Page 1 of 157 NAPP2222463832

## Incident ID 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  | g items must be inc  | luded in the closure report.   |
|---|--|--|
| X A scaled site and sampling diagram as described in 19.15.29   | 9.11 NMAC  |  |
| X Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)   | os of the liner integ  | grity if applicable (Note: appropriate OCD District office   |
| Laboratory analyses of final sampling (Note: appropriate OI   | DC District office r   | nust be notified 2 days prior to final sampling)   |
| Description of remediation activities   |  |  |
|   |  |  |
| and regulations all operators are required to report and/or file certamay endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulatestore, reclaim, and re-vegetate the impacted surface area to the deaccordance with 19.15.29.13 NMAC including notification to the Printed Name:Dale Woodall | of a C-141 report by the remediate contamination of a C-141 report doubtions. The respondentiations that exist OCD when reclaim Title: EHS P Date: _3/8/2023 | y the OCD does not relieve the operator of liability lation that pose a threat to groundwater, surface water, ones not relieve the operator of responsibility for ensible party acknowledges they must substantially sted prior to the release or their final land use in lation and re-vegetation are complete. |
| OCD Only  |  |  |
| Received by:Jocelyn Harimon   | Date:  | 03/08/2023   |
| Closure approval by the OCD does not relieve the responsible part<br>remediate contamination that poses a threat to groundwater, surfac<br>party of compliance with any other federal, state, or local laws and   | e water, human hea   |  |
| Closure Approved by: Robert Hamlet  | Date:  | 07/12/2023   |
| Printed Name: Robert Hamlet   | Title:   | Environmental Specialist - Advanced  |

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Incident ID NAPP222463832

Incident ID NAPP2222463832
District RP
Facility ID
Application ID

## **Site Assessment/Characterization**

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

| What is the shallowest depth to groundwater beneath the area affected by the release?   | <50 (ft bgs)           |
|---|------------------------|
| Did this release impact groundwater or surface water?   | Yes X No               |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | Yes No                 |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | Yes X No               |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | ☐ Yes ☒ No             |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?   | Yes X No               |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | Yes X No               |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | Yes X No               |
| Are the lateral extents of the release within 300 feet of a wetland?  | Yes X No               |
| Are the lateral extents of the release overlying a subsurface mine?   | ☐ Yes ☑ No             |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | Yes No                 |
| Are the lateral extents of the release within a 100-year floodplain?  | Yes No                 |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | Yes No                 |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.   | rtical extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report.  |                        |
| <ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>Boring or excavation logs</li> </ul> | ls.                    |
| Photographs including date and GIS information Topographic/Aerial maps  |                        |

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

X Laboratory data including chain of custody

Received by OCD: 3/8/2023 10:31:31 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

|                | rage 5 of 15   |
|----------------|----------------|
| Incident ID    | NAPP2222463832 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In |
|---|--|
| Printed Name:Dale Woodall   | Title: _EHS Professional   |
| Signature: Dals Woodall   | Date: <u>3/8/2023</u>  |
| email:dale.woodall@dvn.com  | Telephone:575-748-1838   |
|   |  |
| OCD Only  |  |
| Received by: Jocelyn Harimon  | Date:03/08/2023  |
|   |  |

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| Incident ID    | NAPP2222463832 |
|----------------|----------------|
| 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.  |
|--|--|
| X A scaled site and sampling diagram as described in 19.15.29.   | .11 NMAC   |
| x Photographs of the remediated site prior to backfill or photo must be notified 2 days prior to liner inspection)   | s of the liner integrity if applicable (Note: appropriate OCD District office  |
| X Laboratory analyses of final sampling (Note: appropriate OD  | OC District office must be notified 2 days prior to final sampling)  |
| Description of remediation activities  |  |
|  |  |
| and regulations all operators are required to report and/or file certary may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reshuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the operation of the caccordance with 19.15.29.13 NMAC including notification to the caccordance with 19.15.29.13 NMAC in | lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.  Title: EHS Professional |
|  | <u> </u>   |
| OCD Only   |  |
| Received by:Jocelyn Harimon  | Date:03/08/2023  |
|  | y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.  |
| Closure Approved by:   | Date:  |
| Printed Name:  |  |



Pima Environmental Services 5614 N. Lovington Highway Hobbs, NM 88240 575-964-7740

January 6, 2023

NMOCD District 2 811 S. First Street Artesia, NM 88210

Re: Site Assessment and Closure Report

**Burton Flat Deep Unit 44 SWD Pad** 

API No. N/A

GPS: Latitude 32.511557 Longitude -104.180855

UL -- F, 3, T21S, R27E Eddy County, NM

NMOCD Ref. No. <u>NAPP2222463832</u>

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and submit this closure report for a produced water release that occurred at the Burton Flat Deep Unit 44 SWD Pad (Burton Flat). The initial C-141 was submitted on August 26, 2022 (Appendix C). This incident was assigned Incident ID NAPP2222463832 by the New Mexico Oil Conservation Division (NMOCD).

#### **Site Characterization**

The Burton Flat is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit F, Section 3, Township 21S, Range 27E, Latitude 32.511557 Longitude -104.180855, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. The soil in this area is made up of Reeves-Gypsum land complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class is well drained. There is a high potential for karst geology to be present around the Burton Flat (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 14 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 26 feet BGS. The closest waterway is Avalon Lake located approximately 3.77 miles to the northeast of this location. See Appendix A for referenced water surveys.

| Table 1 NMAC and Closure Criteria 19.15.29 |                      |             |             |          |          |  |  |  |  |  |  |  |
|--|----------------------|-------------|-------------|----------|----------|--|--|--|--|--|--|--|
| Depth to Groundwater                       | Constituent & Limits |             |             |          |          |  |  |  |  |  |  |  |
| (Appendix A)                               | Chlorides            | Total TPH   | GRO+DRO     | BTEX     | Benzene  |  |  |  |  |  |  |  |
| <50' (High Karst)                          | 600 mg/kg            | 100 mg/kg   |             | 50 mg/kg | 10 mg/kg |  |  |  |  |  |  |  |
| 51-100′                                    | 10,000 mg/kg         | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |  |  |  |  |  |  |  |
| >100′                                      | 20,000 mg/kg         | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |  |  |  |  |  |  |  |

Reference Figure 2 for a Topographic Map.

#### **Release Information**

<u>NAPP2222463832:</u> On August 12, 2022, a poly line developed a leak causing fluid release. Devon had a vacuum truck remove the standing fluid. The released fluids were calculated to be approximately 75 barrels (bbls) of produced water. Vacuum trucks were able to recover approximately 65 bbls of produced water.

#### Site Assessment and Soil Sampling Results

On August 30, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

8-30-22 Soil Sample Results

| NM          | NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') |                                |                  |              |              |              |                    |             |  |  |  |  |  |  |  |
|-------------|---|--------------------------------|------------------|--------------|--------------|--------------|--------------------|-------------|--|--|--|--|--|--|--|
|             | DEVON ENERGY - BURTON FLAT DEEP UNIT 44 SWD                                 |                                |                  |              |              |              |                    |             |  |  |  |  |  |  |  |
| Sample Date | : 8/30/22   | NM Approved Laboratory Results |                  |              |              |              |                    |             |  |  |  |  |  |  |  |
| Sample ID   | Depth<br>(BGS)  | BTEX<br>mg/kg                  | Benzene<br>mg/kg | GRO<br>mg/kg | DRO<br>mg/kg | MRO<br>mg/kg | Total TPH<br>mg/kg | Cl<br>mg/kg |  |  |  |  |  |  |  |
| BG 1        | 6"  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| BG 2        | 6"  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-1        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-2        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-3        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-4        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-5        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
| SW-6        | 1'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
|             | 3'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 739         |  |  |  |  |  |  |  |
| S-1         | 4'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 1240        |  |  |  |  |  |  |  |
|             | 5'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
|             | 3'  | ND                             | ND               | ND           | 242          | 389          | 631                | 3640        |  |  |  |  |  |  |  |
| S-2         | 4'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 1550        |  |  |  |  |  |  |  |
|             | 5'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
|             | 3'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 5090        |  |  |  |  |  |  |  |
| S-3         | 4'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 2350        |  |  |  |  |  |  |  |
|             | 5'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |
|             | 3'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 1740        |  |  |  |  |  |  |  |
| S-4         | 4'  | ND                             | ND               | ND           | ND           | ND           | 0                  | 2880        |  |  |  |  |  |  |  |
|             | 5'  | ND                             | ND               | ND           | ND           | ND           | 0                  | ND          |  |  |  |  |  |  |  |

ND- Analyte Not Detected

#### **Remediation Activities**

On December 10, 2022, the Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the areas from S-1 through S-4 to a depth of 5' BGS. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On December 17, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

12-17-22 Confirmation Samples Results

| NM             | NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 14') |          |            |          |            |           |           |          |  |  |  |  |
|----------------|--|----------|------------|----------|------------|-----------|-----------|----------|--|--|--|--|
|                | DI   | EVON ENI | ERGY - BUR | TON FLAT | DEEP UNI   | T 44 SWD  | )         |          |  |  |  |  |
| Sample Date    | : 12/17/22   |          |            | NM Appro | oved Labor | atory Res | ults      |          |  |  |  |  |
| Sample ID      | Depth  | BTEX     | Benzene    | GRO      | DRO        | MRO       | Total TPH | CI       |  |  |  |  |
| Sumple 15      | (BGS)  | mg/kg    | mg/kg      | mg/kg    | mg/kg      | mg/kg     | mg/kg     | mg/kg    |  |  |  |  |
| CS-1           | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-2           | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-3           | 5<br>5'  | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-4<br>CS-5   | 5'   | ND<br>ND | ND<br>ND   | ND<br>ND | ND<br>ND   | ND<br>ND  | 0         | ND<br>ND |  |  |  |  |
| CS-6           | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-7           | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-8           | 5  | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-9           | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-10          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-11          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-12          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-13          | 5  | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-14          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-15          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-16<br>CS-17 | 5'<br>5'   | ND<br>ND | ND<br>ND   | ND<br>ND | ND<br>ND   | ND<br>ND  | 0         | ND<br>ND |  |  |  |  |
| CS-17<br>CS-18 | 5  | ND       | ND         | ND       | ND         | ND        | 0         | 21.8     |  |  |  |  |
| CS-19          | 5'   | ND       | ND         | ND       | ND         | ND        | 0         | ND       |  |  |  |  |
| CS-20          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-21          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-22          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-23          | 5  | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-24          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-25          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-26          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-27          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-28          | 5  | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-29          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-30          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-31          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CS-32          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-1          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-2          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-3          | 5  | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-4          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-5          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-6          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-7          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-8          | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-9          | 5'   |          |            |          |            |           |           |          |  |  |  |  |
|                |  | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-10         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-11         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-12         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-13         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-14         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-15         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-16         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |
| CSW-17         | 5'   | ND       | ND         | ND       | ND         | ND        | ND        | ND       |  |  |  |  |

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

#### **Closure Request**

After careful review, Pima requests that this incident, NAPP2222463832 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or <a href="mailto:gio@pimaoil.com">gio@pimaoil.com</a>.

