21 10:02	04/30/21 18:45	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/30/21 10:02	04/30/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/30/21 10:02	04/30/21 18:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/30/21 10:02	04/30/21 18:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:51	1
Total TPH	<49.9	U	49.9		mg/Kg		04/30/21 08:50	05/03/21 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	04/30/21 08:50	05/03/21 04:51	1
o-Terphenyl	92		70 - 130	04/30/21 08:50	05/03/21 04:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.3		4.97		mg/Kg			05/04/21 04:00	1

Client Sample ID: Confirmation Sample 50

Lab Sample ID: 880-1712-50

Date Collected: 04/28/21 13:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/30/21 10:02	04/30/21 19:05	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/30/21 10:02	04/30/21 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/30/21 10:02	04/30/21 19:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/30/21 10:02	04/30/21 19:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 50

Lab Sample ID: 880-1712-50

Date Collected: 04/28/21 13:35

Matrix: Solid

Date Received: 04/29/21 09:11

Sample Depth: 0' - 0.5'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 05:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 05:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 05:12	1
Total TPH	<50.0	U	50.0		mg/Kg		04/30/21 08:50	05/03/21 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/30/21 08:50	05/03/21 05:12	1
o-Terphenyl	100		70 - 130	04/30/21 08:50	05/03/21 05:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.6		4.99		mg/Kg			05/04/21 04:06	1

Eurofins Xenco, Midland

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-1712-1	Confirmation Sample 1	92	92
880-1712-1 MS	Confirmation Sample 1	101	99
880-1712-1 MSD	Confirmation Sample 1	116	97
880-1712-2	Confirmation Sample 2	95	92
880-1712-3	Confirmation Sample 3	95	94
880-1712-4	Confirmation Sample 4	99	91
880-1712-5	Confirmation Sample 5	103	92
880-1712-6	Confirmation Sample 6	97	94
880-1712-7	Confirmation Sample 7	94	90
880-1712-8	Confirmation Sample 8	94	93
880-1712-9	Confirmation Sample 9	93	96
880-1712-10	Confirmation Sample 10	92	87
880-1712-11	Confirmation Sample 11	94	93
880-1712-12	Confirmation Sample 12	99	96
880-1712-13	Confirmation Sample 13	92	93
880-1712-14	Confirmation Sample 14	95	95
880-1712-15	Confirmation Sample 15	91	94
880-1712-16	Confirmation Sample 16	94	92
880-1712-17	Confirmation Sample 17	101	94
880-1712-18	Confirmation Sample 18	93	93
880-1712-19	Confirmation Sample 19	97	92
880-1712-20	Confirmation Sample 20	97	91
880-1712-21	Confirmation Sample 21	377 S1+	103
880-1712-21 MS	Confirmation Sample 21	103	112
880-1712-21 MSD	Confirmation Sample 21	96	106
880-1712-22	Confirmation Sample 22	99	100
880-1712-23	Confirmation Sample 23	117	100
880-1712-24	Confirmation Sample 24	100	108
880-1712-25	Confirmation Sample 25	100	120
880-1712-26	Confirmation Sample 26	110	117
880-1712-27	Confirmation Sample 27	103	116
880-1712-28	Confirmation Sample 28	100	116
880-1712-29	Confirmation Sample 29	95	118
880-1712-30	Confirmation Sample 30	111	117
880-1712-31	Confirmation Sample 31	110	81
880-1712-32	Confirmation Sample 32	191 S1+	89
880-1712-33	Confirmation Sample 33	124	105
880-1712-34	Confirmation Sample 34	100	112
880-1712-35	Confirmation Sample 35	101	118
880-1712-36	Confirmation Sample 36	95	114
880-1712-37	Confirmation Sample 37	96	108
880-1712-38	Confirmation Sample 38	102	121
880-1712-39	Confirmation Sample 39	176 S1+	114
880-1712-40	Confirmation Sample 40	99	106
880-1712-41	Confirmation Sample 41	101	106
880-1712-41 MS	Confirmation Sample 41	103	107
880-1712-41 MSD	Confirmation Sample 41	125	88
880-1712-42	Confirmation Sample 42	114	104
880-1712-43	Confirmation Sample 43	108	107

Eurofins Xenco, Midland

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-1712-44	Confirmation Sample 44	123	89
880-1712-45	Confirmation Sample 45	126	92
880-1712-46	Confirmation Sample 46	110	106
880-1712-47	Confirmation Sample 47	113	107
880-1712-48	Confirmation Sample 48	112	105
880-1712-49	Confirmation Sample 49	101	104
880-1712-50	Confirmation Sample 50	114	107
LCS 880-2499/1-A	Lab Control Sample	110	101
LCS 880-2500/1-A	Lab Control Sample	94	114
LCS 880-2531/1-A	Lab Control Sample	100	105
LCSD 880-2499/2-A	Lab Control Sample Dup	108	101
LCSD 880-2500/2-A	Lab Control Sample Dup	90	105
LCSD 880-2531/2-A	Lab Control Sample Dup	101	103
MB 880-2460/5-A	Method Blank	113	95
MB 880-2461/5-A	Method Blank	250 S1+	257 S1+
MB 880-2499/5-A	Method Blank	89	89
MB 880-2500/5-A	Method Blank	102	98
MB 880-2531/5-A	Method Blank	102	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-1712-1	Confirmation Sample 1	106	105
880-1712-1 MS	Confirmation Sample 1	124	109
880-1712-1 MSD	Confirmation Sample 1	101	87
880-1712-2	Confirmation Sample 2	135 S1+	132 S1+
880-1712-3	Confirmation Sample 3	133 S1+	132 S1+
880-1712-4	Confirmation Sample 4	137 S1+	137 S1+
880-1712-5	Confirmation Sample 5	124	130
880-1712-6	Confirmation Sample 6	148 S1+	151 S1+
880-1712-7	Confirmation Sample 7	128	130
880-1712-8	Confirmation Sample 8	134 S1+	137 S1+
880-1712-9	Confirmation Sample 9	121	124
880-1712-10	Confirmation Sample 10	118	120
880-1712-11	Confirmation Sample 11	130	127
880-1712-12	Confirmation Sample 12	122	122
880-1712-13	Confirmation Sample 13	110	110
880-1712-14	Confirmation Sample 14	128	128
880-1712-15	Confirmation Sample 15	121	121
880-1712-16	Confirmation Sample 16	119	113
880-1712-17	Confirmation Sample 17	117	127
880-1712-18	Confirmation Sample 18	131 S1+	137 S1+
880-1712-19	Confirmation Sample 19	124	120
880-1712-20	Confirmation Sample 20	123	119

Eurofins Xenco, Midland

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-1712-21	Confirmation Sample 21	112	118
880-1712-21 MS	Confirmation Sample 21	115	108
880-1712-21 MSD	Confirmation Sample 21	101	94
880-1712-22	Confirmation Sample 22	118	121
880-1712-23	Confirmation Sample 23	112	120
880-1712-24	Confirmation Sample 24	118	128
880-1712-25	Confirmation Sample 25	112	119
880-1712-26	Confirmation Sample 26	113	123
880-1712-27	Confirmation Sample 27	108	113
880-1712-28	Confirmation Sample 28	115	126
880-1712-29	Confirmation Sample 29	121	129
880-1712-30	Confirmation Sample 30	121	132 S1+
880-1712-31	Confirmation Sample 31	119	127
880-1712-32	Confirmation Sample 32	109	111
880-1712-33	Confirmation Sample 33	105	111
880-1712-34	Confirmation Sample 34	113	121
880-1712-35	Confirmation Sample 35	116	126
880-1712-36	Confirmation Sample 36	111	118
880-1712-37	Confirmation Sample 37	117	127
880-1712-38	Confirmation Sample 38	117	126
880-1712-39	Confirmation Sample 39	107	112
880-1712-40	Confirmation Sample 40	107	115
880-1712-41	Confirmation Sample 41	131 S1+	141 S1+
880-1712-41 MS	Confirmation Sample 41	124	114
880-1712-41 MSD	Confirmation Sample 41	137 S1+	124
880-1712-42	Confirmation Sample 42	114	119
880-1712-43	Confirmation Sample 43	122	126
880-1712-44	Confirmation Sample 44	143 S1+	146 S1+
880-1712-45	Confirmation Sample 45	124	131 S1+
880-1712-46	Confirmation Sample 46	134 S1+	143 S1+
880-1712-47	Confirmation Sample 47	98	101
880-1712-48	Confirmation Sample 48	100	102
880-1712-49	Confirmation Sample 49	92	92
880-1712-50	Confirmation Sample 50	108	100
LCS 880-2481/2-A	Lab Control Sample	121	110
LCS 880-2486/2-A	Lab Control Sample	98	97
LCS 880-2490/2-A	Lab Control Sample	135 S1+	132 S1+
LCS 880-2518/2-A	Lab Control Sample	113	101
LCSD 880-2481/3-A	Lab Control Sample Dup	119	109
LCSD 880-2486/3-A	Lab Control Sample Dup	97	96
LCSD 880-2490/3-A	Lab Control Sample Dup	134 S1+	131 S1+
LCSD 880-2518/3-A	Lab Control Sample Dup	112	103
MB 880-2481/1-A	Method Blank	116	124
MB 880-2486/1-A	Method Blank	103	111
MB 880-2490/1-A	Method Blank	119	132 S1+
MB 880-2518/1-A	Method Blank	101	103

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2460/5-A

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
Toluene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
Ethylbenzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
m-Fylene X & Fylene	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
o-Fylene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
Fylenes, Total	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1
Total BTEF	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:30	0K/30/21 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	992		70 - 920	04/28/20 09:20	04/20/20 09:23: 8	9
95%-fluorobenzene (Surr)	8:		70 - 920	04/28/20 09:20	04/20/20 09:23: 8	9

Lab Sample ID: MB 880-2461/5-A

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
Toluene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
Ethylbenzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
m-Fylene X & Fylene	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
o-Fylene	<0.00200	9	0.00200		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
Fylenes, Total	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1
Total BTEF	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 10:3p	0K/30/21 1K:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	3: 0	S9i	70 - 920	04/28/20 09:20C	04/20/20 09:24/93	9
95%-fluorobenzene (Surr)	3: 7	S9i	70 - 920	04/28/20 09:20C	04/20/20 09:24/93	9

Lab Sample ID: MB 880-2499/5-A

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
Toluene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
Ethylbenzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
m-Fylene X & Fylene	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
o-Fylene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
Fylenes, Total	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1
Total BTEF	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K8	05/01/21 01:K1	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	h8		70 - 920	04/28/20 09:24h	0: 09/20 09/49	9
95%-fluorobenzene (Surr)	h8		70 - 920	04/28/20 09:24h	0: 09/20 09/49	9

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-2499/1-A

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1048		mg/Ug		110	70 - 130
Toluene	0.100	0.105K		mg/Ug		105	70 - 130
Ethylbenzene	0.100	0.1072		mg/Ug		107	70 - 130
m-Fylene X & Fylene	0.200	0.2242		mg/Ug		115	70 - 130
o-Fylene	0.100	0.1155		mg/Ug		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	990		70 - 920
95%, Fluorobenzene (Surr)	909		70 - 920

Lab Sample ID: LCSD 880-2499/2-A

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2499

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1048		mg/Ug		110	70 - 130	0	35
Toluene	0.100	0.1057		mg/Ug		10p	70 - 130	0	35
Ethylbenzene	0.100	0.1052		mg/Ug		105	70 - 130	2	35
m-Fylene X & Fylene	0.200	0.2233		mg/Ug		112	70 - 130	3	35
o-Fylene	0.100	0.1128		mg/Ug		113	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90h		70 - 920
95%, Fluorobenzene (Surr)	909		70 - 920

Lab Sample ID: 880-1712-1 MS

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Confirmation Sample 1

Prep Type: Total/NA

Prep Batch: 2499

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00144	9	0.0448	0.07p37		mg/Ug		77	70 - 130
Toluene	<0.00144	9	0.0448	0.0p44p		mg/Ug		70	70 - 130
Ethylbenzene	<0.00144	9 O1	0.0448	0.0p55p	O1	mg/Ug		pp	70 - 130
m-Fylene X & Fylene	<0.00348	9 O1	0.200	0.1357	O1	mg/Ug		p8	70 - 130
o-Fylene	<0.00144	9 O1	0.0448	0.0p783	O1	mg/Ug		p8	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	909		70 - 920
95%, Fluorobenzene (Surr)	88		70 - 920

Lab Sample ID: 880-1712-1 MSD

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Confirmation Sample 1

Prep Type: Total/NA

Prep Batch: 2499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00144	9	0.0448	0.07813		mg/Ug		78	70 - 130	2	35
Toluene	<0.00144	9	0.0448	0.07243		mg/Ug		73	70 - 130	K	35
Ethylbenzene	<0.00144	9 O1	0.0448	0.07342		mg/Ug		7K	70 - 130	12	35

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-1712-1 MSD

Matrix: Solid

Analysis Batch: 2544

Client Sample ID: Confirmation Sample 1

Prep Type: Total/NA

Prep Batch: 2499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Fylene X & Fylene	<0.00348	9 OI	0.200	0.151p		mg/Ug		7p	70 - 130	11	35
o-Fylene	<0.00144	9 OI	0.0448	0.077K0		mg/Ug		78	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99C		70 - 920								
95%-fluorobenzene (Surr)	87		70 - 920								

Lab Sample ID: MB 880-2500/5-A

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
Toluene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
Ethylbenzene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
m-Fylene X & Fylene	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
o-Fylene	<0.00200	9	0.00200		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
Fylenes, Total	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
Total BTEF	<0.00K00	9	0.00K00		mg/Ug		0K/24/21 13:K4	05/01/21 00:Kp	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	903		70 - 920				04/28/21 09:24/8	05/01/21 00:4C	9
95%-fluorobenzene (Surr)	8h		70 - 920				04/28/21 09:24/8	05/01/21 00:4C	9

Lab Sample ID: LCS 880-2500/1-A

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.04585		mg/Ug		4p	70 - 130
Toluene	0.100	0.1037		mg/Ug		10K	70 - 130
Ethylbenzene	0.100	0.04387		mg/Ug		4K	70 - 130
m-Fylene X & Fylene	0.200	0.143p		mg/Ug		47	70 - 130
o-Fylene	0.100	0.0457p		mg/Ug		4p	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	84		70 - 920				
95%-fluorobenzene (Surr)	994		70 - 920				

Lab Sample ID: LCSD 880-2500/2-A

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2500

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.04074		mg/Ug		41	70 - 130	5	35
Toluene	0.100	0.04774		mg/Ug		48	70 - 130	p	35
Ethylbenzene	0.100	0.04525		mg/Ug		45	70 - 130	1	35
m-Fylene X & Fylene	0.200	0.1401		mg/Ug		45	70 - 130	2	35