Respectfully,

Gio Gomez

Gio Gomez Project Manager Pima Environmental Services, LLC

#### **Attachments**

#### Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

#### Appendices:

Appendix A – Referenced Water Surveys

Appendix B - Soil Survey and Geological Data

Appendix C – C-141 Form and 48 Hour Notification

Appendix D - Photographic Documentation

Appendix E – Laboratory Reports



## Figures:

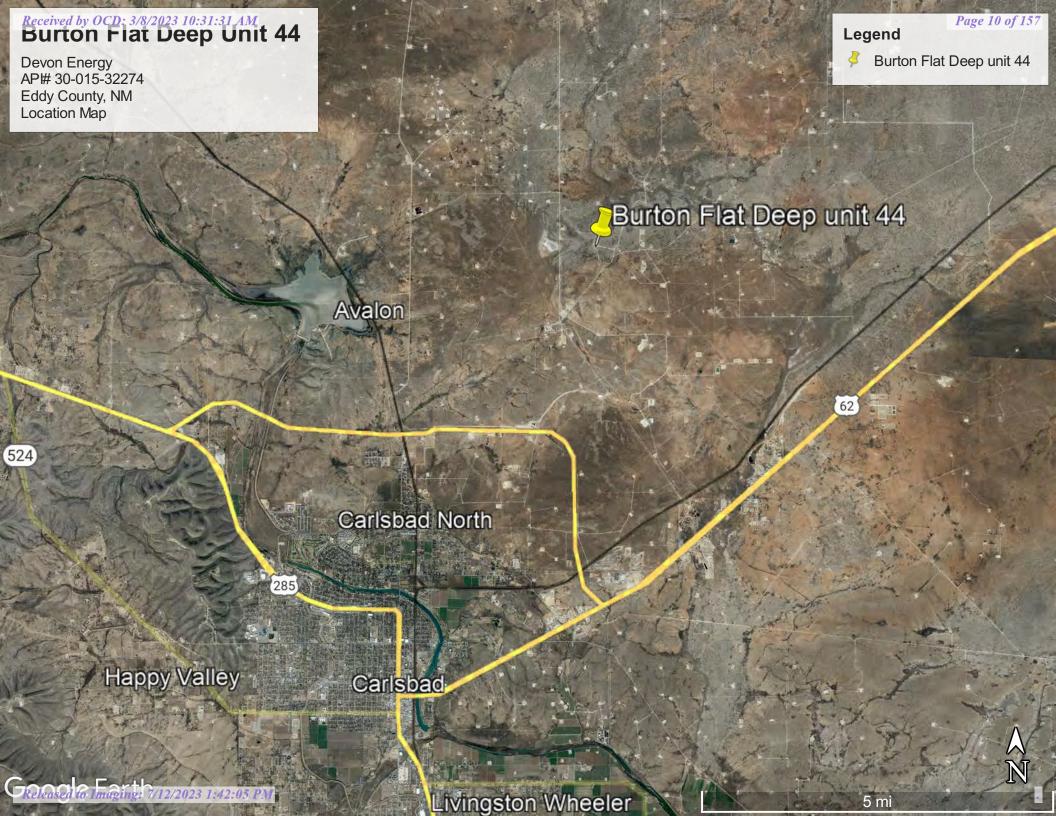
1-Location Map

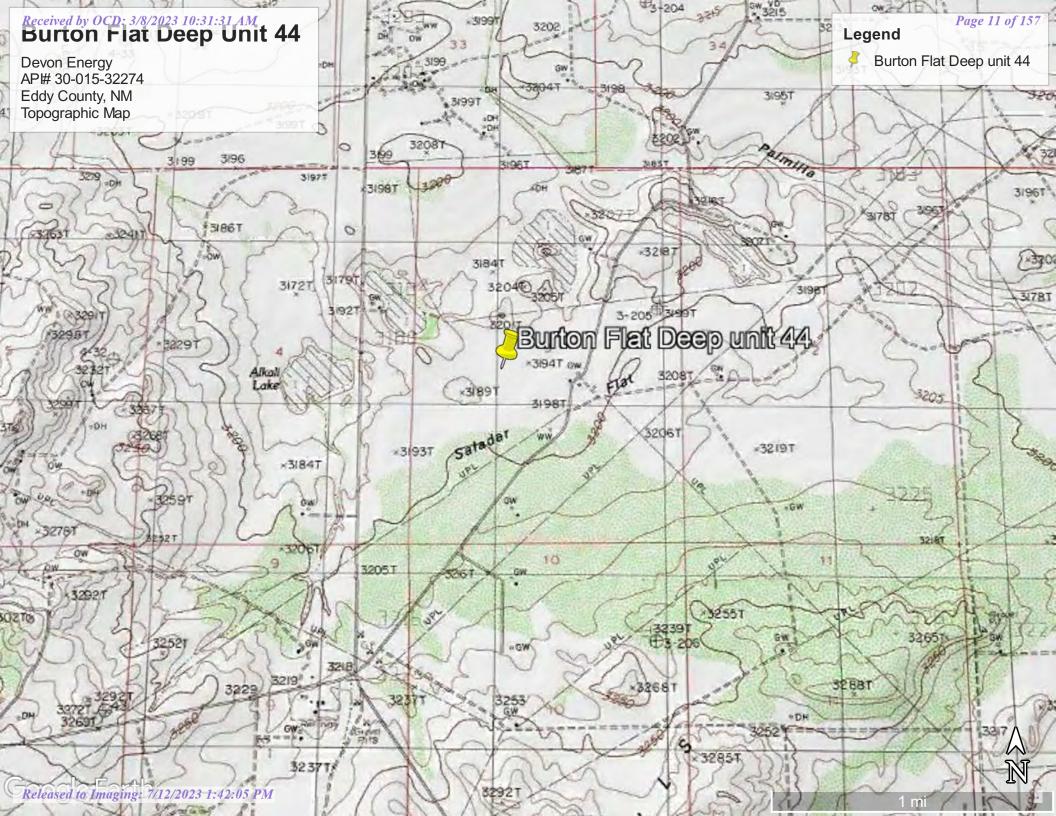
2-Topographic Map

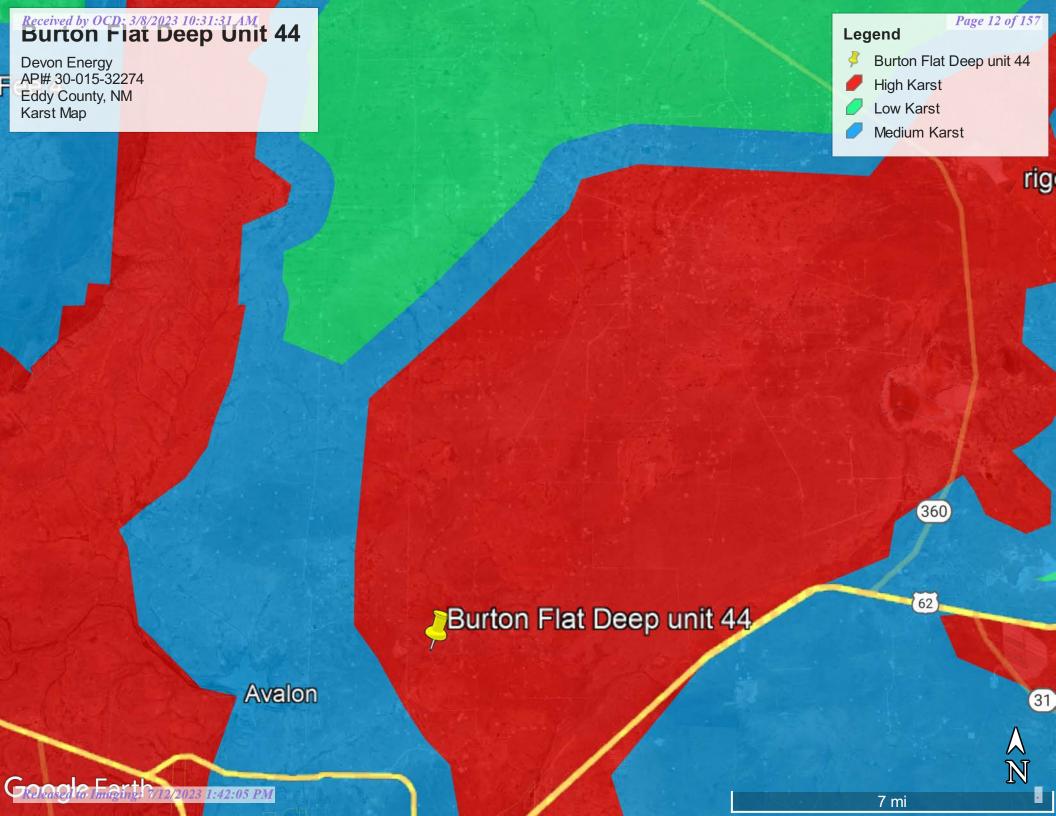
3-Karst Map

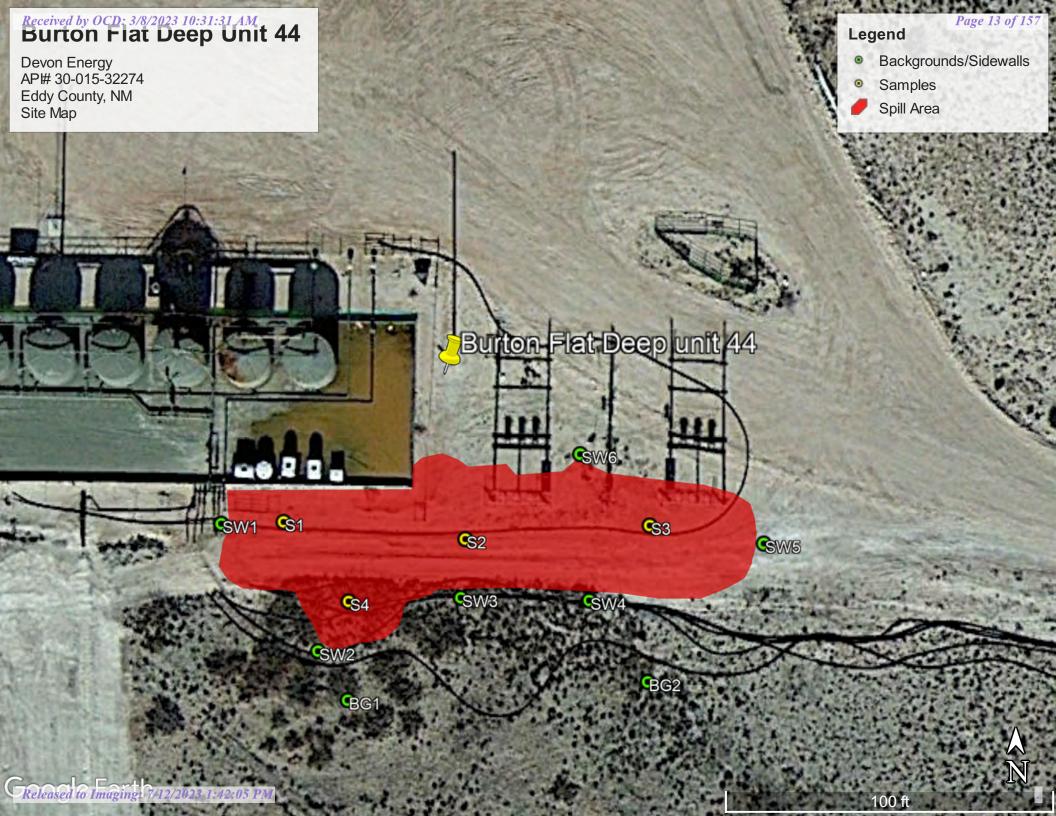
4-Site Map

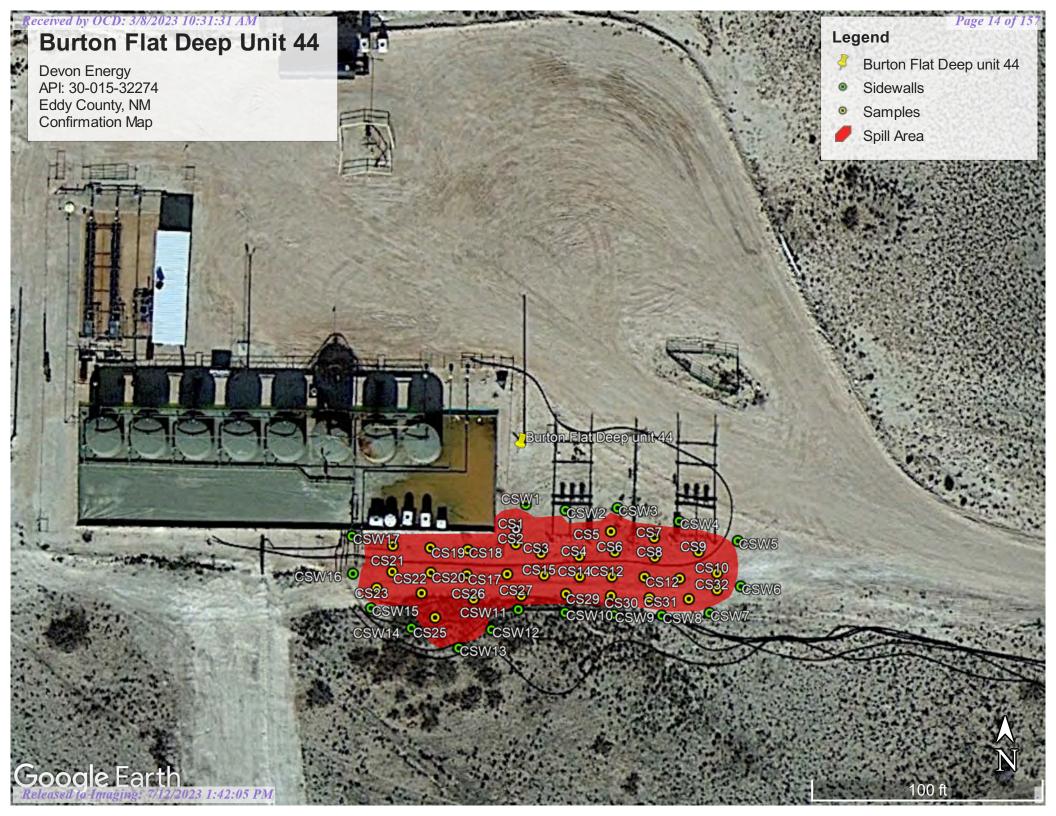
5-Confirmation Site Map













# Appendix A

Water Surveys:

OSE

**USGS** 

Surface Water Map



# 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

(quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in

(NAD83 UTM in meters) (In feet)

|                      | cioscaj |      |        | ` | (1 |   |    |     |     | B) (        |             | )          | (-         |     |       |
|----------------------|---------|------|--------|---|----|---|----|-----|-----|-------------|-------------|------------|------------|-----|-------|
|                      |         | POD  |        | _ | _  | _ |    |     |     |             |             |            |            |     |       |
| DOD N. I             | G 1     | Sub- |        | _ | Q  | _ |    | æ   | ъ   | <b>3</b> .7 | <b>3</b> .7 | D! ( D     | 41 337 115 |     | Water |
| POD Number           | Code    |      | County |   |    |   |    |     | _   | X           | Y           | DistanceDe | -          | •   |       |
| <u>C 02907</u>       |         | С    | ED     | 3 | 2  | I | 03 | 21S | 27E | 576959      | 3597669*    | 257        | 52         | 14  | 38    |
| <u>C 01142</u>       |         | C    | ED     | 3 | 1  | 4 | 03 | 21S | 27E | 577358      | 3596873*    | 659        | 100        |     |       |
| <u>CP 00922 POD1</u> |         | CP   | ED     | 2 | 3  | 3 | 33 | 20S | 28E | 576233      | 3598956*    | 1714       | 47         | 27  | 20    |
| <u>CP 00671</u>      |         | CP   | ED     |   | 1  | 3 | 33 | 20S | 28E | 576129      | 3599260*    | 2033       | 70         | 35  | 35    |
| <u>CP 00919 POD2</u> |         | CP   | ED     | 2 | 1  | 3 | 33 | 20S | 28E | 576318      | 3599357 🎒   | 2054       | 104        | 40  | 64    |
| <u>C 04425 POD17</u> |         | CUB  | ED     | 4 | 1  | 1 | 04 | 21S | 27E | 575054      | 3598173 🎒   | 2069       | 38         |     |       |
| <u>CP 00919 POD1</u> | R       | CP   | ED     | 2 | 1  | 3 | 33 | 20S | 28E | 576228      | 3599359*    | 2086       | 24         |     |       |
| <u>C 04425 POD13</u> |         | CUB  | ED     | 3 | 1  | 1 | 04 | 21S | 27E | 575059      | 3598259 🌕   | 2098       | 33         |     |       |
| <u>C 04425 POD18</u> |         | CUB  | ED     | 3 | 1  | 1 | 04 | 21S | 27E | 575011      | 3598207     | 2122       | 38         |     |       |
| C 04425 POD14        |         | CUB  | ED     | 3 | 1  | 1 | 04 | 21S | 27E | 575013      | 3598241     | 2133       | 37         |     |       |
| C 04425 POD16        |         | CUB  | ED     | 3 | 1  | 1 | 04 | 21S | 27E | 574954      | 3598094 🎒   | 2135       | 51         |     |       |
| <u>C 00469</u>       | C       | CUB  | ED     |   | 1  | 4 | 02 | 21S | 27E | 579078      | 3596994*    | 2141       | 767        |     |       |
| <u>C 04425 POD15</u> |         | CUB  | ED     | 3 | 1  | 1 | 04 | 21S | 27E | 574951      | 3598180 🎒   | 2167       | 47         |     |       |
| C 03690 POD1         |         | C    | ED     | 4 | 1  | 4 | 10 | 21S | 27E | 577482      | 3595179 🎒   | 2288       | 200        |     |       |
| <u>CP 00746 POD1</u> |         | CP   | ED     | 1 | 3  | 4 | 32 | 20S | 28E | 575229      | 3598948*    | 2327       | 70         | 29  | 41    |
| C 04505 POD1         |         | C    | ED     | 4 | 2  | 2 | 05 | 21S | 27E | 574808      | 3598305     | 2346       | 95         | 50  | 45    |
| <u>C 01339</u>       |         | CUB  | ED     |   | 1  | 4 | 09 | 21S | 27E | 575842      | 3595353*    | 2351       | 425        | 120 | 305   |
| <u>CP 00920 POD1</u> |         | CP   | ED     | 2 | 4  | 1 | 33 | 20S | 28E | 576627      | 3599766*    | 2380       | 47         | 29  | 18    |
| <u>CP 00923 POD1</u> |         | CP   | ED     | 2 | 4  | 1 | 33 | 20S | 28E | 576627      | 3599766*    | 2380       | 57         |     |       |

| C 04158 POD1         | C   | ED | 3 | 1 | 4 | 32 | 20S | 28E | 575207 | 3599055 🌑 | 2416 | 137 | 60  | 77 |
|----------------------|-----|----|---|---|---|----|-----|-----|--------|-----------|------|-----|-----|----|
| <u>CP 00921 POD1</u> | CP  | ED | 2 | 3 | 1 | 33 | 20S | 28E | 576223 | 3599763*  | 2469 | 52  | 30  | 22 |
| C 03525 POD2         | CUB | ED | 2 | 2 | 2 | 02 | 21S | 27E | 579676 | 3598362   | 2860 | 29  | 20  | 9  |
| <u>CP 01714 POD3</u> | CP  | ED | 4 | 2 | 2 | 32 | 20S | 28E | 575724 | 3599995   | 2871 | 160 | 107 | 53 |
| <u>C 01333</u>       | C   | ED | 1 | 1 | 4 | 05 | 21S | 27E | 574128 | 3597045*  | 2873 | 400 | 350 | 50 |
| C 03525 POD1         | CUB | ED | 1 | 1 | 1 | 01 | 21S | 27E | 579702 | 3598362   | 2884 | 31  | 20  | 11 |
| <u>C 03525 POD3</u>  | CUB | ED | 1 | 1 | 1 | 01 | 21S | 27E | 579728 | 3598332   | 2899 | 30  |     |    |
| <u>C 03525 POD4</u>  | CUB | ED | 1 | 1 | 1 | 01 | 21S | 27E | 579728 | 3598362   | 2909 | 29  |     |    |

Average Depth to Water:

66 feet

Minimum Depth:

14 feet

Maximum Depth:

350 feet

**Record Count:** 27

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 576978

**Northing (Y):** 3597411.92

**Radius: 3000** 

\*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.

9/1/22 4:46 PM

WATER COLUMN/ AVERAGE DEPTH TO

WATER



USGS Home Contact USGS Search USGS

## **National Water Information System: Web Interface**

**USGS Water Resources** 

| Data Category: | Geographic Area: |   |    |
|----------------|------------------|---|----|
| Groundwater    | United States    | ~ | GO |

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. Read more.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

site\_no list =

• 323029104103901

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 323029104103901 21S.27E.03.32244

Available data for this site Groundwater: Field measurements 

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

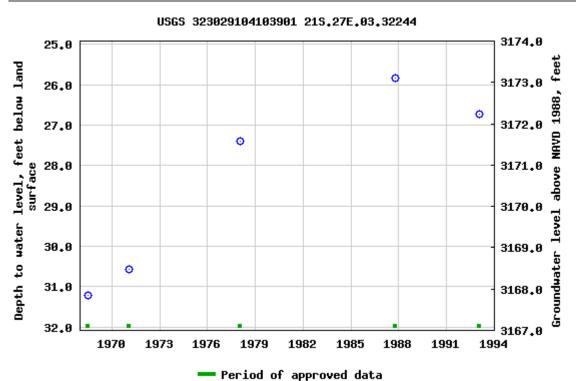
Latitude 32°30'29", Longitude 104°10'39" NAD27

Land-surface elevation 3,199 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

## **Output formats**

| Table of data      |  |
|--------------------|--|
| Tab-separated data |  |
| Graph of data      |  |
| Reselect period    |  |



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels** 

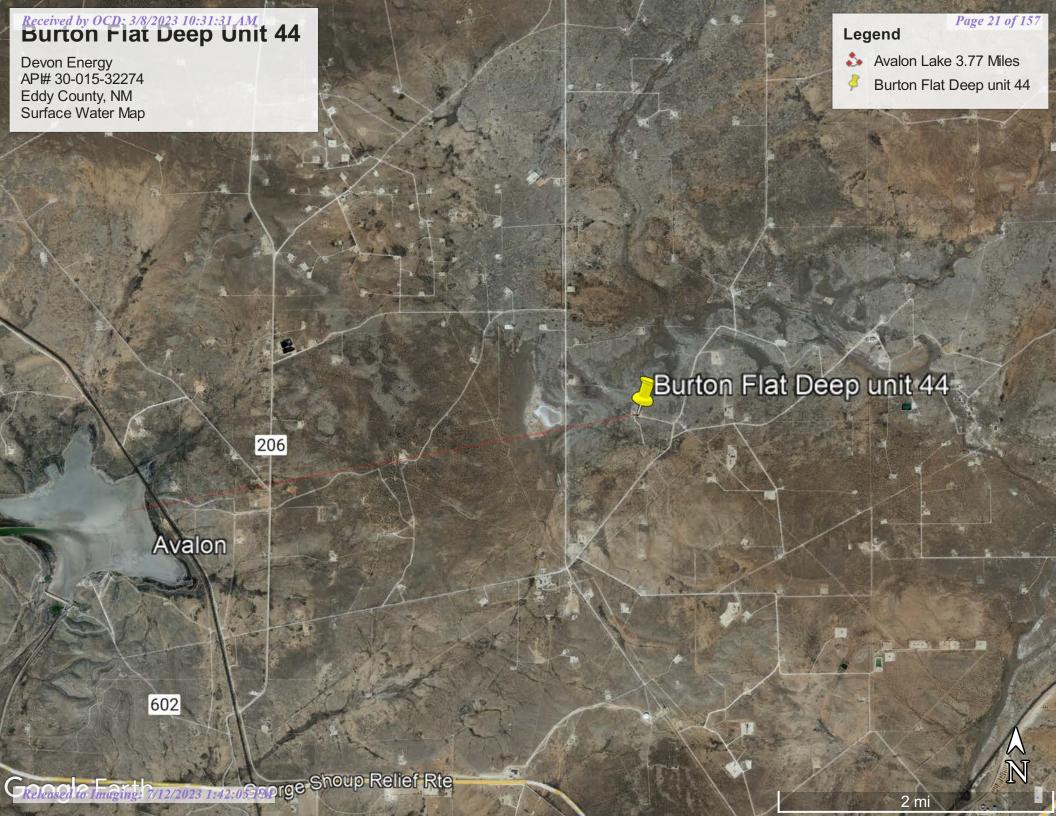
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-09-01 18:51:06 EDT

0.6 0.49 nadww01







# Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

## **Eddy Area, New Mexico**

## RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

#### **Map Unit Setting**

National map unit symbol: 1w5f Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