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-2500/2-A

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2500

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Fylene	0.100	0.04012		mg/Ug		40	70 - 130	p	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 920
95% Fluorobenzene (Surr)	90		70 - 920

Lab Sample ID: 880-1712-21 MS

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Confirmation Sample 21

Prep Type: Total/NA

Prep Batch: 2500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.05pp	O1	0.101	0.057K4	O1	mg/Ug		0.4	70 - 130		
Toluene	0.0107	O1	0.101	0.05732	O1	mg/Ug		Kp	70 - 130		
Ethylbenzene	0.0775	O1	0.101	0.05122	O1	mg/Ug		-2p	70 - 130		
m-Fylene X & Fylene	0.0337	O1	0.201	0.103p	O1	mg/Ug		35	70 - 130		
o-Fylene	<0.00148	9 O1	0.101	0.053p0	O1	mg/Ug		53	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	902		70 - 920
95% Fluorobenzene (Surr)	993		70 - 920

Lab Sample ID: 880-1712-21 MSD

Matrix: Solid

Analysis Batch: 2529

Client Sample ID: Confirmation Sample 21

Prep Type: Total/NA

Prep Batch: 2500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.05pp	O1	0.0440	0.0K84p	O1	mg/Ug		-8	70 - 130	1p	35
Toluene	0.0107	O1	0.0440	0.05548	O1	mg/Ug		Kp	70 - 130	2	35
Ethylbenzene	0.0775	O1	0.0440	0.0K811	O1	mg/Ug		-30	70 - 130	p	35
m-Fylene X & Fylene	0.0337	O1	0.148	0.04452	O1	mg/Ug		33	70 - 130	K	35
o-Fylene	<0.00148	9 O1	0.0440	0.05088	O1	mg/Ug		51	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	8C		70 - 920
95% Fluorobenzene (Surr)	90C		70 - 920

Lab Sample ID: MB 880-2531/5-A

Matrix: Solid

Analysis Batch: 2530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	9	0.00200		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
Toluene	<0.00200	9	0.00200		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
Ethylbenzene	<0.00200	9	0.00200		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
m-Fylene X & Fylene	<0.00K00	9	0.00K00		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
o-Fylene	<0.00200	9	0.00200		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
Fylenes, Total	<0.00K00	9	0.00K00		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1
Total BTEF	<0.00K00	9	0.00K00		mg/Ug		0K/30/21 10:02	0K/30/21 13:0K	1

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	903		70 - 920	04/20/19 90/03	04/20/19 92/04	9
95% Fluorobenzene (Surr)	902		70 - 920	04/20/19 90/03	04/20/19 92/04	9

Lab Sample ID: LCS 880-2531/1-A

Matrix: Solid

Analysis Batch: 2530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1038		mg/Ug		10K	70 - 130
Toluene	0.100	0.107p		mg/Ug		108	70 - 130
Ethylbenzene	0.100	0.112K		mg/Ug		112	70 - 130
m-Fylene X & Fylene	0.200	0.2307		mg/Ug		115	70 - 130
o-Fylene	0.100	0.1044		mg/Ug		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	900		70 - 920
95% Fluorobenzene (Surr)	90		70 - 920

Lab Sample ID: LCSD 880-2531/2-A

Matrix: Solid

Analysis Batch: 2530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1038		mg/Ug		10K	70 - 130	0	35
Toluene	0.100	0.1080		mg/Ug		108	70 - 130	0	35
Ethylbenzene	0.100	0.1121		mg/Ug		112	70 - 130	0	35
m-Fylene X & Fylene	0.200	0.230p		mg/Ug		115	70 - 130	0	35
o-Fylene	0.100	0.1048		mg/Ug		110	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	909		70 - 920
95% Fluorobenzene (Surr)	902		70 - 920

Lab Sample ID: 880-1712-41 MS

Matrix: Solid

Analysis Batch: 2530

Client Sample ID: Confirmation Sample 41

Prep Type: Total/NA

Prep Batch: 2531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	9 Q2 O1	0.0448	0.04K5K		mg/Ug		45	70 - 130
Toluene	<0.00200	9 O1	0.0448	0.043p1		mg/Ug		4K	70 - 130
Ethylbenzene	<0.00200	9	0.0448	0.045p1		mg/Ug		4p	70 - 130
m-Fylene X & Fylene	<0.00344	9	0.200	0.1455		mg/Ug		48	70 - 130
o-Fylene	<0.00200	9	0.0448	0.043K5		mg/Ug		4K	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	902		70 - 920
95% Fluorobenzene (Surr)	907		70 - 920

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-1712-41 MSD

Matrix: Solid

Analysis Batch: 2530

Client Sample ID: Confirmation Sample 41

Prep Type: Total/NA

Prep Batch: 2531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	9 Q2 O1	0.100	0.05572	Q2 O1	mg/Ug		5p	70 - 130	52	35
Toluene	<0.00200	9 O1	0.100	0.0p831	O1	mg/Ug		p8	70 - 130	31	35
Ethylbenzene	<0.00200	9	0.100	0.075K2		mg/Ug		75	70 - 130	2K	35
m-Fylene X & Fylene	<0.00344	9	0.200	0.152p		mg/Ug		7p	70 - 130	25	35
o-Fylene	<0.00200	9	0.100	0.07327		mg/Ug		73	70 - 130	2K	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93:		70 - 920
95%, Fluorobenzene (Surr)	hh		70 - 920

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-2481/1-A

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range (rganics)GR(6Cp-C10	<50.0	9	50.0		mg/Ug		0K/24/21 10:51	05/01/21 21:3K	1
Diesel Range (rganics)(ver C10-C286	<50.0	9	50.0		mg/Ug		0K/24/21 10:51	05/01/21 21:3K	1
(ll Range (rganics)(ver C28-C3p6	<50.0	9	50.0		mg/Ug		0K/24/21 10:51	05/01/21 21:3K	1
Total TPH	<50.0	9	50.0		mg/Ug		0K/24/21 10:51	05/01/21 21:3K	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
9-c t l o r o o a d n e	99C		70 - 920	04/28/21 10:51	05/01/21 21:3K	9
o-peryt en+I	934		70 - 920	04/28/21 10:51	05/01/21 21:3K	9

Lab Sample ID: LCS 880-2481/2-A

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range (rganics)GR(6Cp-C10	1000	1008		mg/Ug		101	70 - 130
Diesel Range (rganics)(ver C10-C286	1000	12p4		mg/Ug		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
9-c t l o r o o a d n e	939		70 - 920
o-peryt en+I	990		70 - 920

Lab Sample ID: LCSD 880-2481/3-A

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2481

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range (rganics)GR(6Cp-C10	1000	1025		mg/Ug		103	70 - 130	2	20

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-2481/3-A

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2481

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range (rganics)(ver C10-C286	1000	1234		mg/Ug		12K	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
9-c t l o r o o a t n e	998		70 - 920						
o-peryt en+I	908		70 - 920						

Lab Sample ID: 880-1712-1 MS

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Confirmation Sample 1

Prep Type: Total/NA

Prep Batch: 2481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range (rganics)GR(6Cp-C10	<K4.4	9 O1 Q2	448	155K	O1	mg/Ug		151	70 - 130		
Diesel Range (rganics)(ver C10-C286	<K4.4	9 Q2	448	1275		mg/Ug		12p	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
9-c t l o r o o a t n e	934		70 - 920								
o-peryt en+I	908		70 - 920								

Lab Sample ID: 880-1712-1 MSD

Matrix: Solid

Analysis Batch: 2591

Client Sample ID: Confirmation Sample 1

Prep Type: Total/NA

Prep Batch: 2481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range (rganics)GR(6Cp-C10	<K4.4	9 O1 Q2	448	1177	Q2	mg/Ug		113	70 - 130	28	20
Diesel Range (rganics)(ver C10-C286	<K4.4	9 Q2	448	1007	Q2	mg/Ug		44	70 - 130	2K	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
9-c t l o r o o a t n e	909		70 - 920								
o-peryt en+I	h7		70 - 920								

Lab Sample ID: MB 880-2486/1-A

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range (rganics)GR(6Cp-C10	<50.0	9	50.0		mg/Ug		0K/24/21 11:04	05/01/21 21:3K	1
Diesel Range (rganics)(ver C10-C286	<50.0	9	50.0		mg/Ug		0K/24/21 11:04	05/01/21 21:3K	1
(ll Range (rganics)(ver C28-C3p6	<50.0	9	50.0		mg/Ug		0K/24/21 11:04	05/01/21 21:3K	1
Total TPH	<50.0	9	50.0		mg/Ug		0K/24/21 11:04	05/01/21 21:3K	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
9-c t l o r o o a t n e	902		70 - 920						

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-2486/1-A

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2486

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -perylene	999		70 - 920	04/18/19 99/08	01/09/19 39/24	9

Lab Sample ID: LCS 880-2486/2-A

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range (rganics))GR(6Cp-C10	1000	1133		mg/Ug		113	70 - 130
Diesel Range (rganics)(ver C10-C286	1000	10p2		mg/Ug		10p	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>9-c t l o r o o a b i n e</i>	8h		70 - 920
<i>o</i> -perylene	87		70 - 920

Lab Sample ID: LCSD 880-2486/3-A

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range (rganics))GR(6Cp-C10	1000	108K		mg/Ug		108	70 - 130	K	20
Diesel Range (rganics)(ver C10-C286	1000	105K		mg/Ug		105	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
<i>9-c t l o r o o a b i n e</i>	87		70 - 920
<i>o</i> -perylene	8C		70 - 920

Lab Sample ID: 880-1712-21 MS

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Confirmation Sample 21

Prep Type: Total/NA

Prep Batch: 2486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range (rganics))GR(6Cp-C10	<K4.4	9	448	12p7		mg/Ug		127	70 - 130
Diesel Range (rganics)(ver C10-C286	<K4.4	9	448	1185		mg/Ug		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>9-c t l o r o o a b i n e</i>	99:		70 - 920
<i>o</i> -perylene	90h		70 - 920

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-1712-21 MSD

Matrix: Solid

Analysis Batch: 2589

Client Sample ID: Confirmation Sample 21

Prep Type: Total/NA

Prep Batch: 2486

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range (rganics)GR(6Cp-C10	<K4.4	9	448	1043		mg/Ug		104	70 - 130	15	20
Diesel Range (rganics)(ver C10-C286	<K4.4	9	448	102p		mg/Ug		44	70 - 130	1K	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
9-c t l o r o o a t n e	909		70 - 920								
o-p e r y t e n + l	84		70 - 920								

Lab Sample ID: MB 880-2490/1-A

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range (rganics)GR(6Cp-C10	<50.0	9	50.0		mg/Ug		0K/24/21 11:28	0K/24/21 22:5K	1
Diesel Range (rganics)(ver C10-C286	<50.0	9	50.0		mg/Ug		0K/24/21 11:28	0K/24/21 22:5K	1
(ll Range (rganics)(ver C28-C3p6	<50.0	9	50.0		mg/Ug		0K/24/21 11:28	0K/24/21 22:5K	1
Total TPH	<50.0	9	50.0		mg/Ug		0K/24/21 11:28	0K/24/21 22:5K	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
9-c t l o r o o a t n e	998		70 - 920				04/28/21 99/3h	04/28/21 33/ 4	9
o-p e r y t e n + l	923	S9i	70 - 920				04/28/21 99/3h	04/28/21 33/ 4	9

Lab Sample ID: LCS 880-2490/2-A

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range (rganics)GR(6Cp-C10	1000	1180		mg/Ug		118	70 - 130	
Diesel Range (rganics)(ver C10-C286	1000	1155		mg/Ug		11p	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
9-c t l o r o o a t n e	92	S9i	70 - 920					
o-p e r y t e n + l	923	S9i	70 - 920					

Lab Sample ID: LCSD 880-2490/3-A

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range (rganics)GR(6Cp-C10	1000	1150		mg/Ug		115	70 - 130	3	20
Diesel Range (rganics)(ver C10-C286	1000	11K0		mg/Ug		11K	70 - 130	1	20

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-2490/3-A

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2490

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
9-c t l o r o o a d i n e	924	S9i	70 - 920
o-peryt en-t	929	S9i	70 - 920

Lab Sample ID: 880-1712-41 MS

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Confirmation Sample 41

Prep Type: Total/NA

Prep Batch: 2490

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range (rganics)GR(6Cp-C10	<K4.4	9 O1	448	1277		mg/Ug		125	70 - 130	
Diesel Range (rganics)(ver C10-C286	<K4.4	9 O1	448	1273		mg/Ug		125	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
9-c t l o r o o a d i n e	934		70 - 920							
o-peryt en-t	994		70 - 920							

Lab Sample ID: 880-1712-41 MSD

Matrix: Solid

Analysis Batch: 2484

Client Sample ID: Confirmation Sample 41

Prep Type: Total/NA

Prep Batch: 2490

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range (rganics)GR(6Cp-C10	<K4.4	9 O1	448	1KpK	O1	mg/Ug		1K3	70 - 130	1K	20	
Diesel Range (rganics)(ver C10-C286	<K4.4	9 O1	448	1K04	O1	mg/Ug		134	70 - 130	10	20	
Surrogate	%Recovery	Qualifier	Limits									
9-c t l o r o o a d i n e	927	S9i	70 - 920									
o-peryt en-t	934		70 - 920									

Lab Sample ID: MB 880-2518/1-A

Matrix: Solid

Analysis Batch: 2600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2518

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range (rganics)GR(6Cp-C10	<50.0	9	50.0		mg/Ug		0K/30/21 08:50	05/02/21 21:08	1		
Diesel Range (rganics)(ver C10-C286	<50.0	9	50.0		mg/Ug		0K/30/21 08:50	05/02/21 21:08	1		
(ll Range (rganics)(ver C28-C3p6	<50.0	9	50.0		mg/Ug		0K/30/21 08:50	05/02/21 21:08	1		
Total TPH	<50.0	9	50.0		mg/Ug		0K/30/21 08:50	05/02/21 21:08	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
9-c t l o r o o a d i n e	909		70 - 920				04/20/19 0h: 0	0: 03/19 39/0h	9		
o-peryt en-t	902		70 - 920				04/20/19 0h: 0	0: 03/19 39/0h	9		

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-2518/2-A

Matrix: Solid

Analysis Batch: 2600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range (rganics))GR(6Cp-C10	1000	1115		mg/Ug		111	70 - 130
Diesel Range (rganics)(ver C10-C286	1000	107K		mg/Ug		107	70 - 130
		LCS %Recovery	LCS Qualifier	Limits			
Surrogate							
9-c t l o r o o a t h e		992					70 - 920
o-p e r y t e n + l		909					70 - 920