#### **Map Unit Composition**

Reeves and similar soils: 55 percent

Gypsum land: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

#### **Description of Reeves**

#### Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope,

footslope, toeslope

Landform position (three-dimensional): Side slope, crest, nose

slope, head slope Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

#### Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

#### **Properties and qualities**

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to

8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

#### Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

### **Description of Gypsum Land**

#### Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope,

footslope, toeslope

Landform position (three-dimensional): Side slope, crest, nose

slope, head slope Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

#### **Minor Components**

#### Largo

Percent of map unit: 5 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

#### Cottonwood

Percent of map unit: 5 percent

Ecological site: R042XC033NM - Salty Bottomland

Hydric soil rating: No

#### Reagan

Percent of map unit: 5 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

#### **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021

OReleasea To Imaging: 7/12/2023 P.42:05 PM

# National Flood Hazard Layer FIRMette



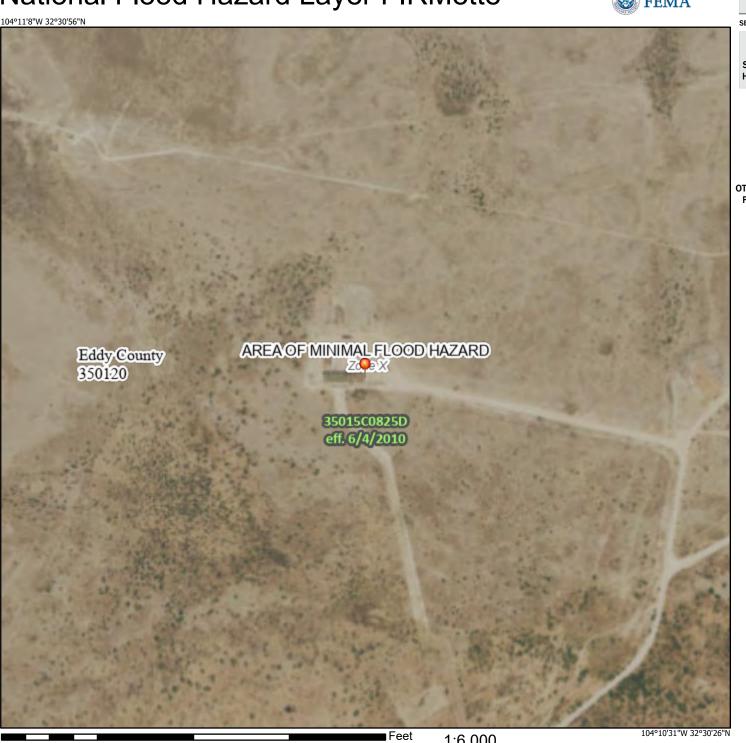


SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

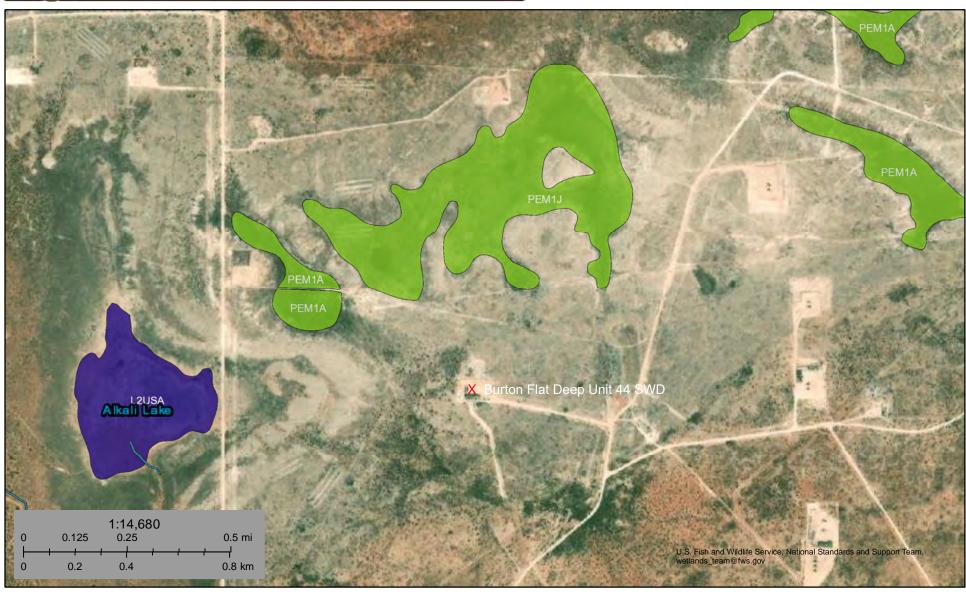
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/1/2022 at 6:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





# Wetlands Map



December 22, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake

Freshwater Forested/Shrub Wetland

Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# Appendix C

C-141 Form

48-Hour Notification

Responsible Party Devon Energy Production Company

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    | nAPP2222463832 |
|----------------|----------------|
| District RP    |                |
| Facility ID    |                |
| Application ID | _              |

# **Release Notification**

## **Responsible Party**

OGRID 6137

| Contact Name Dale Woodall          |   |                         |   | Contact To               | elephone elephone  |
|------------------------------------|---|-------------------------|---|--------------------------|--|
| Contact email Dale.Woodall@dvn.com |   |                         | n   | Incident #               | (assigned by OCD)  |
| Contact mail                       | Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 882 |                         | ia, NM 88210                              |                          |  |
|                                    |   |                         | Location                                  | of Release S             |  |
| Latitude 32                        | .51155  | 7                       |   | Longitude _              | -104.180855  |
|                                    |   |                         | (NAD 83 in dec                            | rimal degrees to 5 decir | mal places)  |
| Site Name Bu                       | ırton Flat  | Deep Unit 44 S          | WD Pad                                    | Site Type                | Oil  |
| Date Release                       | Discovered  | 08/12/2022              |   | API# (if app             | plicable)  |
| Unit Letter                        | Section   | Township                | Range                                     | Cour                     | nty  |
| F                                  | 3   | 21S                     | 27E                                       | Edo                      | -  |
| Crude Oil                          |   | l(s) Released (Select a | ll that apply and attach                  | l Volume of l            | c justification for the volumes provided below)  Volume Recovered (bbls) |
| ■ Produced                         | Water   | Volume Release          | ed (bbls) 75 BBLS                         | <br>S                    | Volume Recovered (bbls) 65 BBLS  |
|                                    |   | Is the concentrate      | tion of total dissolv<br>water >10,000 mg | ved solids (TDS)         | ☐ Yes ☐ No   |
| Condensa                           | ite   | Volume Release          | ed (bbls)                                 |                          | Volume Recovered (bbls)  |
| Natural G                          | as  | Volume Release          | ed (Mcf)                                  |                          | Volume Recovered (Mcf)   |
| Other (des                         | scribe)   | Volume/Weight           | Released (provide                         | e units)                 | Volume/Weight Recovered (provide units)                                  |
| Cause of Rele                      | ease Poly I   | ine developed           | l leak.                                   |                          | . <b>I</b>   |
|                                    |   |                         |   |                          |  |
|                                    |   |                         |   |                          |  |
|                                    |   |                         |   |                          |  |

Received by OCD: 3/8/2023/10/31/31/24MI State of New Mexico Page 2 Oil Conservation Division

| Pagi | ? <b>29</b> e | of 457 |
|------|---------------|--------|
|      | -3            | 3 -    |

| Incident ID    | nAPP2222463832 |
|----------------|----------------|
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

| Was this a major release as defined by         | If YES, for what reason(s) does the respo                          | nsible party consider this a major release?  |
|--|--|--|
| 19.15.29.7(A) NMAC?                            | Spill is over 25BBLS.  |  |
| Yes No   |  |  |
| les lino                                       |  |  |
|  |  |  |
| If YES, was immediate n                        | l otice given to the OCD? By whom? To what is a single of the OCD? | nom? When and by what means (phone, email, etc)?   |
| Immediate notice gi                            | iven on OCD portal (NOR) by Da                                     | e Woodall on 8/12/2022.  |
|  |  |  |
|  | Initial R  | esponse  |
| The responsible                                | party must undertake the following actions immediate.              | y unless they could create a safety hazard that would result in injury   |
|  |  |  |
| ■ The source of the rele                       | ease has been stopped.   |  |
| ■ The impacted area ha                         | as been secured to protect human health and                        | the environment.   |
| Released materials ha                          | ave been contained via the use of berms or o                       | likes, absorbent pads, or other containment devices.   |
| All free liquids and re                        | ecoverable materials have been removed an                          | d managed appropriately.   |
| If all the actions describe                    | d above have <u>not</u> been undertaken, explain                   | why:   |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| has begun, please attach                       | a narrative of actions to date. If remedial                        | emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation. |
| I hereby certify that the info                 | ermation 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 noti                | fications and perform corrective actions for releases which may endanger   |
| failed to adequately investig                  | ate and remediate contamination that pose a three                  | OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In  |
| addition, OCD acceptance o and/or regulations. | of a C-141 report does not relieve the operator of                 | responsibility for compliance with any other federal, state, or local laws   |
| Printed Name: Kendr                            | a Ruiz   | Title: EHS Associate   |
| Signature: Kendra                              |  |  |
|  |  | Date: 08/26/2022   |
| <sub>email:</sub> Kendra.Ru                    | iz@dvn.com   | Telephone: 575-748-0167  |
|  |  |  |
|  |  |  |
| OCD Only                                       |  |  |
| Received by:Jocelyn                            | Harimon  | Date:08/26/2022  |

| Sp                         | oill Volume(Bbls   | ) Calculator        |
|----------------------------|--|---------------------|
| 11                         | nputs in blue, Ou  | tputs in red        |
| Co                         | ontaminated Soil i   | measurement         |
| Length(Ft)                 | Width(Ft)  | Depth(Ft)           |
| <u>75</u>                  | 30.000   | 0.125               |
| Cubic Feet of S            | Soil Impacted  | 2822.000            |
| Barrels of So              | il Impacted  | 503.03              |
| Soil T                     | уре  | Clay/Sand           |
| Barrels of Oil A<br>Satura | THE PERSON NAMED IN THE PE | <u>75.45</u>        |
| Saturation                 | Fluid present  | with shovel/backhoe |
| Estimated Ba<br>Relea      | 0.1707 (7.07.0   | 75.45               |
|                            | Free Standing F  | luid Only           |
| Length(Ft)                 | Width(Ft)  | Depth(Ft)           |
|                            |  |                     |
| Standin                    | g fluid  | 0.000               |
| Total fluid                | ds spilled   | 75.455              |

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

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 138483

#### **CONDITIONS**

| Operator:                           | OGRID:                                    |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137                                      |
| 333 West Sheridan Ave.              | Action Number:                            |
| Oklahoma City, OK 73102             | 138483                                    |
|                                     | Action Type:                              |
|                                     | [C-141] Release Corrective Action (C-141) |

#### CONDITIONS

| Created By | Condition | Condition<br>Date |
|------------|-----------|-------------------|
| jharimor   | None      | 8/30/2022         |

Page 32 of 157 NAPP2222463832

Incident ID District RP Facility ID Application ID

## **Site Assessment/Characterization**

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

| What is the shallowest depth to groundwater beneath the area affected by the release?   | <50(ft bgs)           |
|---|-----------------------|
| Did this release impact groundwater or surface water?   | Yes X No              |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | Yes No                |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | Yes X No              |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | ☐ Yes 🗓 No            |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?                               | Yes X No              |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | Yes X No              |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | Yes X No              |
| Are the lateral extents of the release within 300 feet of a wetland?  | Yes X No              |
| Are the lateral extents of the release overlying a subsurface mine?   | ☐ Yes ☑ No            |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | Yes X No              |
| Are the lateral extents of the release within a 100-year floodplain?  |                       |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | Yes No                |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report.  |                       |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data  | ls.                   |
| Data table of soil contaminant concentration data   |                       |
| Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release   |                       |
| Boring or excavation logs   |                       |
| Photographs including date and GIS information  |                       |
| Topographic/Aerial maps   |                       |
| X Laboratory data including chain of custody  |                       |

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

Received by OCD: 3/8/2023 10:31:31 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

|             | rage 33 of 13. |
|-------------|----------------|
| Incident ID | NAPP2222463832 |
| District RP |                |
| Facility ID |                |

Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: \_\_\_\_\_Dale Woodall \_\_\_\_\_ Title: EHS Professional Signature: Dals Woodall Date: 3/8/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 **OCD Only** Received by: Date: \_\_\_\_\_

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| Incident ID    | NAPP2222463832 |
|----------------|----------------|
| 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.

| <ul> <li>X A scaled site and sampling diagram as described in 19.15.29.11 NMAC</li> <li>X 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)</li> </ul>  | et office   |
|---|-------------|
|   | et office   |
|   |             |
| X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)   |             |
| X 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 rul 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 | which<br>ty |
| 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: Dale Woodall Title: EHS Professional  | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title:EHS Professional   | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.   | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title:EHS Professional   | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title:EHS Professional  Signature:Dale Woodall Date: _3/8/2023   | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title:EHS Professional  Signature:Dale Woodall Date: _3/8/2023   | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall  | у           |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title:EHS Professional  Signature:Dale   | igate and   |
| accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name:Dale Woodall Title: _EHS Professional  Signature: _Dale Woodall Date: _3/8/2023  email:dale.woodall@dvn.com Telephone:\$75-748-1838  OCD Only  Received by: Date:  Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate a remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party.  | igate and   |



Gio PimaOil <gio@pimaoil.com>

## **Burton Flat Deep 44 SWD Confirmation of Sampling**

1 message

Gio PimaOil <gio@pimaoil.com>

Thu, Dec 15, 2022 at 10:26 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Burton Flat Deep 44 SWD for incident NAPP2222463832. Pima personnel are scheduled to be on site for this sampling event at approximately 10:00 a.m. on Saturday, December 17, 2022. If you have any questions or concerns, please let me know. Thank you.

Gio Gomez Project Manager cell-806-782-1151 Office- 575-964-7740 Pima Environmental Services, LLC.



# Appendix D

Photographic Documentation



# SITE PHOTOGRAPHS DEVON ENERGY

#### **BURTON FLAT DEEP UNIT 44 SWD**

#### Site Assessment













#### **EXCAVATION**



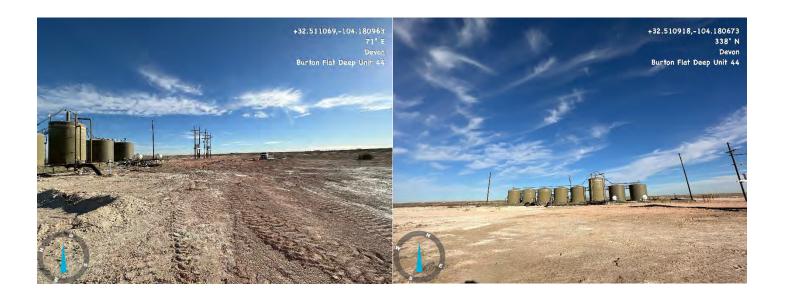








#### POST EXCAVATION





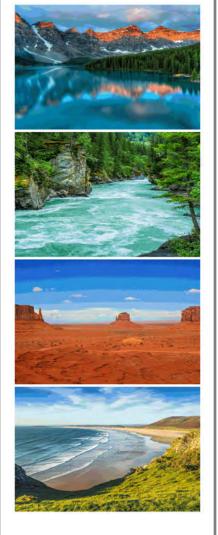




### Appendix E

**Laboratory Reports** 

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 44

Work Order: E208192

Job Number: 01058-0007

Received: 9/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/7/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Workorder: E208192

Project Name: Burton Flat Deep Unit 44

Date Received: 9/1/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2022 10:30:00AM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Donoutode      |
|--------------------------------------|------------------|--------------------------|----------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 09/07/22 12:11 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BG1              | E208192-01A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| BG2              | E208192-02A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW1              | E208192-03A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW2              | E208192-04A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW3              | E208192-05A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW4              | E208192-06A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW5              | E208192-07A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| SW6              | E208192-08A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S1 3'            | E208192-09A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S1 4'            | E208192-10A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S1 5'            | E208192-11A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S2 3'            | E208192-12A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S2 4'            | E208192-13A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S2 5'            | E208192-14A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S3 3'            | E208192-15A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S3 4'            | E208192-16A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S3 5'            | E208192-17A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S4 3'            | E208192-18A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S4 4'            | E208192-19A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |
| S4 5'            | E208192-20A   | Soil   | 08/30/22 | 09/01/22 | Glass Jar, 4 oz. |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

### BG1

#### E208192-01

|        | Reporting                                    |   |  |   |  |   |
|--------|--|---|--|---|--|---|
| Result | Limit  | Di  | lution   | Prepared  | Analyzed   | Notes   |
| mg/kg  | mg/kg  |   | Analyst:   | RKS   |  | Batch: 2236065  |
| ND     | 0.0250                                       |   | 1  | 09/01/22  | 09/02/22   |   |
| ND     | 0.0250                                       |   | 1  | 09/01/22  | 09/02/22   |   |
| ND     | 0.0250                                       |   | 1  | 09/01/22  | 09/02/22   |   |
| ND     | 0.0250                                       |   | 1  | 09/01/22  | 09/02/22   |   |
| ND     | 0.0500                                       |   | 1  | 09/01/22  | 09/02/22   |   |
| ND     | 0.0250                                       |   | 1  | 09/01/22  | 09/02/22   |   |
|        | 97.3 %                                       | 70-130  |  | 09/01/22  | 09/02/22   |   |
|        | 97.9 %                                       | 70-130  |  | 09/01/22  | 09/02/22   |   |
|        | 109 %  | 70-130  |  | 09/01/22  | 09/02/22   |   |
| mg/kg  | mg/kg  |   | Analyst:   | RKS   |  | Batch: 2236065  |
| ND     | 20.0   |   | 1  | 09/01/22  | 09/02/22   |   |
|        | 97.3 %                                       | 70-130  |  | 09/01/22  | 09/02/22   |   |
|        | 97.9 %                                       | 70-130  |  | 09/01/22  | 09/02/22   |   |
|        | 109 %  | 70-130  |  | 09/01/22  | 09/02/22   |   |
| mg/kg  | mg/kg  |   | Analyst:   | JL  |  | Batch: 2236069  |
| ND     | 25.0   |   | 1  | 09/02/22  | 09/02/22   |   |
| ND     | 50.0   |   | 1  | 09/02/22  | 09/02/22   |   |
|        | 99.7 %                                       | 50-200  |  | 09/02/22  | 09/02/22   |   |
| mg/kg  | mg/kg  |   | Analyst:   | RAS   |  | Batch: 2236076  |
| ND     | 20.0   |   | 1  | 09/02/22  | 09/02/22   |   |
|        | mg/kg ND | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.3 %         97.9 %           109 %         mg/kg           ND         20.0           97.3 %         97.9 %           109 %         109 %           mg/kg         mg/kg           ND         25.0           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg | Result         Limit         Di           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.3 %         70-130           97.9 %         70-130           109 %         70-130           97.3 %         70-130           97.9 %         70-130           109 %         70-130           109 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           99.7 %         50-200           mg/kg         mg/kg | Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.3 %         70-130           97.9 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           97.3 %         70-130         1           97.9 %         70-130         1           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           99.7 %         50-200           mg/kg         Mg/kg         Analyst: | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0500         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           97.3 %         70-130         09/01/22           97.9 %         70-130         09/01/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         09/01/22           97.3 %         70-130         09/01/22           97.9 %         70-130         09/01/22           109 %         70-130         09/01/22           109 %         70-130         09/01/22           109 %         70-130         09/01/22           ND         25.0         1         09/02/22           ND         50.0         1         09/02/22 | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         09/01/22         09/02/22           ND         0.0500         1         09/01/22         09/02/22           ND         0.0250         1         09/01/22         09/02/22           ND         0.0250         1         09/01/22         09/02/22           97.3 %         70-130         09/01/22         09/02/22           97.9 %         70-130         09/01/22         09/02/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         09/01/22         09/02/22           97.9 %         70-130         09/01/22         09/02/22           97.9 %         70-130         09/01/22         09/02/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1 |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

### BG2

|  |        | E208192-02 |        |              |          |          |                |
|--|--------|------------|--------|--------------|----------|----------|----------------|
|  |        | Reporting  |        |              |          |          |                |
| Analyte  | Result | Limit      | Dilu   | tion P       | repared  | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      |        | Analyst: RKS | 1        |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250     | 1      | 0            | 9/01/22  | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| Toluene  | ND     | 0.0250     | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250     | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250     | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.2 %     | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 96.6 %     | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %      | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      |        | Analyst: RKS | 1        |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       | 1      | 1 0          | 9/01/22  | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.2 %     | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 96.6 %     | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %      | 70-130 | 0            | 9/01/22  | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      |        | Analyst: JL  |          |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       | 1      | 1 0          | 9/02/22  | 09/02/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       | 1      | 1 0          | 9/02/22  | 09/02/22 |                |
| Surrogate: n-Nonane                            |        | 104 %      | 50-200 | 0            | 9/02/22  | 09/02/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      |        | Analyst: RAS | <u> </u> |          | Batch: 2236076 |
| Chloride                                       | ND     | 20.0       | 1      | 0            | 9/02/22  | 09/02/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW1 E208192-03

|  |        | Reporting |        |          |          |          |                |
|--|--------|-----------|--------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilu   | tion     | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     |        | Analyst: | RKS      |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      | l        | 09/01/22 | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      | l        | 09/01/22 | 09/02/22 |                |
| Toluene  | ND     | 0.0250    | 1      | l        | 09/01/22 | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      | l        | 09/01/22 | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      | l        | 09/01/22 | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      | [        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 100 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.8 %    | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     |        | Analyst: | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 100 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.8 %    | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     |        | Analyst: | JL       |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      | 1        | 09/02/22 | 09/02/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      | 1        | 09/02/22 | 09/02/22 |                |
| Surrogate: n-Nonane                            |        | 112 %     | 50-200 |          | 09/02/22 | 09/02/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     |        | Analyst: | RAS      |          | Batch: 2236076 |
|  |        |           |        |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW2 E208192-04

|  |        | Reporting |        |              |          |                |
|--|--------|-----------|--------|--------------|----------|----------------|
| Analyte  | Result | Limit     | Diluti | ion Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | A      | nalyst: RKS  |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      | 09/01/22     | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      | 09/01/22     | 09/02/22 |                |
| Toluene  | ND     | 0.0250    | 1      | 09/01/22     | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      | 09/01/22     | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      | 09/01/22     | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      | 09/01/22     | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.4 %    | 70-130 | 09/01/22     | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 | 09/01/22     | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %     | 70-130 | 09/01/22     | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | A      | nalyst: RKS  |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | 09/01/22     | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.4 %    | 70-130 | 09/01/22     | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 | 09/01/22     | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %     | 70-130 | 09/01/22     | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | A      | analyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      | 09/02/22     | 09/02/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      | 09/02/22     | 09/02/22 |                |
| Surrogate: n-Nonane                            |        | 120 %     | 50-200 | 09/02/22     | 09/02/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | A      | analyst: RAS |          | Batch: 2236076 |
| Chloride                                       | ND     | 20.0      | 1      | 09/02/22     | 09/02/22 |                |
|  |        |           |        |              |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW3

|  |        | E208192-05 |        |          |          |          |                |
|--|--------|------------|--------|----------|----------|----------|----------------|
|  |        | Reporting  |        |          |          |          |                |
| Analyte  | Result | Limit      | Dilı   | ution    | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      |        | Analyst: | RKS      |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250     |        | 1        | 09/01/22 | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     |        | 1        | 09/01/22 | 09/02/22 |                |
| Toluene  | ND     | 0.0250     |        | 1        | 09/01/22 | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250     |        | 1        | 09/01/22 | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     |        | 1        | 09/01/22 | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250     |        | 1        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.9 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 102 %      | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %      | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      |        | Analyst: | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       |        | 1        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.9 %     | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 102 %      | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %      | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      |        | Analyst: | JL       |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       |        | 1        | 09/02/22 | 09/02/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       |        | 1        | 09/02/22 | 09/02/22 |                |
| Surrogate: n-Nonane                            |        | 118 %      | 50-200 |          | 09/02/22 | 09/02/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      |        | Analyst: | RAS      |          | Batch: 2236076 |
| Chloride                                       | ND     | 20.0       |        | 1        | 09/02/22 | 09/02/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW4

|  |        | E208192-06 |        |               |            |                |
|--|--------|------------|--------|---------------|------------|----------------|
|  |        | Reporting  |        |               |            |                |
| Analyte  | Result | Limit      | Dilut  | tion Prepared | l Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      | I      | Analyst: RKS  |            | Batch: 2236065 |
| Benzene  | ND     | 0.0250     | 1      | 09/01/22      | 09/02/22   |                |
| Ethylbenzene                                   | ND     | 0.0250     | 1      | 09/01/22      | 09/02/22   |                |
| Toluene  | ND     | 0.0250     | 1      | 09/01/22      | 09/02/22   |                |
| o-Xylene                                       | ND     | 0.0250     | 1      | 09/01/22      | 09/02/22   |                |
| p,m-Xylene                                     | ND     | 0.0500     | 1      | 09/01/22      | 09/02/22   |                |
| Total Xylenes                                  | ND     | 0.0250     | 1      | 09/01/22      | 09/02/22   |                |
| Surrogate: Bromofluorobenzene                  |        | 103 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 102 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Surrogate: Toluene-d8                          |        | 102 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      | 1      | Analyst: RKS  |            | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       | 1      | 09/01/22      | 09/02/22   |                |
| Surrogate: Bromofluorobenzene                  |        | 103 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 102 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Surrogate: Toluene-d8                          |        | 102 %      | 70-130 | 09/01/22      | 09/02/22   |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      | 1      | Analyst: JL   |            | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       | 1      | 09/02/22      | 09/02/22   |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       | 1      | 09/02/22      | 09/02/22   |                |
| Surrogate: n-Nonane                            |        | 109 %      | 50-200 | 09/02/22      | 09/02/22   |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      | 1      | Analyst: RAS  |            | Batch: 2236076 |
| Chloride                                       | ND     | 20.0       | 1      | 09/02/22      | 09/03/22   |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW5