Lab Sample ID: LCSD 880-2518/3-A

Matrix: Solid

Analysis Batch: 2600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range (rganics))GR(6Cp-C10	1000	4K7.2		mg/Ug		45	70 - 130	1p	20
Diesel Range (rganics)(ver C10-C286	1000	104K		mg/Ug		104	70 - 130	2	20
		LCSD %Recovery	LCSD Qualifier	Limits					
Surrogate									
9-c t l o r o o a t h e		993							70 - 920
o-p e r y t e n + l		902							70 - 920

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2489/1-A

Matrix: Solid

Analysis Batch: 2576

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	9	5.00		mg/Ug			05/01/21 05:50	1

Lab Sample ID: LCS 880-2489/2-A

Matrix: Solid

Analysis Batch: 2576

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	2K8.1		mg/Ug		44	40 - 110

Lab Sample ID: LCSD 880-2489/3-A

Matrix: Solid

Analysis Batch: 2576

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	2Kp.3		mg/Ug		44	40 - 110	1	20

Eurofins Fenco, Midland

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1712-8 MS

Matrix: Solid

Analysis Batch: 2576

Client Sample ID: Confirmation Sample 8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12K	O1	250	K03.3	O1	mg/Ug		112	40 - 110

Lab Sample ID: 880-1712-8 MSD

Matrix: Solid

Analysis Batch: 2576

Client Sample ID: Confirmation Sample 8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12K	O1	250	K07.2	O1	mg/Ug		113	40 - 110	1	20

Lab Sample ID: MB 880-2491/1-A

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	9	5.00		mg/Ug			05/01/21 08:58	1

Lab Sample ID: LCS 880-2491/2-A

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.K		mg/Ug		101	40 - 110

Lab Sample ID: LCSD 880-2491/3-A

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	250.4		mg/Ug		100	40 - 110	0	20

Lab Sample ID: 880-1712-15 MS

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Confirmation Sample 15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	103		250	3K0.5		mg/Ug		45	40 - 110

Lab Sample ID: 880-1712-15 MSD

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Confirmation Sample 15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	103		250	337.1		mg/Ug		4K	40 - 110	1	20

Lab Sample ID: 880-1712-25 MS

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Confirmation Sample 25

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	K3.7		250	24K8		mg/Ug		100	40 - 110

Eurofins Fenco, Midland

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1712-25 MSD

Matrix: Solid

Analysis Batch: 2587

Client Sample ID: Confirmation Sample 25

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	K3.7		250	300.K		mg/Ug		103	40 - 110	2	20

Lab Sample ID: MB 880-2492/1-A

Matrix: Solid

Analysis Batch: 2651

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	9	5.00		mg/Ug			05/03/21 22:K7	1

Lab Sample ID: LCS 880-2492/2-A

Matrix: Solid

Analysis Batch: 2651

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	2K5.p		mg/Ug		48	40 - 110

Lab Sample ID: LCSD 880-2492/3-A

Matrix: Solid

Analysis Batch: 2651

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	2K5.3		mg/Ug		48	40 - 110	0	20

Lab Sample ID: MB 880-2494/1-A

Matrix: Solid

Analysis Batch: 2660

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	9	5.00		mg/Ug			05/0K/21 01:K2	1

Lab Sample ID: LCS 880-2494/2-A

Matrix: Solid

Analysis Batch: 2660

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	2K7.0		mg/Ug		44	40 - 110

Lab Sample ID: LCSD 880-2494/3-A

Matrix: Solid

Analysis Batch: 2660

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	2K7.0		mg/Ug		44	40 - 110	0	20

Lab Sample ID: 880-1712-43 MS

Matrix: Solid

Analysis Batch: 2660

Client Sample ID: Confirmation Sample 43

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	K7.4		253	303.4		mg/Ug		101	40 - 110

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1712-43 MSD					Client Sample ID: Confirmation Sample 43							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 2660												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	K7.4		253	303.7		mg/Ug		101	40 - 110	0	20	

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 2460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2460/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 2461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2461/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 2499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Total/NA	Solid	5035	
880-1712-2	Confirmation Sample 2	Total/NA	Solid	5035	
880-1712-3	Confirmation Sample 3	Total/NA	Solid	5035	
880-1712-4	Confirmation Sample 4	Total/NA	Solid	5035	
880-1712-5	Confirmation Sample 5	Total/NA	Solid	5035	
880-1712-6	Confirmation Sample 6	Total/NA	Solid	5035	
880-1712-7	Confirmation Sample 7	Total/NA	Solid	5035	
880-1712-8	Confirmation Sample 8	Total/NA	Solid	5035	
880-1712-9	Confirmation Sample 9	Total/NA	Solid	5035	
880-1712-10	Confirmation Sample 10	Total/NA	Solid	5035	
880-1712-11	Confirmation Sample 11	Total/NA	Solid	5035	
880-1712-12	Confirmation Sample 12	Total/NA	Solid	5035	
880-1712-13	Confirmation Sample 13	Total/NA	Solid	5035	
880-1712-14	Confirmation Sample 14	Total/NA	Solid	5035	
880-1712-15	Confirmation Sample 15	Total/NA	Solid	5035	
880-1712-16	Confirmation Sample 16	Total/NA	Solid	5035	
880-1712-17	Confirmation Sample 17	Total/NA	Solid	5035	
880-1712-18	Confirmation Sample 18	Total/NA	Solid	5035	
880-1712-19	Confirmation Sample 19	Total/NA	Solid	5035	
880-1712-20	Confirmation Sample 20	Total/NA	Solid	5035	
MB 880-2499/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2499/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2499/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1712-1 MS	Confirmation Sample 1	Total/NA	Solid	5035	
880-1712-1 MSD	Confirmation Sample 1	Total/NA	Solid	5035	

Prep Batch: 2500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-21	Confirmation Sample 21	Total/NA	Solid	5035	
880-1712-22	Confirmation Sample 22	Total/NA	Solid	5035	
880-1712-23	Confirmation Sample 23	Total/NA	Solid	5035	
880-1712-24	Confirmation Sample 24	Total/NA	Solid	5035	
880-1712-25	Confirmation Sample 25	Total/NA	Solid	5035	
880-1712-26	Confirmation Sample 26	Total/NA	Solid	5035	
880-1712-27	Confirmation Sample 27	Total/NA	Solid	5035	
880-1712-28	Confirmation Sample 28	Total/NA	Solid	5035	
880-1712-29	Confirmation Sample 29	Total/NA	Solid	5035	
880-1712-30	Confirmation Sample 30	Total/NA	Solid	5035	
880-1712-31	Confirmation Sample 31	Total/NA	Solid	5035	
880-1712-32	Confirmation Sample 32	Total/NA	Solid	5035	
880-1712-33	Confirmation Sample 33	Total/NA	Solid	5035	
880-1712-34	Confirmation Sample 34	Total/NA	Solid	5035	
880-1712-35	Confirmation Sample 35	Total/NA	Solid	5035	

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QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 2500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-36	Confirmation Sample 36	Total/NA	Solid	5035	
880-1712-37	Confirmation Sample 37	Total/NA	Solid	5035	
880-1712-38	Confirmation Sample 38	Total/NA	Solid	5035	
880-1712-39	Confirmation Sample 39	Total/NA	Solid	5035	
880-1712-40	Confirmation Sample 40	Total/NA	Solid	5035	
MB 880-2500/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2500/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2500/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1712-21 MS	Confirmation Sample 21	Total/NA	Solid	5035	
880-1712-21 MSD	Confirmation Sample 21	Total/NA	Solid	5035	

Analysis Batch: 2529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-21	Confirmation Sample 21	Total/NA	Solid	8021B	2500
880-1712-22	Confirmation Sample 22	Total/NA	Solid	8021B	2500
880-1712-23	Confirmation Sample 23	Total/NA	Solid	8021B	2500
880-1712-24	Confirmation Sample 24	Total/NA	Solid	8021B	2500
880-1712-25	Confirmation Sample 25	Total/NA	Solid	8021B	2500
880-1712-26	Confirmation Sample 26	Total/NA	Solid	8021B	2500
880-1712-27	Confirmation Sample 27	Total/NA	Solid	8021B	2500
880-1712-28	Confirmation Sample 28	Total/NA	Solid	8021B	2500
880-1712-29	Confirmation Sample 29	Total/NA	Solid	8021B	2500
880-1712-30	Confirmation Sample 30	Total/NA	Solid	8021B	2500
880-1712-31	Confirmation Sample 31	Total/NA	Solid	8021B	2500
880-1712-32	Confirmation Sample 32	Total/NA	Solid	8021B	2500
880-1712-33	Confirmation Sample 33	Total/NA	Solid	8021B	2500
880-1712-34	Confirmation Sample 34	Total/NA	Solid	8021B	2500
880-1712-35	Confirmation Sample 35	Total/NA	Solid	8021B	2500
880-1712-36	Confirmation Sample 36	Total/NA	Solid	8021B	2500
880-1712-37	Confirmation Sample 37	Total/NA	Solid	8021B	2500
880-1712-38	Confirmation Sample 38	Total/NA	Solid	8021B	2500
880-1712-39	Confirmation Sample 39	Total/NA	Solid	8021B	2500
880-1712-40	Confirmation Sample 40	Total/NA	Solid	8021B	2500
MB 880-2460/5-A	Method Blank	Total/NA	Solid	8021B	2460
MB 880-2500/5-A	Method Blank	Total/NA	Solid	8021B	2500
LCS 880-2500/1-A	Lab Control Sample	Total/NA	Solid	8021B	2500
LCSD 880-2500/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2500
880-1712-21 MS	Confirmation Sample 21	Total/NA	Solid	8021B	2500
880-1712-21 MSD	Confirmation Sample 21	Total/NA	Solid	8021B	2500

Analysis Batch: 2530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-41	Confirmation Sample 41	Total/NA	Solid	8021B	2531
880-1712-42	Confirmation Sample 42	Total/NA	Solid	8021B	2531
880-1712-43	Confirmation Sample 43	Total/NA	Solid	8021B	2531
880-1712-44	Confirmation Sample 44	Total/NA	Solid	8021B	2531
880-1712-45	Confirmation Sample 45	Total/NA	Solid	8021B	2531
880-1712-46	Confirmation Sample 46	Total/NA	Solid	8021B	2531
880-1712-47	Confirmation Sample 47	Total/NA	Solid	8021B	2531
880-1712-48	Confirmation Sample 48	Total/NA	Solid	8021B	2531
880-1712-49	Confirmation Sample 49	Total/NA	Solid	8021B	2531

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QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 2530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-50	Confirmation Sample 50	Total/NA	Solid	8021B	2531
MB 880-2531/5-A	Method Blank	Total/NA	Solid	8021B	2531
LCS 880-2531/1-A	Lab Control Sample	Total/NA	Solid	8021B	2531
LCSD 880-2531/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2531
880-1712-41 MS	Confirmation Sample 41	Total/NA	Solid	8021B	2531
880-1712-41 MSD	Confirmation Sample 41	Total/NA	Solid	8021B	2531

Prep Batch: 2531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-41	Confirmation Sample 41	Total/NA	Solid	5035	
880-1712-42	Confirmation Sample 42	Total/NA	Solid	5035	
880-1712-43	Confirmation Sample 43	Total/NA	Solid	5035	
880-1712-44	Confirmation Sample 44	Total/NA	Solid	5035	
880-1712-45	Confirmation Sample 45	Total/NA	Solid	5035	
880-1712-46	Confirmation Sample 46	Total/NA	Solid	5035	
880-1712-47	Confirmation Sample 47	Total/NA	Solid	5035	
880-1712-48	Confirmation Sample 48	Total/NA	Solid	5035	
880-1712-49	Confirmation Sample 49	Total/NA	Solid	5035	
880-1712-50	Confirmation Sample 50	Total/NA	Solid	5035	
MB 880-2531/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2531/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2531/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1712-41 MS	Confirmation Sample 41	Total/NA	Solid	5035	
880-1712-41 MSD	Confirmation Sample 41	Total/NA	Solid	5035	

Analysis Batch: 2544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Total/NA	Solid	8021B	2499
880-1712-2	Confirmation Sample 2	Total/NA	Solid	8021B	2499
880-1712-3	Confirmation Sample 3	Total/NA	Solid	8021B	2499
880-1712-4	Confirmation Sample 4	Total/NA	Solid	8021B	2499
880-1712-5	Confirmation Sample 5	Total/NA	Solid	8021B	2499
880-1712-6	Confirmation Sample 6	Total/NA	Solid	8021B	2499
880-1712-7	Confirmation Sample 7	Total/NA	Solid	8021B	2499
880-1712-8	Confirmation Sample 8	Total/NA	Solid	8021B	2499
880-1712-9	Confirmation Sample 9	Total/NA	Solid	8021B	2499
880-1712-10	Confirmation Sample 10	Total/NA	Solid	8021B	2499
880-1712-11	Confirmation Sample 11	Total/NA	Solid	8021B	2499
880-1712-12	Confirmation Sample 12	Total/NA	Solid	8021B	2499
880-1712-13	Confirmation Sample 13	Total/NA	Solid	8021B	2499
880-1712-14	Confirmation Sample 14	Total/NA	Solid	8021B	2499
880-1712-15	Confirmation Sample 15	Total/NA	Solid	8021B	2499
880-1712-16	Confirmation Sample 16	Total/NA	Solid	8021B	2499
880-1712-17	Confirmation Sample 17	Total/NA	Solid	8021B	2499
880-1712-18	Confirmation Sample 18	Total/NA	Solid	8021B	2499
880-1712-19	Confirmation Sample 19	Total/NA	Solid	8021B	2499
880-1712-20	Confirmation Sample 20	Total/NA	Solid	8021B	2499
MB 880-2461/5-A	Method Blank	Total/NA	Solid	8021B	2461
MB 880-2499/5-A	Method Blank	Total/NA	Solid	8021B	2499
LCS 880-2499/1-A	Lab Control Sample	Total/NA	Solid	8021B	2499
LCSD 880-2499/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2499

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 2544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1 MS	Confirmation Sample 1	Total/NA	Solid	8021B	2499
880-1712-1 MSD	Confirmation Sample 1	Total/NA	Solid	8021B	2499