#### E208192-07

|  |        | Reporting |        |            |          |          |                |
|--|--------|-----------|--------|------------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilu   | tion       | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     |        | Analyst: I | RKS      |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      |            | 09/01/22 | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      |            | 09/01/22 | 09/02/22 |                |
| Toluene  | ND     | 0.0250    | 1      |            | 09/01/22 | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      |            | 09/01/22 | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      |            | 09/01/22 | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      |            | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 103 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 103 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | -      | Analyst: I | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | l          | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 103 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 103 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130 |            | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     |        | Analyst: J | ıl       |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      |            | 09/02/22 | 09/02/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      |            | 09/02/22 | 09/02/22 |                |
| Surrogate: n-Nonane                            |        | 112 %     | 50-200 |            | 09/02/22 | 09/02/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     |        | Analyst: I | RAS      |          | Batch: 2236076 |
| Amons by ETA 300.0/3030A                       |        |           |        |            |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### SW6 E208192-08

|  |        | 22001/2 00         |        |               |                |                |
|--|--------|--------------------|--------|---------------|----------------|----------------|
| Analyte  | Result | Reporting<br>Limit | Dilut  | tion Prepared | Analyzed       | Notes          |
|  |        | mg/kg              |        | Analyst: RKS  | 7.11.11.7.2.01 | Batch: 2236065 |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  |                    |        | 09/01/22      | 09/02/22       | Batch: 2230003 |
| Benzene  | ND     | 0.0250             | 1      |               |                |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1      | 09/01/22      | 09/02/22       |                |
| Toluene  | ND     | 0.0250             | I      | 09/01/22      | 09/02/22       |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 09/01/22      | 09/02/22       |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 09/01/22      | 09/02/22       |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 09/01/22      | 09/02/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 102 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              | A      | Analyst: RKS  |                | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 09/01/22      | 09/02/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 102 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 | 09/01/22      | 09/02/22       |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | A      | Analyst: JL   |                | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 09/02/22      | 09/02/22       |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 09/02/22      | 09/02/22       |                |
| Surrogate: n-Nonane                            |        | 113 %              | 50-200 | 09/02/22      | 09/02/22       |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | A      | Analyst: RAS  |                | Batch: 2236076 |
| Chloride                                       | ND     | 20.0               | 1      | 09/02/22      | 09/03/22       |                |
|  |        |                    |        |               |                |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S1 3' E208192-09

|  |        | Reporting |        |             |          |          |                |
|--|--------|-----------|--------|-------------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilut  | tion        | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | A      | Analyst: RK | S        |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      |             | 09/01/22 | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      |             | 09/01/22 | 09/02/22 |                |
| Toluene  | ND     | 0.0250    | 1      |             | 09/01/22 | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      |             | 09/01/22 | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      |             | 09/01/22 | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      |             | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 105 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | A      | Analyst: RK | S        |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      |             | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 105 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130 |             | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | A      | Analyst: JL |          |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      |             | 09/02/22 | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      |             | 09/02/22 | 09/03/22 |                |
| Surrogate: n-Nonane                            | ·      | 124 %     | 50-200 |             | 09/02/22 | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | A      | Analyst: RA | S        |          | Batch: 2236076 |
| Chloride                                       | 739    | 200       | 10     | 0           | 09/02/22 | 09/03/22 | ·              |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S1 4' E208192-10

|  |        | L2001/2 10         |          |            |          |                |
|--|--------|--------------------|----------|------------|----------|----------------|
| Analyte  | Result | Reporting<br>Limit | Dilution | n Prepared | Analyzed | Notes          |
|  |        |                    |          | 1          | Amaryzed |                |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              | Ana      | alyst: RKS |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250             | 1        | 09/01/22   | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1        | 09/01/22   | 09/02/22 |                |
| Toluene  | ND     | 0.0250             | 1        | 09/01/22   | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1        | 09/01/22   | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1        | 09/01/22   | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1        | 09/01/22   | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 105 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              | Ana      | alyst: RKS |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1        | 09/01/22   | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 105 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %              | 70-130   | 09/01/22   | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | Ana      | alyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1        | 09/02/22   | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1        | 09/02/22   | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 134 %              | 50-200   | 09/02/22   | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | Ana      | alyst: RAS |          | Batch: 2236076 |
| Chloride                                       | 1240   | 400                | 20       | 09/02/22   | 09/03/22 |                |
|  |        |                    |          |            |          |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S1 5' E208192-11

|  |        | E200172-11         |        |          |          |          |                |
|--|--------|--------------------|--------|----------|----------|----------|----------------|
| Analysis                                       | Result | Reporting<br>Limit | Dil    | ıtion    | D        | Analyzed | Notes          |
| Analyte  | Result | Limit              | Dill   | ition    | Prepared | Anaiyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              |        | Analyst: | RKS      |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Toluene  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 107 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              |        | Analyst: | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 1        | 09/01/22 | 09/02/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 107 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 |          | 09/01/22 | 09/02/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              |        | Analyst: | JL       |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 1        | 09/02/22 | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 1        | 09/02/22 | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 123 %              | 50-200 | ·        | 09/02/22 | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              |        | Analyst: | RAS      |          | Batch: 2236076 |
| Chloride                                       | ND     | 20.0               | 1      | 1        | 09/02/22 | 09/03/22 |                |
|  |        |                    |        |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

S2 3' E208192-12

|  |        | Reporting |        |             |          |                |
|--|--------|-----------|--------|-------------|----------|----------------|
| Analyte  | Result | Limit     | Diluti | on Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | A      | nalyst: RKS |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      | 09/01/22    | 09/03/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      | 09/01/22    | 09/03/22 |                |
| Toluene  | ND     | 0.0250    | 1      | 09/01/22    | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      | 09/01/22    | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      | 09/01/22    | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      | 09/01/22    | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 98.0 %    | 70-130 | 09/01/22    | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 97.9 %    | 70-130 | 09/01/22    | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 108 %     | 70-130 | 09/01/22    | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | A      | nalyst: RKS |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | 09/01/22    | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 98.0 %    | 70-130 | 09/01/22    | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 97.9 %    | 70-130 | 09/01/22    | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 108 %     | 70-130 | 09/01/22    | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | A      | nalyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | 242    | 25.0      | 1      | 09/02/22    | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | 389    | 50.0      | 1      | 09/02/22    | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 124 %     | 50-200 | 09/02/22    | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | A      | nalyst: RAS |          | Batch: 2236076 |
| Chloride                                       | 3640   | 400       | 20     | 09/02/22    | 09/03/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

S2 4' E208192-13

|  |        | Reporting |        |              |          |                |
|--|--------|-----------|--------|--------------|----------|----------------|
| Analyte  | Result | Limit     | Dilut  | ion Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | Α      | analyst: RKS |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1      | 09/01/22     | 09/03/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      | 09/01/22     | 09/03/22 |                |
| Toluene  | ND     | 0.0250    | 1      | 09/01/22     | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      | 09/01/22     | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      | 09/01/22     | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      | 09/01/22     | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 106 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | А      | analyst: RKS |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | 09/01/22     | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 106 %     | 70-130 | 09/01/22     | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Α      | analyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      | 09/02/22     | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      | 09/02/22     | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 115 %     | 50-200 | 09/02/22     | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Α      | analyst: RAS |          | Batch: 2236076 |
| Chloride                                       | 1550   | 400       | 20     | 09/02/22     | 09/03/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S2 5' E208192-14

|  |        | Reporting |        |          |          |          |                |
|--|--------|-----------|--------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilu   | ution    | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     |        | Analyst: | RKS      |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    |        | 1        | 09/01/22 | 09/03/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    |        | 1        | 09/01/22 | 09/03/22 |                |
| Toluene  | ND     | 0.0250    |        | 1        | 09/01/22 | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250    |        | 1        | 09/01/22 | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    |        | 1        | 09/01/22 | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250    |        | 1        | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     |        | Analyst: | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | :      | 1        | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 104 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %     | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     |        | Analyst: | 几        |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      |        | 1        | 09/02/22 | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      |        | 1        | 09/02/22 | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 115 %     | 50-200 |          | 09/02/22 | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     |        | Analyst: | RAS      |          | Batch: 2236076 |
| Chloride                                       | ND     | 20.0      |        | 1        | 09/02/22 | 09/03/22 |                |
|  |        |           |        |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S3 3' E208192-15

|  |        | Reporting |         |            |          |                |
|--|--------|-----------|---------|------------|----------|----------------|
| Analyte  | Result | Limit     | Dilutio | n Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | An      | alyst: RKS |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250    | 1       | 09/01/22   | 09/03/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1       | 09/01/22   | 09/03/22 |                |
| Toluene  | ND     | 0.0250    | 1       | 09/01/22   | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1       | 09/01/22   | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1       | 09/01/22   | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1       | 09/01/22   | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130  | 09/01/22   | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.5 %    | 70-130  | 09/01/22   | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130  | 09/01/22   | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | An      | alyst: RKS |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1       | 09/01/22   | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %     | 70-130  | 09/01/22   | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.5 %    | 70-130  | 09/01/22   | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %     | 70-130  | 09/01/22   | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | An      | alyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1       | 09/02/22   | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1       | 09/02/22   | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 116 %     | 50-200  | 09/02/22   | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | An      | alyst: RAS |          | Batch: 2236076 |
| Chloride                                       | 5090   | 400       | 20      | 09/02/22   | 09/03/22 |                |
|  |        |           |         |            |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S3 4' E208192-16

| Analyte  | Result | Reporting<br>Limit | Dilutio | on Prepared | Analyzed | Notes          |
|--|--------|--------------------|---------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              | Aı      | nalyst: RKS |          | Batch: 2236065 |
| Benzene  | ND     | 0.0250             | 1       | 09/01/22    | 09/03/22 |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1       | 09/01/22    | 09/03/22 |                |
| Toluene  | ND     | 0.0250             | 1       | 09/01/22    | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1       | 09/01/22    | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1       | 09/01/22    | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1       | 09/01/22    | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 101 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              | Aı      | nalyst: RKS |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1       | 09/01/22    | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 101 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 101 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %              | 70-130  | 09/01/22    | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | Aı      | nalyst: JL  |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1       | 09/02/22    | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1       | 09/02/22    | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 82.2 %             | 50-200  | 09/02/22    | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | Aı      | nalyst: RAS |          | Batch: 2236076 |
| Chloride                                       | 2350   | 400                | 20      | 09/02/22    | 09/03/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S3 5' E208192-17

| D. It  |  |  |  | D 1   |   | N   |
|--------|--|--|--|---|---|---|
| Result | Limit  | Dilt   | ution  | Prepared  | Analyzed  | Notes   |
| mg/kg  | mg/kg  |  | Analyst  | : RKS   |   | Batch: 2236065  |
| ND     | 0.0250   |  | 1  | 09/01/22  | 09/03/22  |   |
| ND     | 0.0250   |  | 1  | 09/01/22  | 09/03/22  |   |
| ND     | 0.0250   |  | 1  | 09/01/22  | 09/03/22  |   |
| ND     | 0.0250   |  | 1  | 09/01/22  | 09/03/22  |   |
| ND     | 0.0500   |  | 1  | 09/01/22  | 09/03/22  |   |
| ND     | 0.0250   |  | 1  | 09/01/22  | 09/03/22  |   |
|        | 101 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
|        | 101 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
|        | 106 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
| mg/kg  | mg/kg Analyst: RKS                                 |  |  | Batch: 2236065  |   |   |
| ND     | 20.0   |  | 1  | 09/01/22  | 09/03/22  |   |
|        | 101 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
|        | 101 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
|        | 106 %  | 70-130   |  | 09/01/22  | 09/03/22  |   |
| mg/kg  | mg/kg  |  | Analyst  | : JL  |   | Batch: 2236069  |
| ND     | 25.0   |  | 1  | 09/02/22  | 09/03/22  |   |
| ND     | 50.0   |  | 1  | 09/02/22  | 09/03/22  |   |
| ·      | 133 %  | 50-200   |  | 09/02/22  | 09/03/22  |   |
| mg/kg  | mg/kg  |  | Analyst  | : RAS   |   | Batch: 2236076  |
| ND     | 20.0   |  | 1  | 09/02/22  | 09/03/22  |   |
|        | ND Mg/kg ND Mg/kg | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           I01 %         101 %           106 %         mg/kg           ND         20.0           I01 %         106 %           mg/kg         mg/kg           ND         25.0           ND         50.0           I33 %         mg/kg           mg/kg         mg/kg | mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           101 %         70-130           106 %         70-130           mg/kg         mg/kg           ND         20.0           101 %         70-130           106 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           133 %         50-200           mg/kg         mg/kg | Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           101%         70-130           106%         70-130           mg/kg         mg/kg         Analyst           ND         20.0         1           101%         70-130         1           106%         70-130         1           mg/kg         mg/kg         Analyst           ND         25.0         1           ND         50.0         1           133%         50-200           mg/kg         Analyst | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0250         1         09/01/22           ND         0.0500         1         09/01/22           ND         0.0250         1         09/01/22           ND         70-130         09/01/22           101 %         70-130         09/01/22           106 %         70-130         09/01/22           101 %         70-130         09/01/22           101 %         70-130         09/01/22           101 %         70-130         09/01/22           106 %         70-130         09/01/22           106 %         70-130         09/01/22           106 %         70-130         09/01/22           ND         25.0         1         09/02/22           ND         50.0         1         09/02/22           ND         50.0         1         09/02/22           133 % | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         09/01/22         09/03/22           ND         0.0500         1         09/01/22         09/03/22           ND         0.0250         1         09/01/22         09/03/22           ND         0.0250         1         09/01/22         09/03/22           101 %         70-130         09/01/22         09/03/22           106 %         70-130         09/01/22         09/03/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         09/01/22         09/03/22           106 %         70-130         09/01/22         09/03/22           106 %         70-130         09/01/22         09/03/22           106 %         70-130         09/01/22         09/03/22           106 %         70-130 |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S4 3' E208192-18