GC Semi VOA

Prep Batch: 2481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Total/NA	Solid	8015NM Prep	
880-1712-2	Confirmation Sample 2	Total/NA	Solid	8015NM Prep	
880-1712-3	Confirmation Sample 3	Total/NA	Solid	8015NM Prep	
880-1712-4	Confirmation Sample 4	Total/NA	Solid	8015NM Prep	
880-1712-5	Confirmation Sample 5	Total/NA	Solid	8015NM Prep	
880-1712-6	Confirmation Sample 6	Total/NA	Solid	8015NM Prep	
880-1712-7	Confirmation Sample 7	Total/NA	Solid	8015NM Prep	
880-1712-8	Confirmation Sample 8	Total/NA	Solid	8015NM Prep	
880-1712-9	Confirmation Sample 9	Total/NA	Solid	8015NM Prep	
880-1712-10	Confirmation Sample 10	Total/NA	Solid	8015NM Prep	
880-1712-11	Confirmation Sample 11	Total/NA	Solid	8015NM Prep	
880-1712-12	Confirmation Sample 12	Total/NA	Solid	8015NM Prep	
880-1712-13	Confirmation Sample 13	Total/NA	Solid	8015NM Prep	
880-1712-14	Confirmation Sample 14	Total/NA	Solid	8015NM Prep	
880-1712-15	Confirmation Sample 15	Total/NA	Solid	8015NM Prep	
880-1712-16	Confirmation Sample 16	Total/NA	Solid	8015NM Prep	
880-1712-17	Confirmation Sample 17	Total/NA	Solid	8015NM Prep	
880-1712-18	Confirmation Sample 18	Total/NA	Solid	8015NM Prep	
880-1712-19	Confirmation Sample 19	Total/NA	Solid	8015NM Prep	
880-1712-20	Confirmation Sample 20	Total/NA	Solid	8015NM Prep	
MB 880-2481/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2481/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1712-1 MS	Confirmation Sample 1	Total/NA	Solid	8015NM Prep	
880-1712-1 MSD	Confirmation Sample 1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-41	Confirmation Sample 41	Total/NA	Solid	8015B NM	2490
880-1712-42	Confirmation Sample 42	Total/NA	Solid	8015B NM	2490
880-1712-43	Confirmation Sample 43	Total/NA	Solid	8015B NM	2490
880-1712-44	Confirmation Sample 44	Total/NA	Solid	8015B NM	2490
880-1712-45	Confirmation Sample 45	Total/NA	Solid	8015B NM	2490
880-1712-46	Confirmation Sample 46	Total/NA	Solid	8015B NM	2490
MB 880-2490/1-A	Method Blank	Total/NA	Solid	8015B NM	2490
LCS 880-2490/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2490
LCSD 880-2490/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2490
880-1712-41 MS	Confirmation Sample 41	Total/NA	Solid	8015B NM	2490
880-1712-41 MSD	Confirmation Sample 41	Total/NA	Solid	8015B NM	2490

Prep Batch: 2486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-21	Confirmation Sample 21	Total/NA	Solid	8015NM Prep	
880-1712-22	Confirmation Sample 22	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 2486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-23	Confirmation Sample 23	Total/NA	Solid	8015NM Prep	
880-1712-24	Confirmation Sample 24	Total/NA	Solid	8015NM Prep	
880-1712-25	Confirmation Sample 25	Total/NA	Solid	8015NM Prep	
880-1712-26	Confirmation Sample 26	Total/NA	Solid	8015NM Prep	
880-1712-27	Confirmation Sample 27	Total/NA	Solid	8015NM Prep	
880-1712-28	Confirmation Sample 28	Total/NA	Solid	8015NM Prep	
880-1712-29	Confirmation Sample 29	Total/NA	Solid	8015NM Prep	
880-1712-30	Confirmation Sample 30	Total/NA	Solid	8015NM Prep	
880-1712-31	Confirmation Sample 31	Total/NA	Solid	8015NM Prep	
880-1712-32	Confirmation Sample 32	Total/NA	Solid	8015NM Prep	
880-1712-33	Confirmation Sample 33	Total/NA	Solid	8015NM Prep	
880-1712-34	Confirmation Sample 34	Total/NA	Solid	8015NM Prep	
880-1712-35	Confirmation Sample 35	Total/NA	Solid	8015NM Prep	
880-1712-36	Confirmation Sample 36	Total/NA	Solid	8015NM Prep	
880-1712-37	Confirmation Sample 37	Total/NA	Solid	8015NM Prep	
880-1712-38	Confirmation Sample 38	Total/NA	Solid	8015NM Prep	
880-1712-39	Confirmation Sample 39	Total/NA	Solid	8015NM Prep	
880-1712-40	Confirmation Sample 40	Total/NA	Solid	8015NM Prep	
MB 880-2486/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2486/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2486/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1712-21 MS	Confirmation Sample 21	Total/NA	Solid	8015NM Prep	
880-1712-21 MSD	Confirmation Sample 21	Total/NA	Solid	8015NM Prep	

Prep Batch: 2490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-41	Confirmation Sample 41	Total/NA	Solid	8015NM Prep	
880-1712-42	Confirmation Sample 42	Total/NA	Solid	8015NM Prep	
880-1712-43	Confirmation Sample 43	Total/NA	Solid	8015NM Prep	
880-1712-44	Confirmation Sample 44	Total/NA	Solid	8015NM Prep	
880-1712-45	Confirmation Sample 45	Total/NA	Solid	8015NM Prep	
880-1712-46	Confirmation Sample 46	Total/NA	Solid	8015NM Prep	
MB 880-2490/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2490/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2490/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1712-41 MS	Confirmation Sample 41	Total/NA	Solid	8015NM Prep	
880-1712-41 MSD	Confirmation Sample 41	Total/NA	Solid	8015NM Prep	

Prep Batch: 2518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-47	Confirmation Sample 47	Total/NA	Solid	8015NM Prep	
880-1712-48	Confirmation Sample 48	Total/NA	Solid	8015NM Prep	
880-1712-49	Confirmation Sample 49	Total/NA	Solid	8015NM Prep	
880-1712-50	Confirmation Sample 50	Total/NA	Solid	8015NM Prep	
MB 880-2518/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2518/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2518/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-21	Confirmation Sample 21	Total/NA	Solid	8015B NM	2486

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 2589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-22	Confirmation Sample 22	Total/NA	Solid	8015B NM	2486
880-1712-23	Confirmation Sample 23	Total/NA	Solid	8015B NM	2486
880-1712-24	Confirmation Sample 24	Total/NA	Solid	8015B NM	2486
880-1712-25	Confirmation Sample 25	Total/NA	Solid	8015B NM	2486
880-1712-26	Confirmation Sample 26	Total/NA	Solid	8015B NM	2486
880-1712-27	Confirmation Sample 27	Total/NA	Solid	8015B NM	2486
880-1712-28	Confirmation Sample 28	Total/NA	Solid	8015B NM	2486
880-1712-29	Confirmation Sample 29	Total/NA	Solid	8015B NM	2486
880-1712-30	Confirmation Sample 30	Total/NA	Solid	8015B NM	2486
880-1712-31	Confirmation Sample 31	Total/NA	Solid	8015B NM	2486
880-1712-32	Confirmation Sample 32	Total/NA	Solid	8015B NM	2486
880-1712-33	Confirmation Sample 33	Total/NA	Solid	8015B NM	2486
880-1712-34	Confirmation Sample 34	Total/NA	Solid	8015B NM	2486
880-1712-35	Confirmation Sample 35	Total/NA	Solid	8015B NM	2486
880-1712-36	Confirmation Sample 36	Total/NA	Solid	8015B NM	2486
880-1712-37	Confirmation Sample 37	Total/NA	Solid	8015B NM	2486
880-1712-38	Confirmation Sample 38	Total/NA	Solid	8015B NM	2486
880-1712-39	Confirmation Sample 39	Total/NA	Solid	8015B NM	2486
880-1712-40	Confirmation Sample 40	Total/NA	Solid	8015B NM	2486
MB 880-2486/1-A	Method Blank	Total/NA	Solid	8015B NM	2486
LCS 880-2486/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2486
LCSD 880-2486/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2486
880-1712-21 MS	Confirmation Sample 21	Total/NA	Solid	8015B NM	2486
880-1712-21 MSD	Confirmation Sample 21	Total/NA	Solid	8015B NM	2486

Analysis Batch: 2591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Total/NA	Solid	8015B NM	2481
880-1712-2	Confirmation Sample 2	Total/NA	Solid	8015B NM	2481
880-1712-3	Confirmation Sample 3	Total/NA	Solid	8015B NM	2481
880-1712-4	Confirmation Sample 4	Total/NA	Solid	8015B NM	2481
880-1712-5	Confirmation Sample 5	Total/NA	Solid	8015B NM	2481
880-1712-6	Confirmation Sample 6	Total/NA	Solid	8015B NM	2481
880-1712-7	Confirmation Sample 7	Total/NA	Solid	8015B NM	2481
880-1712-8	Confirmation Sample 8	Total/NA	Solid	8015B NM	2481
880-1712-9	Confirmation Sample 9	Total/NA	Solid	8015B NM	2481
880-1712-10	Confirmation Sample 10	Total/NA	Solid	8015B NM	2481
880-1712-11	Confirmation Sample 11	Total/NA	Solid	8015B NM	2481
880-1712-12	Confirmation Sample 12	Total/NA	Solid	8015B NM	2481
880-1712-13	Confirmation Sample 13	Total/NA	Solid	8015B NM	2481
880-1712-14	Confirmation Sample 14	Total/NA	Solid	8015B NM	2481
880-1712-15	Confirmation Sample 15	Total/NA	Solid	8015B NM	2481
880-1712-16	Confirmation Sample 16	Total/NA	Solid	8015B NM	2481
880-1712-17	Confirmation Sample 17	Total/NA	Solid	8015B NM	2481
880-1712-18	Confirmation Sample 18	Total/NA	Solid	8015B NM	2481
880-1712-19	Confirmation Sample 19	Total/NA	Solid	8015B NM	2481
880-1712-20	Confirmation Sample 20	Total/NA	Solid	8015B NM	2481
MB 880-2481/1-A	Method Blank	Total/NA	Solid	8015B NM	2481
LCS 880-2481/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2481
LCSD 880-2481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2481
880-1712-1 MS	Confirmation Sample 1	Total/NA	Solid	8015B NM	2481

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 2591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1 MSD	Confirmation Sample 1	Total/NA	Solid	8015B NM	2481

Analysis Batch: 2600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-47	Confirmation Sample 47	Total/NA	Solid	8015B NM	2518
880-1712-48	Confirmation Sample 48	Total/NA	Solid	8015B NM	2518
880-1712-49	Confirmation Sample 49	Total/NA	Solid	8015B NM	2518
880-1712-50	Confirmation Sample 50	Total/NA	Solid	8015B NM	2518
MB 880-2518/1-A	Method Blank	Total/NA	Solid	8015B NM	2518
LCS 880-2518/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2518
LCSD 880-2518/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2518

HPLC/IC

Leach Batch: 2489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Soluble	Solid	DI Leach	
880-1712-2	Confirmation Sample 2	Soluble	Solid	DI Leach	
880-1712-3	Confirmation Sample 3	Soluble	Solid	DI Leach	
880-1712-4	Confirmation Sample 4	Soluble	Solid	DI Leach	
880-1712-5	Confirmation Sample 5	Soluble	Solid	DI Leach	
880-1712-6	Confirmation Sample 6	Soluble	Solid	DI Leach	
880-1712-7	Confirmation Sample 7	Soluble	Solid	DI Leach	
880-1712-8	Confirmation Sample 8	Soluble	Solid	DI Leach	
880-1712-9	Confirmation Sample 9	Soluble	Solid	DI Leach	
880-1712-10	Confirmation Sample 10	Soluble	Solid	DI Leach	
880-1712-11	Confirmation Sample 11	Soluble	Solid	DI Leach	
880-1712-12	Confirmation Sample 12	Soluble	Solid	DI Leach	
880-1712-13	Confirmation Sample 13	Soluble	Solid	DI Leach	
880-1712-14	Confirmation Sample 14	Soluble	Solid	DI Leach	
MB 880-2489/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2489/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2489/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1712-8 MS	Confirmation Sample 8	Soluble	Solid	DI Leach	
880-1712-8 MSD	Confirmation Sample 8	Soluble	Solid	DI Leach	

Leach Batch: 2491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-15	Confirmation Sample 15	Soluble	Solid	DI Leach	
880-1712-16	Confirmation Sample 16	Soluble	Solid	DI Leach	
880-1712-17	Confirmation Sample 17	Soluble	Solid	DI Leach	
880-1712-18	Confirmation Sample 18	Soluble	Solid	DI Leach	
880-1712-19	Confirmation Sample 19	Soluble	Solid	DI Leach	
880-1712-20	Confirmation Sample 20	Soluble	Solid	DI Leach	
880-1712-21	Confirmation Sample 21	Soluble	Solid	DI Leach	
880-1712-22	Confirmation Sample 22	Soluble	Solid	DI Leach	
880-1712-23	Confirmation Sample 23	Soluble	Solid	DI Leach	
880-1712-24	Confirmation Sample 24	Soluble	Solid	DI Leach	
880-1712-25	Confirmation Sample 25	Soluble	Solid	DI Leach	
880-1712-26	Confirmation Sample 26	Soluble	Solid	DI Leach	
880-1712-27	Confirmation Sample 27	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 2491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-28	Confirmation Sample 28	Soluble	Solid	DI Leach	
880-1712-29	Confirmation Sample 29	Soluble	Solid	DI Leach	
880-1712-30	Confirmation Sample 30	Soluble	Solid	DI Leach	
880-1712-31	Confirmation Sample 31	Soluble	Solid	DI Leach	
880-1712-32	Confirmation Sample 32	Soluble	Solid	DI Leach	
880-1712-33	Confirmation Sample 33	Soluble	Solid	DI Leach	
880-1712-34	Confirmation Sample 34	Soluble	Solid	DI Leach	
MB 880-2491/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2491/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2491/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1712-15 MS	Confirmation Sample 15	Soluble	Solid	DI Leach	
880-1712-15 MSD	Confirmation Sample 15	Soluble	Solid	DI Leach	
880-1712-25 MS	Confirmation Sample 25	Soluble	Solid	DI Leach	
880-1712-25 MSD	Confirmation Sample 25	Soluble	Solid	DI Leach	

Leach Batch: 2492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-35	Confirmation Sample 35	Soluble	Solid	DI Leach	
880-1712-36	Confirmation Sample 36	Soluble	Solid	DI Leach	
MB 880-2492/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2492/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2492/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 2494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-37	Confirmation Sample 37	Soluble	Solid	DI Leach	
880-1712-38	Confirmation Sample 38	Soluble	Solid	DI Leach	
880-1712-39	Confirmation Sample 39	Soluble	Solid	DI Leach	
880-1712-40	Confirmation Sample 40	Soluble	Solid	DI Leach	
880-1712-41	Confirmation Sample 41	Soluble	Solid	DI Leach	
880-1712-42	Confirmation Sample 42	Soluble	Solid	DI Leach	
880-1712-43	Confirmation Sample 43	Soluble	Solid	DI Leach	
880-1712-44	Confirmation Sample 44	Soluble	Solid	DI Leach	
880-1712-45	Confirmation Sample 45	Soluble	Solid	DI Leach	
880-1712-46	Confirmation Sample 46	Soluble	Solid	DI Leach	
880-1712-47	Confirmation Sample 47	Soluble	Solid	DI Leach	
880-1712-48	Confirmation Sample 48	Soluble	Solid	DI Leach	
880-1712-49	Confirmation Sample 49	Soluble	Solid	DI Leach	
880-1712-50	Confirmation Sample 50	Soluble	Solid	DI Leach	
MB 880-2494/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2494/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2494/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1712-43 MS	Confirmation Sample 43	Soluble	Solid	DI Leach	
880-1712-43 MSD	Confirmation Sample 43	Soluble	Solid	DI Leach	

Analysis Batch: 2576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-1	Confirmation Sample 1	Soluble	Solid	300.0	2489
880-1712-2	Confirmation Sample 2	Soluble	Solid	300.0	2489
880-1712-3	Confirmation Sample 3	Soluble	Solid	300.0	2489
880-1712-4	Confirmation Sample 4	Soluble	Solid	300.0	2489

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 2576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-5	Confirmation Sample 5	Soluble	Solid	300.0	2489
880-1712-6	Confirmation Sample 6	Soluble	Solid	300.0	2489
880-1712-7	Confirmation Sample 7	Soluble	Solid	300.0	2489
880-1712-8	Confirmation Sample 8	Soluble	Solid	300.0	2489
880-1712-9	Confirmation Sample 9	Soluble	Solid	300.0	2489
880-1712-10	Confirmation Sample 10	Soluble	Solid	300.0	2489
880-1712-11	Confirmation Sample 11	Soluble	Solid	300.0	2489
880-1712-12	Confirmation Sample 12	Soluble	Solid	300.0	2489
880-1712-13	Confirmation Sample 13	Soluble	Solid	300.0	2489
880-1712-14	Confirmation Sample 14	Soluble	Solid	300.0	2489
MB 880-2489/1-A	Method Blank	Soluble	Solid	300.0	2489
LCS 880-2489/2-A	Lab Control Sample	Soluble	Solid	300.0	2489
LCSD 880-2489/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2489
880-1712-8 MS	Confirmation Sample 8	Soluble	Solid	300.0	2489
880-1712-8 MSD	Confirmation Sample 8	Soluble	Solid	300.0	2489

Analysis Batch: 2587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-15	Confirmation Sample 15	Soluble	Solid	300.0	2491
880-1712-16	Confirmation Sample 16	Soluble	Solid	300.0	2491
880-1712-17	Confirmation Sample 17	Soluble	Solid	300.0	2491
880-1712-18	Confirmation Sample 18	Soluble	Solid	300.0	2491
880-1712-19	Confirmation Sample 19	Soluble	Solid	300.0	2491
880-1712-20	Confirmation Sample 20	Soluble	Solid	300.0	2491
880-1712-21	Confirmation Sample 21	Soluble	Solid	300.0	2491
880-1712-22	Confirmation Sample 22	Soluble	Solid	300.0	2491
880-1712-23	Confirmation Sample 23	Soluble	Solid	300.0	2491
880-1712-24	Confirmation Sample 24	Soluble	Solid	300.0	2491
880-1712-25	Confirmation Sample 25	Soluble	Solid	300.0	2491
880-1712-26	Confirmation Sample 26	Soluble	Solid	300.0	2491
880-1712-27	Confirmation Sample 27	Soluble	Solid	300.0	2491
880-1712-28	Confirmation Sample 28	Soluble	Solid	300.0	2491
880-1712-29	Confirmation Sample 29	Soluble	Solid	300.0	2491
880-1712-30	Confirmation Sample 30	Soluble	Solid	300.0	2491
880-1712-31	Confirmation Sample 31	Soluble	Solid	300.0	2491
880-1712-32	Confirmation Sample 32	Soluble	Solid	300.0	2491
880-1712-33	Confirmation Sample 33	Soluble	Solid	300.0	2491
880-1712-34	Confirmation Sample 34	Soluble	Solid	300.0	2491
MB 880-2491/1-A	Method Blank	Soluble	Solid	300.0	2491
LCS 880-2491/2-A	Lab Control Sample	Soluble	Solid	300.0	2491
LCSD 880-2491/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2491
880-1712-15 MS	Confirmation Sample 15	Soluble	Solid	300.0	2491
880-1712-15 MSD	Confirmation Sample 15	Soluble	Solid	300.0	2491
880-1712-25 MS	Confirmation Sample 25	Soluble	Solid	300.0	2491
880-1712-25 MSD	Confirmation Sample 25	Soluble	Solid	300.0	2491

Analysis Batch: 2651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-35	Confirmation Sample 35	Soluble	Solid	300.0	2492
880-1712-36	Confirmation Sample 36	Soluble	Solid	300.0	2492
MB 880-2492/1-A	Method Blank	Soluble	Solid	300.0	2492

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 2651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-2492/2-A	Lab Control Sample	Soluble	Solid	300.0	2492
LCSD 880-2492/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2492

Analysis Batch: 2660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1712-37	Confirmation Sample 37	Soluble	Solid	300.0	2494
880-1712-38	Confirmation Sample 38	Soluble	Solid	300.0	2494
880-1712-39	Confirmation Sample 39	Soluble	Solid	300.0	2494
880-1712-40	Confirmation Sample 40	Soluble	Solid	300.0	2494
880-1712-41	Confirmation Sample 41	Soluble	Solid	300.0	2494
880-1712-42	Confirmation Sample 42	Soluble	Solid	300.0	2494
880-1712-43	Confirmation Sample 43	Soluble	Solid	300.0	2494
880-1712-44	Confirmation Sample 44	Soluble	Solid	300.0	2494
880-1712-45	Confirmation Sample 45	Soluble	Solid	300.0	2494
880-1712-46	Confirmation Sample 46	Soluble	Solid	300.0	2494
880-1712-47	Confirmation Sample 47	Soluble	Solid	300.0	2494
880-1712-48	Confirmation Sample 48	Soluble	Solid	300.0	2494
880-1712-49	Confirmation Sample 49	Soluble	Solid	300.0	2494
880-1712-50	Confirmation Sample 50	Soluble	Solid	300.0	2494
MB 880-2494/1-A	Method Blank	Soluble	Solid	300.0	2494
LCS 880-2494/2-A	Lab Control Sample	Soluble	Solid	300.0	2494
LCSD 880-2494/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2494
880-1712-43 MS	Confirmation Sample 43	Soluble	Solid	300.0	2494
880-1712-43 MSD	Confirmation Sample 43	Soluble	Solid	300.0	2494

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 1

Lab Sample ID: 880-1712-1

Date Collected: 04/28/21 09:30

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 02:02	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/01/21 22:38	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 06:33	CH	XM

Client Sample ID: Confirmation Sample 2

Lab Sample ID: 880-1712-2

Date Collected: 04/28/21 09:35

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 02:23	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/01/21 23:42	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 06:38	CH	XM

Client Sample ID: Confirmation Sample 3

Lab Sample ID: 880-1712-3

Date Collected: 04/28/21 09:40

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 02:43	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 00:02	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 06:54	CH	XM

Client Sample ID: Confirmation Sample 4

Lab Sample ID: 880-1712-4

Date Collected: 04/28/21 09:45

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 03:04	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 00:24	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:00	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 5

Lab Sample ID: 880-1712-5

Date Collected: 04/28/21 09:50

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 03:24	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 00:44	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:05	CH	XM

Client Sample ID: Confirmation Sample 6

Lab Sample ID: 880-1712-6

Date Collected: 04/28/21 09:55

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 03:44	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 01:05	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:10	CH	XM

Client Sample ID: Confirmation Sample 7

Lab Sample ID: 880-1712-7

Date Collected: 04/28/21 10:00

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 04:05	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 01:26	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:16	CH	XM

Client Sample ID: Confirmation Sample 8

Lab Sample ID: 880-1712-8

Date Collected: 04/28/21 10:05

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 04:25	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 01:47	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:21	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 9

Lab Sample ID: 880-1712-9

Date Collected: 04/28/21 10:10

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 04:46	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 02:08	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:37	CH	XM

Client Sample ID: Confirmation Sample 10

Lab Sample ID: 880-1712-10

Date Collected: 04/28/21 10:15

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 05:06	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 02:29	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:42	CH	XM

Client Sample ID: Confirmation Sample 11

Lab Sample ID: 880-1712-11

Date Collected: 04/28/21 10:20

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 06:29	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 03:12	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 07:59	CH	XM

Client Sample ID: Confirmation Sample 12

Lab Sample ID: 880-1712-12

Date Collected: 04/28/21 10:25

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 06:49	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 03:33	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 08:04	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 13

Lab Sample ID: 880-1712-13

Date Collected: 04/28/21 10:30

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 07:10	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 03:54	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 08:09	CH	XM

Client Sample ID: Confirmation Sample 14

Lab Sample ID: 880-1712-14

Date Collected: 04/28/21 10:35

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 07:30	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 04:15	AJ	XM
Soluble	Leach	DI Leach			2489	04/29/21 11:27	CH	XM
Soluble	Analysis	300.0		1	2576	05/01/21 08:15	CH	XM

Client Sample ID: Confirmation Sample 15

Lab Sample ID: 880-1712-15

Date Collected: 04/28/21 10:40

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 07:51	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 04:36	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 09:14	CH	XM

Client Sample ID: Confirmation Sample 16

Lab Sample ID: 880-1712-16

Date Collected: 04/28/21 10:45

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 08:11	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 04:57	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 09:30	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 17

Lab Sample ID: 880-1712-17

Date Collected: 04/28/21 10:50

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 08:32	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 05:18	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 09:35	CH	XM

Client Sample ID: Confirmation Sample 18

Lab Sample ID: 880-1712-18

Date Collected: 04/28/21 10:55

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 08:52	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 05:39	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 09:41	CH	XM

Client Sample ID: Confirmation Sample 19

Lab Sample ID: 880-1712-19

Date Collected: 04/28/21 11:00

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 09:13	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 06:00	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 09:46	CH	XM

Client Sample ID: Confirmation Sample 20

Lab Sample ID: 880-1712-20

Date Collected: 04/28/21 11:05

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2499	04/29/21 13:48	KL	XM
Total/NA	Analysis	8021B		1	2544	05/01/21 09:33	KL	XM
Total/NA	Prep	8015NM Prep			2481	04/29/21 10:51	DM	XM
Total/NA	Analysis	8015B NM		1	2591	05/02/21 06:22	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:02	CH	XM

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Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 21

Lab Sample ID: 880-1712-21

Date Collected: 04/28/21 11:10

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 01:08	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 22:38	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:07	CH	XM

Client Sample ID: Confirmation Sample 22

Lab Sample ID: 880-1712-22

Date Collected: 04/28/21 11:15

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 01:29	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/01/21 23:42	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:13	CH	XM

Client Sample ID: Confirmation Sample 23

Lab Sample ID: 880-1712-23

Date Collected: 04/28/21 11:20

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 01:49	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 00:02	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:18	CH	XM

Client Sample ID: Confirmation Sample 24

Lab Sample ID: 880-1712-24

Date Collected: 04/28/21 11:25

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 02:10	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 00:24	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:24	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 25

Lab Sample ID: 880-1712-25

Date Collected: 04/28/21 11:30

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 02:30	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 00:44	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:29	CH	XM

Client Sample ID: Confirmation Sample 26

Lab Sample ID: 880-1712-26

Date Collected: 04/28/21 11:35

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 02:51	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 01:05	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:45	CH	XM

Client Sample ID: Confirmation Sample 27

Lab Sample ID: 880-1712-27

Date Collected: 04/28/21 11:40

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 03:12	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 01:26	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 10:50	CH	XM

Client Sample ID: Confirmation Sample 28

Lab Sample ID: 880-1712-28

Date Collected: 04/28/21 11:45

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 03:32	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 01:47	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:07	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 29

Lab Sample ID: 880-1712-29

Date Collected: 04/28/21 11:50

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 03:53	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 02:08	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:12	CH	XM

Client Sample ID: Confirmation Sample 30

Lab Sample ID: 880-1712-30

Date Collected: 04/28/21 11:55

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 04:14	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 02:29	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:17	CH	XM

Client Sample ID: Confirmation Sample 31

Lab Sample ID: 880-1712-31

Date Collected: 04/28/21 12:00

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 05:37	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 03:12	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:23	CH	XM

Client Sample ID: Confirmation Sample 32

Lab Sample ID: 880-1712-32

Date Collected: 04/28/21 12:05

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 05:57	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 03:33	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:28	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 33

Lab Sample ID: 880-1712-33

Date Collected: 04/28/21 12:10

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 06:18	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 03:54	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:33	CH	XM

Client Sample ID: Confirmation Sample 34

Lab Sample ID: 880-1712-34

Date Collected: 04/28/21 12:15

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 06:39	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 04:15	AJ	XM
Soluble	Leach	DI Leach			2491	04/29/21 11:31	CH	XM
Soluble	Analysis	300.0		1	2587	05/01/21 11:39	CH	XM

Client Sample ID: Confirmation Sample 35

Lab Sample ID: 880-1712-35

Date Collected: 04/28/21 12:20

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 06:59	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 04:36	AJ	XM
Soluble	Leach	DI Leach			2492	04/29/21 11:34	CH	XM
Soluble	Analysis	300.0		1	2651	05/04/21 01:06	WP	XM

Client Sample ID: Confirmation Sample 36

Lab Sample ID: 880-1712-36

Date Collected: 04/28/21 12:25

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 07:20	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 04:57	AJ	XM
Soluble	Leach	DI Leach			2492	04/29/21 11:34	CH	XM
Soluble	Analysis	300.0		1	2651	05/04/21 01:11	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 37

Lab Sample ID: 880-1712-37

Date Collected: 04/28/21 12:30

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 07:41	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 05:18	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 02:28	WP	XM

Client Sample ID: Confirmation Sample 38

Lab Sample ID: 880-1712-38

Date Collected: 04/28/21 12:35

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 08:02	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 05:39	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 02:43	WP	XM

Client Sample ID: Confirmation Sample 39

Lab Sample ID: 880-1712-39

Date Collected: 04/28/21 12:40

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 08:22	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 06:00	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 02:49	WP	XM

Client Sample ID: Confirmation Sample 40

Lab Sample ID: 880-1712-40

Date Collected: 04/28/21 12:45

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2500	04/29/21 13:49	KL	XM
Total/NA	Analysis	8021B		1	2529	05/01/21 08:43	KL	XM
Total/NA	Prep	8015NM Prep			2486	04/29/21 11:09	DM	XM
Total/NA	Analysis	8015B NM		1	2589	05/02/21 06:22	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 02:54	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 41