| Analyte  | Result                   | Reporting<br>Limit |        | ıtion          | Prepared | Analyzed | Notes          |
|--|--------------------------|--------------------|--------|----------------|----------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B        | mg/kg                    | mg/kg              |        | Analyst:       | RKS      |          | Batch: 2236065 |
| Benzene  | ND                       | 0.0250             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| Ethylbenzene                                   | ND                       | 0.0250             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| Toluene  | ND                       | 0.0250             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| o-Xylene                                       | ND                       | 0.0250             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| p,m-Xylene                                     | ND                       | 0.0500             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| Total Xylenes                                  | ND                       | 0.0250             | 1      | 1              | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |                          | 102 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |                          | 104 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |                          | 107 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg                    | mg/kg              |        | Analyst:       | RKS      |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND                       | 20.0               | 1      | 1              | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |                          | 102 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |                          | 104 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |                          | 107 %              | 70-130 |                | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg                    | mg/kg              |        | Analyst:       | JL       |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND                       | 25.0               | 1      | 1              | 09/02/22 | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND                       | 50.0               | 1      | 1              | 09/02/22 | 09/03/22 |                |
| Surrogate: n-Nonane                            |                          | 126 %              | 50-200 |                | 09/02/22 | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg mg/kg Analyst: RAS |                    |        | Batch: 2236076 |          |          |                |
| Chloride                                       | 1740                     | 20.0               |        | 1              | 09/02/22 | 09/03/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S4 4' E208192-19

| Analyte  | Result | Reporting<br>Limit | Dilu   | ıtion    | Prepared | Analyzed | Notes          |
|--|--------|--------------------|--------|----------|----------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              |        | Analyst: | •        | ,        | Batch: 2236065 |
| Benzene  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/03/22 | Batch: 2230003 |
| Ethylbenzene                                   | ND     | 0.0250             |        | 1        | 09/01/22 | 09/03/22 |                |
| Toluene  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/03/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/03/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 1        | 09/01/22 | 09/03/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 1        | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 102 %              | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.7 %             | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              |        | Analyst: | : RKS    |          | Batch: 2236065 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 1        | 09/01/22 | 09/03/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 102 %              | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.7 %             | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %              | 70-130 |          | 09/01/22 | 09/03/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              |        | Analyst: | : JL     |          | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 1        | 09/02/22 | 09/03/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 1        | 09/02/22 | 09/03/22 |                |
| Surrogate: n-Nonane                            |        | 124 %              | 50-200 |          | 09/02/22 | 09/03/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              |        | Analyst: | : RAS    |          | Batch: 2236076 |
| Chloride                                       | 2880   | 40.0               |        | 2        | 09/02/22 | 09/03/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                     |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:           |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

#### S4 5' E208192-20

|  |        | 22001)2 20         |        |             |                |                |
|--|--------|--------------------|--------|-------------|----------------|----------------|
| Analyte  | Result | Reporting<br>Limit | Diluti | on Prepared | Analyzed       | Notes          |
|  |        |                    |        | nalyst: RKS | 7 mary 20d     |                |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              |        |             |                | Batch: 2236065 |
| Benzene  | ND     | 0.0250             | 1      | 09/01/22    | 09/03/22       |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1      | 09/01/22    | 09/03/22       |                |
| Toluene  | ND     | 0.0250             | 1      | 09/01/22    | 09/03/22       |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 09/01/22    | 09/03/22       |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 09/01/22    | 09/03/22       |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 09/01/22    | 09/03/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 99.7 %             | 70-130 | 09/01/22    | 09/03/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 94.7 %             | 70-130 | 09/01/22    | 09/03/22       |                |
| Surrogate: Toluene-d8                          |        | 103 %              | 70-130 | 09/01/22    | 09/03/22       |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | g mg/kg            |        | nalyst: RKS | Batch: 2236065 |                |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 09/01/22    | 09/03/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 99.7 %             | 70-130 | 09/01/22    | 09/03/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 94.7 %             | 70-130 | 09/01/22    | 09/03/22       |                |
| Surrogate: Toluene-d8                          |        | 103 %              | 70-130 | 09/01/22    | 09/03/22       |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | A      | nalyst: JL  |                | Batch: 2236069 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 09/02/22    | 09/03/22       |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 09/02/22    | 09/03/22       |                |
| Surrogate: n-Nonane                            |        | 121 %              | 50-200 | 09/02/22    | 09/03/22       |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | A      | nalyst: RAS |                | Batch: 2236076 |
| Chloride                                       | ND     | 20.0               | 1      | 09/02/22    | 09/03/22       |                |
|  |        |                    |        |             |                |                |

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Burton Flat Deep Unit 44Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/7/2022 12:11:55PM

| Result   Limit   Level   Result   Rec   Limits   RPD   Limit   Limit   mg/kg   | PO Box 247<br>Plains TX, 79355-0247 |        | Project Number<br>Project Manage |          | om Bynum   |          |        |             | 9/           | 7/2022 12:11:55PM |
|--|-------------------------------------|--------|----------------------------------|----------|------------|----------|--------|-------------|--------------|-------------------|
| Result   Limit   Level   Result   Result   Rec   Limits   RPD   Limit   Limit   Level   Rec   Result   Rec   Limits   RPD   Limit   RPD   Limit   RPD   Rec   Re   |                                     | V      | olatile Organ                    | ic Compo | unds by EI | PA 82601 | В      |             |              | Analyst: RKS      |
| Blank (236065-BLK1)   Prepared: 09/01/22   Analyzed: 09/03/22  | Analyte                             | Result |                                  |          |            | Rec      |        | RPD         |              |                   |
| Benzene  |                                     | mg/kg  | mg/kg                            | mg/kg    | mg/kg      | %        | %      | %           | %            | Notes             |
| Ethylbenzene   ND  | Blank (2236065-BLK1)                |        |                                  |          |            |          |        | Prepared: 0 | 9/01/22 Anal | yzed: 09/03/22    |
| Toluene ND 0.0250 o-Xylene ND 0.0250 Total Xylenes ND 0.0250 Total Xylenes ND 0.0250  Surrogate: Irromofluorobenzene 0.492 0.500 98.3 70-130 Surrogate: Irromofluorobenzene 0.528 0.500 100 70-130  LCS (2236065-BS1)  LCS (2236065-BS1)  LCS (2216065-BS1)  Ethylbenzene 2.12 0.0250 2.50 88.8 70-130 Ethylbenzene 2.15 0.0250 2.50 88.8 70-130 Ethylene 2.16 0.0250 2.50 88.9 70-130 Ethylene 2.16 0.500 99.7 70-130 Ethylene 2.16 0.0250 2.50 88.5 70-130 Ethylene 2.17 0.0250 2.50 88.5 70-130 1.08 23 Ethylene 2.18 0.0250 2.50 88.5 70-130 3.32 27 Ethylene 2.18 0.0250 2.50 88.3 70-130 3.18 24 Ethylene 2.18 0.0250 2.50 88.5 70-130 3.18 24 Ethylene 2.18 0.0250 2.50 88.5 70-130 3.18 24 Ethylene 2.18 0.0250 2.50 88.5 70-130 3.18 24 Ethylene 2.18 0.0250 2.50 88.6 70-130 3.18 24 | Benzene                             | ND     | 0.0250                           |          |            |          |        |             |              |                   |
| ND   | Ethylbenzene                        | ND     | 0.0250                           |          |            |          |        |             |              |                   |
| ND   0.0550   ND   0.0250      | Toluene                             |        | 0.0250                           |          |            |          |        |             |              |                   |
| Total Xylenes   ND   | o-Xylene                            |        | 0.0250                           |          |            |          |        |             |              |                   |
| Surrogate: Bromofluorobenzene   0.492   0.500   98.3   70-130  | p,m-Xylene                          |        | 0.0500                           |          |            |          |        |             |              |                   |
| Surrogate: 1,2-Dichloroethane-d4   | Total Xylenes                       | ND     | 0.0250                           |          |            |          |        |             |              |                   |
| Prepared: 09/01/22   Analyzed: 09/03/22  | Surrogate: Bromofluorobenzene       | 0.492  |                                  | 0.500    |            | 98.3     | 70-130 |             |              |                   |
| Prepared: 09/01/22   Analyzed: 09/03/22  | Surrogate: 1,2-Dichloroethane-d4    | 0.500  |                                  | 0.500    |            | 100      | 70-130 |             |              |                   |
| Benzene   2.12   0.0250   2.50   84.6   70-130   | Surrogate: Toluene-d8               | 0.528  |                                  | 0.500    |            | 106      | 70-130 |             |              |                   |
| Ethylbenzene   2.22  | LCS (2236065-BS1)                   |        |                                  |          |            |          |        | Prepared: 0 | 9/01/22 Anal | yzed: 09/03/22    |
| Totlene 2.16 0.0250 2.50 86.6 70-130 0-Xylene 2.15 0.0250 2.50 85.8 70-130 0-Xylene 2.15 0.0250 2.50 85.8 70-130 0-Xylene 4.14 0.0500 5.00 82.9 70-130 0-Xylene 6.29 0.0250 7.50 83.9 70-130 0-Xylene 8.70 0.500 101 70-130 0-Xylene 1.2-Dichlorochane-d4 0.499 0.500 99.7 70-130 0-Xylene-d8 0.527 0.500 105 70-130 0-Xylene 0.500 0-Xylene 0.501 0.500 0-Xylene 0.500 0-Xylene 0.501 0-Xylene 0 | Benzene                             | 2.12   | 0.0250                           | 2.50     |            | 84.6     | 70-130 |             |              |                   |
| 2.15   0.0250   2.50   85.8   70-130    | Ethylbenzene                        | 2.22   | 0.0250                           | 2.50     |            | 88.8     | 70-130 |             |              |                   |
| p.m-Xylene 4.14 0.0500 5.00 82.9 70-130 Total Xylenes 6.29 0.0250 7.50 83.9 70-130 Total Xylenes 6.29 0.0250 7.50 83.9 70-130 Total Xylenes 0.505 0.500 101 70-130 Total Xylenes 0.505 0.500 99.7 70-130 Total Xylene-d8 0.527 0.500 105 70-130 Total Xylene-d8 0.527 0.500 105 70-130 Total Xylene-d8 0.527 0.500 105 Total Xylene-d8 0.527 0.500 105 Total Xylenes 0.500 100 Total Xylenes 0.500 100 Total Xylenes 0.500 100 Total Xylenes 0.501 0.500 100 Total Xylenes 0.500 100 Total Xylenes 0.501 0.500 100 Total Xylenes 1.500 100 Total Xylenes 1.5000 100 Total Xylenes 1.500 | Toluene                             | 2.16   | 0.0250                           | 2.50     |            | 86.6     | 70-130 |             |              |                   |
| Total Xylenes   6.29   0.0250   7.50   83.9   70-130   | o-Xylene                            | 2.15   | 0.0250                           | 2.50     |            | 85.8     | 70-130 |             |              |                   |
| Surrogate: Bromofluorobenzene   0.505   0.500   101   70-130   | p,m-Xylene                          | 4.14   | 0.0500                           | 5.00     |            | 82.9     | 70-130 |             |              |                   |
| Surrogate: 1,2-Dichloroethane-d4 0.499 0.500 99.7 70-130   Surrogate: Toluene-d8 0.527 0.500 105 70-130    LCS Dup (2236065-BSD1) Prepared: 09/01/22 Analyzed: 09/03/22    Benzene 2.14 0.0250 2.50 85.5 70-130 1.08 23    Ethylbenzene 2.31 0.0250 2.50 92.3 70-130 3.93 27    Toluene 2.23 0.0250 2.50 89.4 70-130 3.18 24    o-Xylene 2.21 0.0250 2.50 88.3 70-130 2.87 27    p,m-Xylene 4.28 0.0500 5.00 88.7 70-130 3.32 27    Total Xylenes 6.49 0.0250 7.50 86.6 70-130 3.17 27    Surrogate: Bromofluorobenzene 0.501 0.500 100 70-130   | Total Xylenes                       | 6.29   | 0.0250                           | 7.50     |            | 83.9     | 70-130 |             |              |                   |
| CCS Dup (2236065-BSD1)   Prepared: 09/01/22   Analyzed: 09/03/22   | Surrogate: Bromofluorobenzene       | 0.505  |                                  | 0.500    |            | 101      | 70-130 |             |              |                   |
| Prepared: 09/01/22   Analyzed: 09/03/22  | Surrogate: 1,2-Dichloroethane-d4    | 0.499  |                                  | 0.500    |            | 99.7     | 70-130 |             |              |                   |
| Benzene       2.14       0.0250       2.50       85.5       70-130       1.08       23         Ethylbenzene       2.31       0.0250       2.50       92.3       70-130       3.93       27         Toluene       2.23       0.0250       2.50       89.4       70-130       3.18       24         o-Xylene       2.21       0.0250       2.50       88.3       70-130       2.87       27         p,m-Xylene       4.28       0.0500       5.00       85.7       70-130       3.32       27         Total Xylenes       6.49       0.0250       7.50       86.6       70-130       3.17       27         Surrogate: Bromofluorobenzene       0.501       0.500       100       70-130  | Surrogate: Toluene-d8               | 0.527  |                                  | 0.500    |            | 105      | 70-130 |             |              |                   |
| Ethylbenzene       2.31       0.0250       2.50       92.3       70-130       3.93       27         Toluene       2.23       0.0250       2.50       89.4       70-130       3.18       24         o-Xylene       2.21       0.0250       2.50       88.3       70-130       2.87       27         p,m-Xylene       4.28       0.0500       5.00       85.7       70-130       3.32       27         Total Xylenes       6.49       0.0250       7.50       86.6       70-130       3.17       27         Surrogate: Bromofluorobenzene       0.501       0.500       100       70-130   | LCS Dup (2236065-BSD1)              |        |                                  |          |            |          |        | Prepared: 0 | 9/01/22 Anal | yzed: 09/03/22    |
| Ethylbenzene       2.31       0.0250       2.50       92.3       70-130       3.93       27         Toluene       2.23       0.0250       2.50       89.4       70-130       3.18       24         o-Xylene       2.21       0.0250       2.50       88.3       70-130       2.87       27         p,m-Xylene       4.28       0.0500       5.00       85.7       70-130       3.32       27         Total Xylenes       6.49       0.0250       7.50       86.6       70-130       3.17       27         Surrogate: Bromofluorobenzene       0.501       0.500       100       70-130       70-130  | Benzene                             | 2.14   | 0.0250                           | 2.50     |            | 85.5     | 70-130 | 1.08        | 23           |                   |
| Toluene     2.23     0.0250     2.50     89.4     70-130     3.18     24       o-Xylene     2.21     0.0250     2.50     88.3     70-130     2.87     27       p,m-Xylene     4.28     0.0500     5.00     85.7     70-130     3.32     27       Total Xylenes     6.49     0.0250     7.50     86.6     70-130     3.17     27       Surrogate: Bromofluorobenzene     0.501     0.500     100     70-130     70-130  |                                     |        |                                  |          |            |          | 70-130 |             |              |                   |
| p,m-Xylene 4.28 0.0500 5.00 85.7 70-130 3.32 27 Total Xylenes 6.49 0.0250 7.50 86.6 70-130 3.17 27 Surrogate: Bromofluorobenzene 0.501 0.500 100 70-130  | •                                   | 2.23   |                                  | 2.50     |            | 89.4     | 70-130 | 3.18        | 24           |                   |
| Total Xylenes 6.49 0.0250 7.50 86.6 70-130 3.17 27  Surrogate: Bromofluorobenzene 0.501 0.500 100 70-130   | o-Xylene                            | 2.21   | 0.0250                           | 2.50     |            | 88.3     | 70-130 | 2.87        | 27           |                   |
| Total Xylenes         6.49         0.0250         7.50         86.6         70-130         3.17         27           Surrogate: Bromofluorobenzene         0.501         0.500         100         70-130         -  | · ·                                 | 4.28   |                                  | 5.00     |            | 85.7     | 70-130 | 3.32        | 27           |                   |
|  |                                     | 6.49   | 0.0250                           | 7.50     |            | 86.6     | 70-130 | 3.17        | 27           |                   |
| Surrogate: 1,2-Dichloroethane-d4 0,479 0.500 95.7 70-130   | Surrogate: Bromofluorobenzene       | 0.501  |                                  | 0.500    |            | 100      | 70-130 |             |              |                   |
|  | Surrogate: 1,2-Dichloroethane-d4    | 0.479  |                                  | 0.500    |            | 95.7     | 70-130 |             |              |                   |