Lab Sample ID: 880-1712-41

Date Collected: 04/28/21 12:50

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 13:33	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 23:59	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 02:59	WP	XM

Client Sample ID: Confirmation Sample 42

Lab Sample ID: 880-1712-42

Date Collected: 04/28/21 12:55

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 14:34	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/30/21 01:04	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:04	WP	XM

Client Sample ID: Confirmation Sample 43

Lab Sample ID: 880-1712-43

Date Collected: 04/28/21 13:00

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 14:54	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/30/21 01:26	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:09	WP	XM

Client Sample ID: Confirmation Sample 44

Lab Sample ID: 880-1712-44

Date Collected: 04/28/21 13:05

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 15:15	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/30/21 01:48	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:24	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 45

Lab Sample ID: 880-1712-45

Date Collected: 04/28/21 13:10

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 15:35	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/30/21 02:09	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:30	WP	XM

Client Sample ID: Confirmation Sample 46

Lab Sample ID: 880-1712-46

Date Collected: 04/28/21 13:15

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 15:56	MR	XM
Total/NA	Prep	8015NM Prep			2490	04/29/21 11:28	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/30/21 02:30	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:45	WP	XM

Client Sample ID: Confirmation Sample 47

Lab Sample ID: 880-1712-47

Date Collected: 04/28/21 13:20

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 16:34	MR	XM
Total/NA	Prep	8015NM Prep			2518	04/30/21 08:50	DM	XM
Total/NA	Analysis	8015B NM		1	2600	05/03/21 04:09	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:50	WP	XM

Client Sample ID: Confirmation Sample 48

Lab Sample ID: 880-1712-48

Date Collected: 04/28/21 13:25

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 16:55	MR	XM
Total/NA	Prep	8015NM Prep			2518	04/30/21 08:50	DM	XM
Total/NA	Analysis	8015B NM		1	2600	05/03/21 04:30	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 03:55	WP	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Client Sample ID: Confirmation Sample 49

Lab Sample ID: 880-1712-49

Date Collected: 04/28/21 13:30

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 18:45	MR	XM
Total/NA	Prep	8015NM Prep			2518	04/30/21 08:50	DM	XM
Total/NA	Analysis	8015B NM		1	2600	05/03/21 04:51	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 04:00	WP	XM

Client Sample ID: Confirmation Sample 50

Lab Sample ID: 880-1712-50

Date Collected: 04/28/21 13:35

Matrix: Solid

Date Received: 04/29/21 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2531	04/30/21 10:02	MR	XM
Total/NA	Analysis	8021B		1	2530	04/30/21 19:05	MR	XM
Total/NA	Prep	8015NM Prep			2518	04/30/21 08:50	DM	XM
Total/NA	Analysis	8015B NM		1	2600	05/03/21 05:12	AJ	XM
Soluble	Leach	DI Leach			2494	04/29/21 11:41	CH	XM
Soluble	Analysis	300.0		1	2660	05/04/21 04:06	WP	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Sample Summary

Client: American Safety Services Inc.
Project/Site: Contango - Welch RL State 18

Job ID: 880-1712-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-1712-1	Confirmation Sample 1	Solid	04/28/21 09:30	04/29/21 09:11	0' - 0.5'
880-1712-2	Confirmation Sample 2	Solid	04/28/21 09:35	04/29/21 09:11	0' - 0.5'
880-1712-3	Confirmation Sample 3	Solid	04/28/21 09:40	04/29/21 09:11	0' - 0.5'
880-1712-4	Confirmation Sample 4	Solid	04/28/21 09:45	04/29/21 09:11	0' - 0.5'
880-1712-5	Confirmation Sample 5	Solid	04/28/21 09:50	04/29/21 09:11	0' - 0.5'
880-1712-6	Confirmation Sample 6	Solid	04/28/21 09:55	04/29/21 09:11	0' - 0.5'
880-1712-7	Confirmation Sample 7	Solid	04/28/21 10:00	04/29/21 09:11	0' - 0.5'
880-1712-8	Confirmation Sample 8	Solid	04/28/21 10:05	04/29/21 09:11	0' - 0.5'
880-1712-9	Confirmation Sample 9	Solid	04/28/21 10:10	04/29/21 09:11	0' - 0.5'
880-1712-10	Confirmation Sample 10	Solid	04/28/21 10:15	04/29/21 09:11	0' - 0.5'
880-1712-11	Confirmation Sample 11	Solid	04/28/21 10:20	04/29/21 09:11	0' - 0.5'
880-1712-12	Confirmation Sample 12	Solid	04/28/21 10:25	04/29/21 09:11	0' - 0.5'
880-1712-13	Confirmation Sample 13	Solid	04/28/21 10:30	04/29/21 09:11	0' - 0.5'
880-1712-14	Confirmation Sample 14	Solid	04/28/21 10:35	04/29/21 09:11	0' - 0.5'
880-1712-15	Confirmation Sample 15	Solid	04/28/21 10:40	04/29/21 09:11	0' - 0.5'
880-1712-16	Confirmation Sample 16	Solid	04/28/21 10:45	04/29/21 09:11	0' - 0.5'
880-1712-17	Confirmation Sample 17	Solid	04/28/21 10:50	04/29/21 09:11	0' - 0.5'
880-1712-18	Confirmation Sample 18	Solid	04/28/21 10:55	04/29/21 09:11	0' - 0.5'
880-1712-19	Confirmation Sample 19	Solid	04/28/21 11:00	04/29/21 09:11	0' - 0.5'
880-1712-20	Confirmation Sample 20	Solid	04/28/21 11:05	04/29/21 09:11	0' - 0.5'
880-1712-21	Confirmation Sample 21	Solid	04/28/21 11:10	04/29/21 09:11	0' - 0.5'
880-1712-22	Confirmation Sample 22	Solid	04/28/21 11:15	04/29/21 09:11	0' - 0.5'
880-1712-23	Confirmation Sample 23	Solid	04/28/21 11:20	04/29/21 09:11	0' - 0.5'
880-1712-24	Confirmation Sample 24	Solid	04/28/21 11:25	04/29/21 09:11	0' - 0.5'
880-1712-25	Confirmation Sample 25	Solid	04/28/21 11:30	04/29/21 09:11	0' - 0.5'
880-1712-26	Confirmation Sample 26	Solid	04/28/21 11:35	04/29/21 09:11	0' - 0.5'
880-1712-27	Confirmation Sample 27	Solid	04/28/21 11:40	04/29/21 09:11	0' - 0.5'
880-1712-28	Confirmation Sample 28	Solid	04/28/21 11:45	04/29/21 09:11	0' - 0.5'
880-1712-29	Confirmation Sample 29	Solid	04/28/21 11:50	04/29/21 09:11	0' - 0.5'
880-1712-30	Confirmation Sample 30	Solid	04/28/21 11:55	04/29/21 09:11	0' - 0.5'
880-1712-31	Confirmation Sample 31	Solid	04/28/21 12:00	04/29/21 09:11	0' - 0.5'
880-1712-32	Confirmation Sample 32	Solid	04/28/21 12:05	04/29/21 09:11	0' - 0.5'
880-1712-33	Confirmation Sample 33	Solid	04/28/21 12:10	04/29/21 09:11	0' - 0.5'
880-1712-34	Confirmation Sample 34	Solid	04/28/21 12:15	04/29/21 09:11	0' - 0.5'
880-1712-35	Confirmation Sample 35	Solid	04/28/21 12:20	04/29/21 09:11	0' - 0.5'
880-1712-36	Confirmation Sample 36	Solid	04/28/21 12:25	04/29/21 09:11	0' - 0.5'
880-1712-37	Confirmation Sample 37	Solid	04/28/21 12:30	04/29/21 09:11	0' - 0.5'
880-1712-38	Confirmation Sample 38	Solid	04/28/21 12:35	04/29/21 09:11	0' - 0.5'
880-1712-39	Confirmation Sample 39	Solid	04/28/21 12:40	04/29/21 09:11	0' - 0.5'
880-1712-40	Confirmation Sample 40	Solid	04/28/21 12:45	04/29/21 09:11	0' - 0.5'
880-1712-41	Confirmation Sample 41	Solid	04/28/21 12:50	04/29/21 09:11	0' - 0.5'
880-1712-42	Confirmation Sample 42	Solid	04/28/21 12:55	04/29/21 09:11	0' - 0.5'
880-1712-43	Confirmation Sample 43	Solid	04/28/21 13:00	04/29/21 09:11	0' - 0.5'
880-1712-44	Confirmation Sample 44	Solid	04/28/21 13:05	04/29/21 09:11	0' - 0.5'
880-1712-45	Confirmation Sample 45	Solid	04/28/21 13:10	04/29/21 09:11	0' - 0.5'
880-1712-46	Confirmation Sample 46	Solid	04/28/21 13:15	04/29/21 09:11	0' - 0.5'
880-1712-47	Confirmation Sample 47	Solid	04/28/21 13:20	04/29/21 09:11	0' - 0.5'
880-1712-48	Confirmation Sample 48	Solid	04/28/21 13:25	04/29/21 09:11	0' - 0.5'
880-1712-49	Confirmation Sample 49	Solid	04/28/21 13:30	04/29/21 09:11	0' - 0.5'
880-1712-50	Confirmation Sample 50	Solid	04/28/21 13:35	04/29/21 09:11	0' - 0.5'

Eurofins Xenco, Midland



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

CHAIN OF CUSTODY

Page 1 Of 5

San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

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880-1712 Chain of Custody

Xenco Quote #

Xenco Job #

2171-088

Client / Reporting Information		Project Information		Analytical Information				Matrix Codes	
Company Name / Branch: American Safety Services Inc.		Project Name/Number		Conlango- Welch PL State 18				W = Water	
Company Address: 8715 Andrews Hwy Odessa Tx 79765		Project Location:						S = Soil/Sed/Solid	
Email: tfranklin@americansafety.net		Phone No: 432-557-9868		Invoice To:				GW =Ground Water	
Project Contact: Thomas Franklin		PO Number:		Eddy Co NM Steven Curtis lt.curtis@conlango.com				DW = Drinking Water	
Sampler's Name Miguel								P = Product	
								SW = Surface water	
								SL = Sludge	
								OW =Ocean/Sea Water	
								WI = Wipe	
								O = Oil	
								WW= Waste Water	

[illegible]

☐ 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		FED-EX / UPS Tracking #	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY			
Relinquished by Sampler	Date Time	Received By	Relinquished By
1	4/24/12 0900	1 <i>[Signature]</i>	2
Relinquished by	Date Time	Received By	Relinquished By
3		3	4
Relinquished by	Date Time	Received By	Relinquished By
5		5	4

Custody Seal #

Preserved where applicable

On Ice ☒

Thermo, Corr Factor

Cooper Trans *[Signature]*

Notable Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$75 will be applied to each project. Xencio's liability will be limited to the cost of samples. Any samples received by Xencio 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

Page 2 Of 5

San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

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Xenco Quote

Xenco Job #

[illegible]

CHAIN OF CUSTODY

Midland, Texas (432-704-5251)

www.xenco.com

Client / Reporting Information						Project Information						Analytical Information								Matrix Codes																			
Company Name / Branch American Safety Services Inc.						Project Name/Number: Contango - Welch RI State 18																																	
Company Address 8715 Andrews Hwy Odessa TX 79765						Project Location:																																	
Email tfranklin@americansafety.net						Phone No: 432-557-9868						Invoice To: Eddy Co NM Steven Curtis lc.curtis@contango.com																											
Project Contact: Thomas Franklin						PO Number:																																	
Sampler's Name Miguel																																							
No	Field ID / Point of Collection					Collection		# of bottles		Number of preserved bottles						TPH 8015M								Chloride 300.0				BTEX 8021B											
	Sample Depth	Date	Time	Matrix	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE																											
1	Confirmation Sample 21	0-0.5'	4/28/2021	1110	S	1							X	X	X	X																							
2	Confirmation Sample 22	0-0.5'	4/28/2021	1115	S	1							X	X	X	X																							
3	Confirmation Sample 23	0-0.5'	4/28/2021	1120	S	1							X	X	X	X																							
4	Confirmation Sample 24	0-0.5'	4/28/2021	1125	S	1							X	X	X	X																							
5	Confirmation Sample 25	0-0.5'	4/28/2021	1130	S	1							X	X	X	X																							
6	Confirmation Sample 26	0-0.5'	4/28/2021	1135	S	1							X	X	X	X																							
7	Confirmation Sample 27	0-0.5'	4/28/2021	1140	S	1							X	X	X	X																							
8	Confirmation Sample 28	0-0.5'	4/28/2021	1145	S	1							X	X	X	X																							
9	Confirmation Sample 29	0-0.5'	4/28/2021	1150	S	1							X	X	X	X																							
10	Confirmation Sample 30	0-0.5'	4/28/2021	1155	S	1							X	X	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																					
☐ 3 Day EMERGENCY						☐ TRRP Checklist																																	
TAT Starts Day received by Lab, if received by 5:00 pm																		FED-EX / UPS Tracking #																					
Relinquished by Sampler						Date Time: 4/28/21 0900						Received By: [Signature]						Date Time: 4/28/21 0900																					
Relinquished by:						Date Time:						Received By:						Date Time:																					
Relinquished by						Date Time:						Received By:						Date Time:																					
3						5						4						On Ice ☒						Cooler Temp. Thermo Corr Factor +0.5															



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 Stafford, Texas (281-240-4200)
 Dallas Texas (214-902-0300)

CHAIN OF CUSTODY

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San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

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Xenco Quote #

Xenco Job #

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes													
Company Name / Branch: American Safety Services Inc		Project Name/Number: Conlango- Welch RL State 18																	
Company Address: 8715 Andrews Hwy Odessa TX 79765		Project Location:																	
Email: tfranklin@americansafety.net		Invoice To: Eddy Co NM Steven Curtis																	
Phone No: 432-557-9868		PO Number: JC Curtis@conlango.com																	
Project Contact: Thomas Franklin																			
Sampler's Name: Miguel																			
No	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015M	Chloride 300.0	BTEX 8021B	Notes	Field Comments
1	Confirmation Sample 31	0'-0.5'	4/28/2021	1200	S	1									X	X	X		
2	Confirmation Sample 32	0'-0.5'	4/28/2021	1205	S	1									X	X	X		
3	Confirmation Sample 33	0'-0.5'	4/28/2021	1210	S	1									X	X	X		
4	Confirmation Sample 34	0'-0.5'	4/28/2021	1215	S	1									X	X	X		
5	Confirmation Sample 35	0'-0.5'	4/28/2021	1220	S	1									X	X	X		
6	Confirmation Sample 36	0'-0.5'	4/28/2021	1225	S	1									X	X	X		
7	Confirmation Sample 37	0'-0.5'	4/28/2021	1230	S	1									X	X	X		
8	Confirmation Sample 38	0'-0.5'	4/28/2021	1235	S	1									X	X	X		
9	Confirmation Sample 39	0'-0.5'	4/28/2021	1240	S	1									X	X	X		
10	Confirmation Sample 40	0'-0.5'	4/28/2021	1245	S	1									X	X	X		
Turnaround Time (Business days)																			
☐ Same Day TAT		☒ 5 Day TAT																	
☐ Next Day EMERGENCY		☐ 7 Day TAT																	
☐ 2 Day EMERGENCY		☐ Contract TAT																	
☐ 3 Day EMERGENCY																			
TAT Starts Day received by Lab, if received by 5:00 pm																			
Relinquished by Sampler: Miguel De Cerna		Date Time: 4/28/21 0900		Received By: [Signature]		Relinquished By: [Signature]		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:		Date Time:	
Relinquished by:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:		Date Time:	
Relinquished by:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:		Date Time:	
Notice: Signatures 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.																			



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Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

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Client / Reporting Information		Project Information		Analytical Information		Matrix Codes													
Company Name / Branch: American Safety Services Inc		Project Name/Number: Conlango- Welch RL State 18																	
Company Address: 8715 Andrews Hwy Odessa TX 79765		Project Location:																	
Email: lfranklin@americansafety.net		Invoice To: Eddy Co. NM Steven Curtis																	
Phone No: 432-557-9868		PO Number:																	
Project Contact: Thomas Franklin		IT.Curtis@conlango.com																	
Sampler's Name: Miguel																			
No	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015M	Chloride 300.0	BTEX 8021B	Notes	Field Comments
1	Confirmation Sample 41	0'-0.5'	4/28/2021	1250	S	1									X	X	X		
2	Confirmation Sample 42	0'-0.5'	4/28/2021	1255	S	1									X	X	X		
3	Confirmation Sample 43	0'-0.5'	4/28/2021	1300	S	1									X	X	X		
4	Confirmation Sample 44	0'-0.5'	4/28/2021	1305	S	1									X	X	X		
5	Confirmation Sample 45	0'-0.5'	4/28/2021	1310	S	1									X	X	X		
6	Confirmation Sample 46	0'-0.5'	4/28/2021	1315	S	1									X	X	X		
7	Confirmation Sample 47	0'-0.5'	4/28/2021	1320	S	1									X	X	X		
8	Confirmation Sample 48	0'-0.5'	4/28/2021	1325	S	1									X	X	X		
9	Confirmation Sample 49	0'-0.5'	4/28/2021	1330	S	1									X	X	X		
10	Confirmation Sample 50	0'-0.5'	4/28/2021	1335	S	1									X	X	X		
Turnaround Time (Business days)																			
☐ Same Day TAT		☒ 5 Day TAT																	
☐ Next Day EMERGENCY		☐ 7 Day TAT																	
☐ 2 Day EMERGENCY		☐ Contract TAT																	
☐ 3 Day EMERGENCY																			
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Relinquished by Sample #		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		Relinquished By		Date Time	
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TAT Starts Day received by Lab, if received by 5:00 pm																			
Relinquished by Sample #		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		Relinquished By		Date Time	
1		4/28/21 0900</																	

Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 880-1712-1

SDG Number: Eddy Co, NM

Login Number: 1712

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1583-1

Laboratory Sample Delivery Group: Eddy Co NM
Client Project/Site: Contango- Welch RL State 18

For:

American Safety Services Inc.
8715 Andrews Hwy
Odessa, Texas 79765

Attn: Thomas Franklin

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
11/22/2021 12:37:40 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Laboratory Job ID: 890-1583-1
SDG: Eddy Co NM

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Cover Page	1
Table of Contents	2
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Case Narrative	4
Client Sample Results	5
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	13
Lab Chronicle	15
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	22

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Definitions/Glossary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Job ID: 890-1583-1**Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative
890-1583-1****Receipt**

The samples were received on 11/17/2021 12:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-12655 and analytical batch 880-12606 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: Confirmation Sample 2 (890-1583-2), Confirmation Sample 3 (890-1583-3), Confirmation Sample 11 (890-1583-6), Confirmation Sample 40 (890-1583-7), Confirmation Sample 40 (890-1583-8) and (820-2604-A-1-E). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 2

Lab Sample ID: 890-1583-1

Date Collected: 11/17/21 10:00

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.0 - 0.5

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/21 15:27	11/19/21 02:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/21 15:27	11/19/21 02:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/21 15:27	11/19/21 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/18/21 15:27	11/19/21 02:03	1
o-Terphenyl	126		70 - 130				11/18/21 15:27	11/19/21 02:03	1

Client Sample ID: Confirmation Sample 2

Lab Sample ID: 890-1583-2

Date Collected: 11/17/21 10:05

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.5 - 1.0

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 02:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 02:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/18/21 15:27	11/19/21 02:25	1
o-Terphenyl	139	S1+	70 - 130				11/18/21 15:27	11/19/21 02:25	1

Client Sample ID: Confirmation Sample 3

Lab Sample ID: 890-1583-3

Date Collected: 11/17/21 10:10

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.0 - 0.5

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.6		49.9		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/21 15:27	11/19/21 02:47	1
Diesel Range Organics (Over C10-C28)	62.6		49.9		mg/Kg		11/18/21 15:27	11/19/21 02:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/21 15:27	11/19/21 02:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 3

Lab Sample ID: 890-1583-3

Date Collected: 11/17/21 10:10

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.0 - 0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	11/18/21 15:27	11/19/21 02:47	1
o-Terphenyl	134	S1+	70 - 130	11/18/21 15:27	11/19/21 02:47	1

Client Sample ID: Confirmation Sample 3

Lab Sample ID: 890-1583-4

Date Collected: 11/17/21 10:15

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.5 - 1.0

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				11/18/21 15:27	11/19/21 03:31	1
o-Terphenyl	121		70 - 130				11/18/21 15:27	11/19/21 03:31	1

Client Sample ID: Confirmation Sample 11

Lab Sample ID: 890-1583-5

Date Collected: 11/17/21 10:20

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.0 - 0.5

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/19/21 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/18/21 15:27	11/19/21 03:53	1
o-Terphenyl	113		70 - 130				11/18/21 15:27	11/19/21 03:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 11

Lab Sample ID: 890-1583-6

Date Collected: 11/17/21 10:25

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.5 - 1.0

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				11/18/21 10:54	11/18/21 20:08	1
o-Terphenyl	148	S1+	70 - 130				11/18/21 10:54	11/18/21 20:08	1

Client Sample ID: Confirmation Sample 40

Lab Sample ID: 890-1583-7

Date Collected: 11/17/21 10:30

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.0 - 0.5

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/21 10:54	11/18/21 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/18/21 10:54	11/18/21 20:31	1
o-Terphenyl	132	S1+	70 - 130				11/18/21 10:54	11/18/21 20:31	1

Client Sample ID: Confirmation Sample 40

Lab Sample ID: 890-1583-8

Date Collected: 11/17/21 10:35

Matrix: Solid

Date Received: 11/17/21 12:38

Sample Depth: 0.5 - 1.0

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/22/21 13:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/21 10:54	11/18/21 20:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/21 10:54	11/18/21 20:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/21 10:54	11/18/21 20:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 40
Date Collected: 11/17/21 10:35
Date Received: 11/17/21 12:38
Sample Depth: 0.5 - 1.0

Lab Sample ID: 890-1583-8
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	11/18/21 10:54	11/18/21 20:53	1
o-Terphenyl	143	S1+	70 - 130	11/18/21 10:54	11/18/21 20:53	1

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
820-2604-A-1-F MS	Matrix Spike	116	117
820-2604-A-1-G MSD	Matrix Spike Duplicate	130	127
880-8438-A-1-E MS	Matrix Spike	120	121
880-8438-A-1-F MSD	Matrix Spike Duplicate	125	122
890-1583-1	Confirmation Sample 2	110	126
890-1583-2	Confirmation Sample 2	121	139 S1+
890-1583-3	Confirmation Sample 3	116	134 S1+
890-1583-4	Confirmation Sample 3	105	121
890-1583-5	Confirmation Sample 11	102	113
890-1583-6	Confirmation Sample 11	127	148 S1+
890-1583-7	Confirmation Sample 40	118	132 S1+
890-1583-8	Confirmation Sample 40	124	143 S1+
LCS 880-12624/2-A	Lab Control Sample	113	114
LCS 880-12655/2-A	Lab Control Sample	120	128
LCSD 880-12624/3-A	Lab Control Sample Dup	95	96
LCSD 880-12655/3-A	Lab Control Sample Dup	94	98
MB 880-12624/1-A	Method Blank	107	123
MB 880-12655/1-A	Method Blank	111	130

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12624/1-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/21 10:54	11/18/21 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/21 10:54	11/18/21 11:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/21 10:54	11/18/21 11:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				11/18/21 10:54	11/18/21 11:19	1
o-Terphenyl	123		70 - 130				11/18/21 10:54	11/18/21 11:19	1

Lab Sample ID: LCS 880-12624/2-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1185		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	946.3		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	113		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-12624/3-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12624

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	882.9		mg/Kg		88	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: 880-8438-A-1-E MS

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	1578	F1	mg/Kg		158	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1190		mg/Kg		116	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-8438-A-1-E MS

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12624

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-8438-A-1-F MSD

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12624

	Sample	Sample	Spike	MSD	MSD				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1720	F1	mg/Kg		172	70 - 130	9
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1228		mg/Kg		119	70 - 130	3

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: MB 880-12655/1-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12655

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/18/21 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/18/21 21:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/21 15:27	11/18/21 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/18/21 15:27	11/18/21 21:36	1
o-Terphenyl	130		70 - 130				11/18/21 15:27	11/18/21 21:36	1

Lab Sample ID: LCS 880-12655/2-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12655

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1005		mg/Kg		101		70 - 130	

Eurofins Xenco, Carlsbad

QC Sample Results

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-12655/3-A

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	964.2		mg/Kg		96	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	886.8		mg/Kg		89	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	98		70 - 130						

Lab Sample ID: 820-2604-A-1-F MS

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 12655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1568	F1	mg/Kg		157	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1106		mg/Kg		109	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	117		70 - 130								

Lab Sample ID: 820-2604-A-1-G MSD

Matrix: Solid

Analysis Batch: 12606

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 12655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1765	F1	mg/Kg		177	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1243		mg/Kg		123	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	130		70 - 130								
o-Terphenyl	127		70 - 130								

Eurofins Xenco, Carlsbad

QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

GC Semi VOA

Analysis Batch: 12606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1583-1	Confirmation Sample 2	Total/NA	Solid	8015B NM	12655
890-1583-2	Confirmation Sample 2	Total/NA	Solid	8015B NM	12655
890-1583-3	Confirmation Sample 3	Total/NA	Solid	8015B NM	12655
890-1583-4	Confirmation Sample 3	Total/NA	Solid	8015B NM	12655
890-1583-5	Confirmation Sample 11	Total/NA	Solid	8015B NM	12655
890-1583-6	Confirmation Sample 11	Total/NA	Solid	8015B NM	12624
890-1583-7	Confirmation Sample 40	Total/NA	Solid	8015B NM	12624
890-1583-8	Confirmation Sample 40	Total/NA	Solid	8015B NM	12624
MB 880-12624/1-A	Method Blank	Total/NA	Solid	8015B NM	12624
MB 880-12655/1-A	Method Blank	Total/NA	Solid	8015B NM	12655
LCS 880-12624/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12624
LCS 880-12655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12655
LCSD 880-12624/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12624
LCSD 880-12655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12655
820-2604-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	12655
820-2604-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12655
880-8438-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	12624
880-8438-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12624

Prep Batch: 12624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1583-6	Confirmation Sample 11	Total/NA	Solid	8015NM Prep	
890-1583-7	Confirmation Sample 40	Total/NA	Solid	8015NM Prep	
890-1583-8	Confirmation Sample 40	Total/NA	Solid	8015NM Prep	
MB 880-12624/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12624/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12624/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8438-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8438-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 12655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1583-1	Confirmation Sample 2	Total/NA	Solid	8015NM Prep	
890-1583-2	Confirmation Sample 2	Total/NA	Solid	8015NM Prep	
890-1583-3	Confirmation Sample 3	Total/NA	Solid	8015NM Prep	
890-1583-4	Confirmation Sample 3	Total/NA	Solid	8015NM Prep	
890-1583-5	Confirmation Sample 11	Total/NA	Solid	8015NM Prep	
MB 880-12655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-2604-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-2604-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1583-1	Confirmation Sample 2	Total/NA	Solid	8015 NM	
890-1583-2	Confirmation Sample 2	Total/NA	Solid	8015 NM	
890-1583-3	Confirmation Sample 3	Total/NA	Solid	8015 NM	
890-1583-4	Confirmation Sample 3	Total/NA	Solid	8015 NM	
890-1583-5	Confirmation Sample 11	Total/NA	Solid	8015 NM	
890-1583-6	Confirmation Sample 11	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 12781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1583-7	Confirmation Sample 40	Total/NA	Solid	8015 NM	
890-1583-8	Confirmation Sample 40	Total/NA	Solid	8015 NM	

1

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Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 1

Lab Sample ID: 80- 72M8x72

Date Collecte/ : 2293912 2- :-

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12655	11/18/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/19/21 02:03	AJ	XEN MID

Client Sample ID: Confirmation Sample 1

Lab Sample ID: 80- 72M8x71

Date Collecte/ : 2293912 2- :- M

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12655	11/18/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/19/21 02:25	AJ	XEN MID

Client Sample ID: Confirmation Sample x

Lab Sample ID: 80- 72M8x7x

Date Collecte/ : 2293912 2- :2-

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12655	11/18/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/19/21 02:47	AJ	XEN MID

Client Sample ID: Confirmation Sample x

Lab Sample ID: 80- 72M8x75

Date Collecte/ : 2293912 2- :2M

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12655	11/18/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/19/21 03:31	AJ	XEN MID

Client Sample ID: Confirmation Sample 22

Lab Sample ID: 80- 72M8x7M

Date Collecte/ : 2293912 2- :1-

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12655	11/18/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/19/21 03:53	AJ	XEN MID

Client Sample ID: Confirmation Sample 22

Lab Sample ID: 80- 72M8x76

Date Collecte/ : 2293912 2- :1M

d atri4: Soli/

Date Receive/ : 2293912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Client Sample ID: Confirmation Sample 22

Lab Sample ID: 80- 72M8x76

Date Collecte/ : 22923912 2- :1M

d atri4: Soli/

Date Receive/ : 22923912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12624	11/18/21 10:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/18/21 20:08	AJ	XEN MID

Client Sample ID: Confirmation Sample 5-

Lab Sample ID: 80- 72M8x73

Date Collecte/ : 22923912 2- :x-

d atri4: Soli/

Date Receive/ : 22923912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12624	11/18/21 10:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/18/21 20:31	AJ	XEN MID

Client Sample ID: Confirmation Sample 5-

Lab Sample ID: 80- 72M8x73

Date Collecte/ : 22923912 2- :xM

d atri4: Soli/

Date Receive/ : 22923912 21:x8

Prep Type	Batch Type	Batch d etho/	Run	Dil Nactor	Initial Amount	Ninal Amount	Batch Fumber	Prepare/ or Analyze/	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12781	11/22/21 13:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12624	11/18/21 10:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12606	11/18/21 20:53	AJ	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: American Safety Services Inc.
Project/Site: Contango- Welch RL State 18

Job ID: 890-1583-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1583-1	Confirmation Sample 2	Solid	11/17/21 10:00	11/17/21 12:38	0.0 - 0.5
890-1583-2	Confirmation Sample 2	Solid	11/17/21 10:05	11/17/21 12:38	0.5 - 1.0
890-1583-3	Confirmation Sample 3	Solid	11/17/21 10:10	11/17/21 12:38	0.0 - 0.5
890-1583-4	Confirmation Sample 3	Solid	11/17/21 10:15	11/17/21 12:38	0.5 - 1.0
890-1583-5	Confirmation Sample 11	Solid	11/17/21 10:20	11/17/21 12:38	0.0 - 0.5
890-1583-6	Confirmation Sample 11	Solid	11/17/21 10:25	11/17/21 12:38	0.5 - 1.0
890-1583-7	Confirmation Sample 40	Solid	11/17/21 10:30	11/17/21 12:38	0.0 - 0.5
890-1583-8	Confirmation Sample 40	Solid	11/17/21 10:35	11/17/21 12:38	0.5 - 1.0



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

CHAIN OF CUSTODY

Page 1 of 1

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

www.xenco.com

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

Company Name / Branch:
 American Safety Services Inc.

Company Address:
 8715 Andrews Hwy
 Odessa Tx 79765

Email:
 franklin@americansafety.net

Phone No:
 432-557-9888

Project Contact:
 Thomas Franklin

Sample Name: Miguel

Project Information

Project Name/Number:
 Conlango - Welch RL State 18

Project Location:

Invoice To:
 Eddy Co. NM

Steven Curtis

PO Number:
 lc.curtis@conlango.com

No. Field ID / Point of Collection

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/HZn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	TPH 8015 M	Analytical Information	Matrix Codes
1	Confirmation Sample 2	0.0-0.5'	11/17/2021	1000	S	1								X		
2	Confirmation Sample 2	0.5-1.0'	11/17/2021	1005	S	1								X		
3	Confirmation Sample 3	0.0-0.5'	11/17/2021	1010	S	1								X		
4	Confirmation Sample 3	0.5-1.0'	11/17/2021	1015	S	1								X		
5	Confirmation Sample 11	0.0-0.5'	11/17/2021	1020	S	1								X		
6	Confirmation Sample 11	0.5-1.0'	11/17/2021	1025	S	1								X		
7	Confirmation Sample 40	0.0-0.5'	11/17/2021	1030	S	1								X		
8	Confirmation Sample 40	0.5-1.0'	11/17/2021	1035	S	1								X		
9																
10																

Turnaround Time (Business days)

Notes:

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

Next Day EMERGENCY ☐ 7 Day TAT ☐ Level III Std OC+ 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 BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler: Miguel Delatorre Date Time: 11/17/21 1240:00 Received By: CUE Date Time: 11/17/21 2:12

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

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

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

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

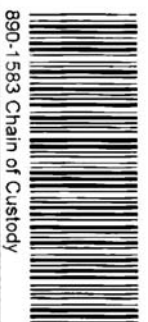
Relinquished by: Date Time: Received By: Date Time:

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

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

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

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



890-1583 Chain of Custody

Field Comments

On Ice ☒ Cooling Temp. Thermo-Corr. Factor

5 11/15/21 -0.2 TMM-004

Eurofins Xenco, Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America



Client Information (Sub Contract Lab)		Sampler	Lab PM Kramer Jessica	Carrier Tracking No(s)	COC No 890-5111				
Client Contact:		Phone	E-Mail jessica.kramer@eurofinset.com	State of Origin New Mexico	Page Page 1 of 1				
Shipping/Receiving		Accreditations Required (See note) NELAP - Texas							
Company Eurofins Xenco		Job #: 890-1583-1							
Address 1211 W Florida Ave		Preservation Codes							
City Midland		A - HCL M Hexane							
State, Zip TX 79701		B - NaOH N None							
Phone 432-704-5440(Tel)		C - Zn Acetate O AsNaO2							
Email		D - Nitric Acid P Na2O4S							
		E - NaHSO4 Q Na2SO3							
		F - MeOH R - Na2S2O3							
		G - Amchlor S H2SO4							
		H - Ascorbic Acid T TSP Dodecahydrate							
		I - Ice U Acetone							
		J - DI Water V MCAA							
		K - EDTA W pH 4.5							
		L - EDA Z other (specify)							
		Other							
Project Name Cimarex- Welch RL State 18		Total Number of Containers							
Site		Special Instructions/Note							
Due Date Requested 11/23/2021									
TAT Requested (days)									
PO #									
WO #									
Project # 88000479									
SSOW#									
Sample Date		Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep Full TPH	8016MOD_Calc	Analysis Requested
Sample Identification - Client ID (Lab ID)		10 00	Mountain	Solid	X	X			
Confirmation Sample 2 (890-1583-1)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 2 (890-1583-2)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 3 (890-1583-3)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 3 (890-1583-4)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 11 (890-1583-5)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 11 (890-1583-6)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 40 (890-1583-7)		11/17/21	Mountain	Solid	X	X			
Confirmation Sample 40 (890-1583-8)		11/17/21	Mountain	Solid	X	X			
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.									
Possible Hazard Identification Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months Special Instructions/QC Requirements									
Empty Kit Relinquished by Relinquished by Date/Time: Company Relinquished by Date/Time: Company Relinquished by Date/Time: Company Custody Seals Intact: Custody Seal No Δ Yes Δ No									
Time: Date Received by: Company Received by: Company Received by: Company Cooler Temperature(s) °C and Other Remarks									

Ver 06/08/2021

Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 890-1583-1

SDG Number: Eddy Co NM

Login Number: 1583

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 890-1583-1

SDG Number: Eddy Co NM

Login Number: 1583

List Number: 2

Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland

List Creation: 11/18/21 01:19 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



APPENDIX E

C-141

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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 <u>not</u> 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: <u>Stephen Curtis Jr</u>	Title: <u>Operations Support/Remediation Specialist</u>
Signature: <u>[Signature]</u>	Date: <u>4-5-21</u>
email: <u>Jr.Curtis@Contango.com</u>	Telephone: <u>575-420-8175</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Contango Oil & Gas Company	OGRID
Contact Name Steven Curtis	Contact Telephone (575) 420-8175
Contact email Jr.curtis@contango.com	Incident # <i>(assigned by OCD)</i>
Contact mailing address 717 Texas Ave., Suite 2900 Houston, Texas 77002	

Location of Release Source

Latitude **32.811204** Longitude **-104.188208**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Welch RL State 18	Site Type well pad
Date Release Discovered 3-25-2021	API# 30-015-40084

Unit Letter	Section	Township	Range	County
D	28	17S	28E	Eddy Co. NM

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

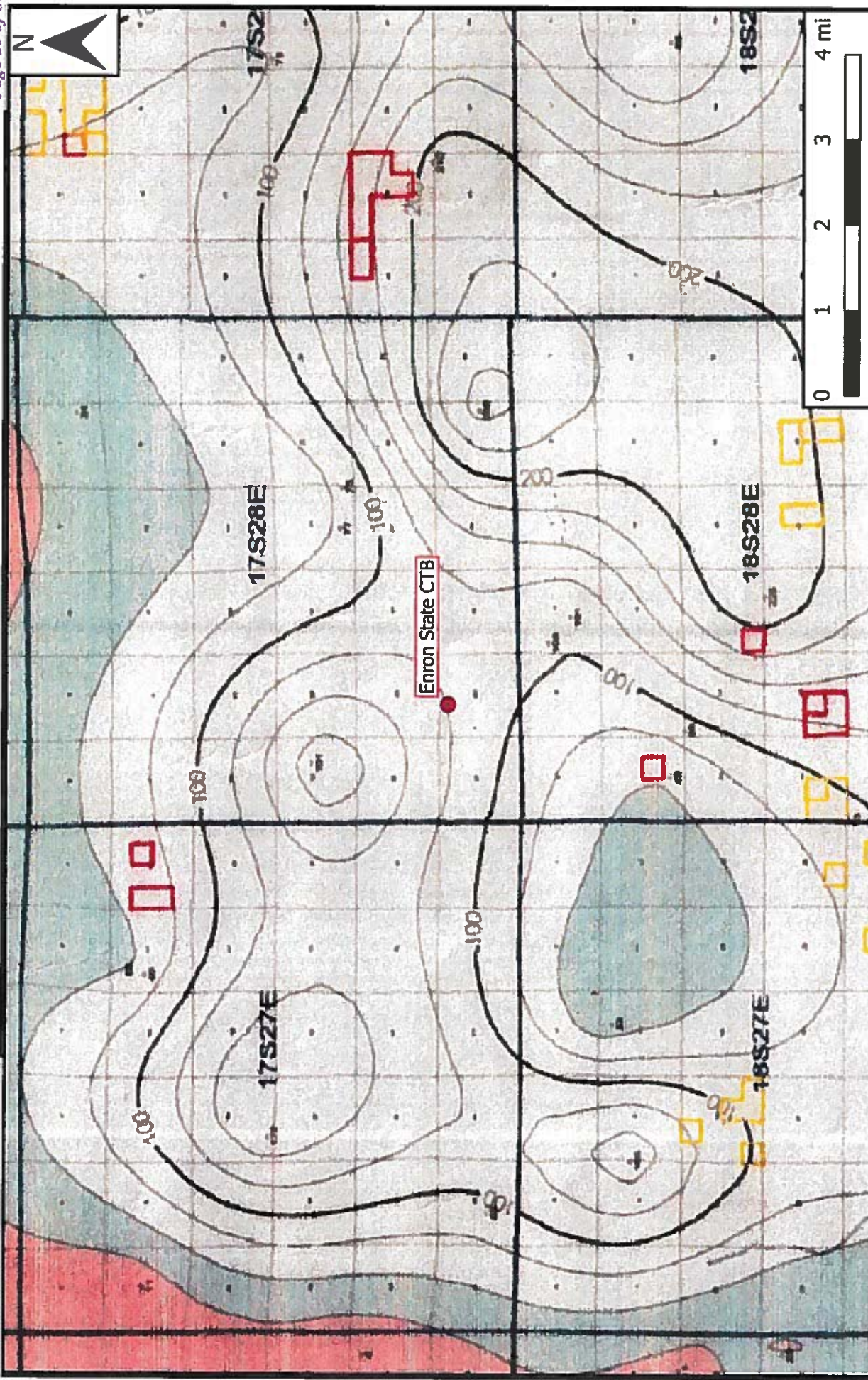
☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe)	Volume/Weight Released (provide units) 15 bbls	Volume/Weight Recovered (provide units) 10 bbls

Cause of Release: **Well was fraced into from a Spur location**



APPENDIX F

Groundwater



Legend

● Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Grizzly Energy, LLC

Enron State CTB

GPS: 32.795931, -104.199918

Eddy County



Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl

Date: 10/20/20



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 12456 POD1		RA	ED	1	4	4	24	17S	27E	572348	3630969	3266	220	92	128
RA 11857 POD1		RA	ED	1	1	2	05	18S	26E	577784	3625988	4123	235	95	140
RA 04561		RA	ED	4	2	26	17S	27E	570871	3630142*		4214	250		

Average Depth to Water: 93 feet

Minimum Depth: 92 feet

Maximum Depth: 95 feet

Record Count: 3

UTM NAD83 Radius Search (in meters):

Easting (X): 574912.92

Northing (Y): 3628947.52

Radius: 4830

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/20/20 1:28 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)	
		(quarters are smallest to largest)				X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng
	RA 04561	4	2	26	17S	27E	570871 3630142*
Driller License:		Driller Company:					
Driller Name:		OWEN HAYNES					
Drill Start Date:		Drill Finish Date:		Plug Date:			
Log File Date:		PCW Rev Date:		Source:			
Pump Type:		Pipe Discharge Size:		Estimated Yield:			
Casing Size:	7.00	Depth Well:		250 feet	Depth Water:		

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/20/20 1:28 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11857 POD1	1	1	2	05	18S	26E	577784	3625988 
Driller License: 1064		Driller Company:		DELFORD W. MARTIN					
Driller Name: MARTIN, DELFORD									
Drill Start Date: 09/25/2012		Drill Finish Date:		10/01/2012			Plug Date:		
Log File Date: 10/15/2012		PCW Rev Date:					Source:		Shallow
Pump Type:		Pipe Discharge Size:					Estimated Yield:		95 GPM
Casing Size: 5.00		Depth Well:		235 feet			Depth Water:		95 feet
Water Bearing Stratifications:				Top	Bottom	Description			
				95	130	Sandstone/Gravel/Conglomerate			
				160	235	Sandstone/Gravel/Conglomerate			
Casing Perforations:				Top	Bottom				
				140	235				

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/20/20 1:28 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)					(NAD83 UTM in meters)		
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12456 POD1	1	4	4	24	17S	27E	572348	3630969 
Driller License: 1058		Driller Company:		KEY'S DRILLING & PUMP SERVICE					
Driller Name: DON KUEHN III									
Drill Start Date: 09/07/2016		Drill Finish Date:		09/09/2016		Plug Date:			
Log File Date: 09/15/2016		PCW Rev Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	10 GPM
Casing Size: 4.50		Depth Well:		220 feet		Depth Water:		92 feet	
Water Bearing Stratifications:				Top	Bottom	Description			
				90	110	Sandstone/Gravel/Conglomerate			
				160	180	Shale/Mudstone/Siltstone			
				180	200	Sandstone/Gravel/Conglomerate			
				200	210	Sandstone/Gravel/Conglomerate			
				210	220	Sandstone/Gravel/Conglomerate			
Casing Perforations:				Top	Bottom				
				200	220				

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/20/20 1:28 PM

POINT OF DIVERSION SUMMARY

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 64207

CONDITIONS

Operator: Contango Resources, Inc. 717 Texas Ave. Houston, TX 77002	OGRID: 330447
	Action Number: 64207
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2109549534 WELCH RL STATE 18, thank you. This closure is approved.	4/19/2022