0.500

0.524

70-130

105



Surrogate: Toluene-d8

LCS Dup (2236065-BSD2)

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$ 

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Burton Flat Deep Unit 44Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/7/2022 12:11:55PM

| Plains TX, 79355-0247            |  | Project Manager             | r: To                   | m Bynum                   |          |                    |            | 9/7               | /2022 12:11:55PM |
|----------------------------------|--|-----------------------------|-------------------------|---------------------------|----------|--------------------|------------|-------------------|------------------|
|                                  | Nonhalogenated Organics by EPA 8015D - GRO |                             |                         |                           |          |                    |            |                   | nalyst: RKS      |
| Analyte                          | Result<br>mg/kg                            | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>%   | RPD<br>Limit<br>% | Notes            |
| Blank (2236065-BLK1)             |  |                             |                         |                           |          | P                  | repared: 0 | 9/01/22 Analy     | zed: 09/03/22    |
| Gasoline Range Organics (C6-C10) | ND   | 20.0                        |                         |                           |          |                    |            |                   |                  |
| Surrogate: Bromofluorobenzene    | 0.492                                      |                             | 0.500                   |                           | 98.3     | 70-130             |            |                   |                  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.500                                      |                             | 0.500                   |                           | 100      | 70-130             |            |                   |                  |
| Surrogate: Toluene-d8            | 0.528                                      |                             | 0.500                   |                           | 106      | 70-130             |            |                   |                  |
| LCS (2236065-BS2)                |  |                             |                         |                           |          | P                  | repared: 0 | 9/01/22 Analy     | zed: 09/03/22    |
| Gasoline Range Organics (C6-C10) | 49.9                                       | 20.0                        | 50.0                    |                           | 99.8     | 70-130             |            |                   |                  |
| Surrogate: Bromofluorobenzene    | 0.504                                      |                             | 0.500                   |                           | 101      | 70-130             |            |                   |                  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.506                                      |                             | 0.500                   |                           | 101      | 70-130             |            |                   |                  |
| Surrogate: Toluene-d8            | 0.528                                      |                             | 0.500                   |                           | 106      | 70-130             |            |                   |                  |

0.500

0.500

0.500

20.0

0.502

0.500

0.536

Prepared: 09/01/22 Analyzed: 09/03/22

70-130

70-130

70 - 130

70-130

94.8

100

100

107

# **QC Summary Data**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:           |
|--------------------------------------|------------------|--------------------------|---------------------|
| PO Box 247                           | Project Number:  | 01058-0007               |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 9/7/2022 12:11:55PM |

| Plains TX, 79355-0247           |        | Project Manage     | r: To          | m Bynum          |          |               |                                       |              | 9/7/2022 12:11:55PM |
|---------------------------------|--------|--------------------|----------------|------------------|----------|---------------|---------------------------------------|--------------|---------------------|
|                                 | Nonhal | logenated Or       | Analyst: JL    |                  |          |               |                                       |              |                     |
| Analyte                         | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec      | Rec<br>Limits | RPD                                   | RPD<br>Limit |                     |
|                                 | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %        | %             | %                                     | %            | Notes               |
| Blank (2236069-BLK1)            |        |                    |                |                  |          |               | Prepared: 0                           | 9/02/22 A1   | nalyzed: 09/02/22   |
| Diesel Range Organics (C10-C28) | ND     | 25.0               |                |                  |          |               |                                       |              |                     |
| il Range Organics (C28-C36)     | ND     | 50.0               |                |                  |          |               |                                       |              |                     |
| urrogate: n-Nonane              | 59.4   |                    | 50.0           |                  | 119      | 50-200        |                                       |              |                     |
| LCS (2236069-BS1)               |        |                    |                |                  |          |               | Prepared: 0                           | 9/02/22 Aı   | nalyzed: 09/06/22   |
| Diesel Range Organics (C10-C28) | 221    | 25.0               | 250            |                  | 88.6     | 38-132        |                                       |              |                     |
| urrogate: n-Nonane              | 47.5   |                    | 50.0           |                  | 95.0     | 50-200        |                                       |              |                     |
| Matrix Spike (2236069-MS1)      |        |                    |                | Source:          | E208192- | 14            | Prepared: 09/02/22 Analyzed: 09/02/22 |              |                     |
| Diesel Range Organics (C10-C28) | 230    | 25.0               | 250            | ND               | 91.9     | 38-132        |                                       |              |                     |
| urrogate: n-Nonane              | 56.1   |                    | 50.0           |                  | 112      | 50-200        |                                       |              |                     |
| Matrix Spike Dup (2236069-MSD1) |        |                    |                | Source:          | E208192- | 14            | Prepared: 0                           | 9/02/22 A1   | nalyzed: 09/02/22   |
| Diesel Range Organics (C10-C28) | 236    | 25.0               | 250            | ND               | 94.5     | 38-132        | 2.77                                  | 20           |                     |
| urrogate: n-Nonane              | 56.2   |                    | 50.0           |                  | 112      | 50-200        |                                       |              |                     |



### **QC Summary Data**

| Pima Environmental Services-Carlsbad<br>PO Box 247 |        | Project Name:<br>Project Number: |                | Burton Flat Dee    | p Unit 44 |               |             |                                       | Reported:           |  |
|--|--------|----------------------------------|----------------|--------------------|-----------|---------------|-------------|---------------------------------------|---------------------|--|
| Plains TX, 79355-0247                              |        | Project Manager                  | : 1            | Гот Bynum          |           |               |             |                                       | 9/7/2022 12:11:55PM |  |
| Anions by EPA 300.0/9056A  Analyst: RAS            |        |                                  |                |                    |           |               |             |                                       |                     |  |
| Analyte  | Result | Reporting<br>Limit               | Spike<br>Level | Source<br>Result   | Rec       | Rec<br>Limits | RPD         | RPD<br>Limit                          |                     |  |
|  | mg/kg  | mg/kg                            | mg/kg          | mg/kg              | %         | %             | %           | %                                     | Notes               |  |
| Blank (2236076-BLK1)                               |        |                                  |                |                    |           |               | Prepared: 0 | 9/02/22 <i>F</i>                      | Analyzed: 09/02/22  |  |
| Chloride   | ND     | 20.0                             |                |                    |           |               |             |                                       |                     |  |
| LCS (2236076-BS1)                                  |        |                                  |                |                    |           |               |             | Prepared: 09/02/22 Analyzed: 09/02/22 |                     |  |
| Chloride   | 252    | 20.0                             | 250            |                    | 101       | 90-110        |             |                                       |                     |  |
| Matrix Spike (2236076-MS1)                         |        |                                  |                | Source: E208192-01 |           |               | Prepared: 0 | 9/02/22 A                             | Analyzed: 09/02/22  |  |
| Chloride   | 256    | 20.0                             | 250            | ND                 | 102       | 80-120        |             |                                       |                     |  |
| Matrix Spike Dup (2236076-MSD1)                    |        |                                  |                | Source: E208192-01 |           |               | Prepared: 0 | 9/02/22 A                             | Analyzed: 09/02/22  |  |
| Chloride   | 259    | 20.0                             | 250            | ND                 | 103       | 80-120        | 1.07        | 20                                    |                     |  |

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                |
|--------------------------------------|------------------|--------------------------|----------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 09/07/22 12:11 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

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Chain of Custody

| Page  | 1 | of     | 2 |
|-------|---|--------|---|
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| Client: P                    | ima Envi                            | ronmen                       | tal Servi                    | ces  | Bill To   |                   |                 |                 | La           | b Us        | e On                     | ly             |            |         |         | TA          | AT   | EPA P         | rogram          |
|------------------------------|-------------------------------------|------------------------------|------------------------------|--|---|-------------------|-----------------|-----------------|--------------|-------------|--------------------------|----------------|------------|---------|---------|-------------|--|---------------|-----------------|
| Project:                     | Burton I                            | Tat De                       | ep Uni                       | + 44   | Attention: Devon Energy   |                   | Lab             | WO#             | 192          |             | Job Number<br>01058-0007 |                | ber        | 1D      | 2D      | 3D          | Standard                                       | CWA           | SDWA            |
|                              | <u>Manager:</u><br>5614 N.          |                              |                              | -  | Address:  |                   | FO              | <b>VOX</b>      | 190          | <u>x</u>    | OLU                      | <b>50</b>      | 1 Watha    |         |         |             | X  |               | RCRA            |
|                              | e, Zip Ho                           |                              |                              |  | City, State, Zip<br>Phone:  | -                 | -               |                 |              |             | Anaiy                    | sis ai         | nd Metho   | T       |         |             |  |               | NCNA            |
|                              | 580-748-                            |                              | VI, 00240                    |  | Email:  |                   | 22              | 53              |              |             |                          |                |            |         | 1       |             |  | State         | L               |
|                              | tom@pin                             |                              | n                            |  |   |                   | y 80            | y 80:           | 1            | 0           |                          | 0.0            |            | 5       |         |             | NM CO  | UT AZ         | TX              |
| Report d                     | ue by:                              |                              |                              |  | Pima Project #  Q ¬   |                   | ROb             | RO b            | y 802        | 826         | 601(                     | le 30          |            | N       | ¥       |             | X  |               |                 |
| Time<br>Sampled              | Date<br>Sampled                     | Matrix                       | No. of<br>Containers         | Sample ID                                      |   | Lab<br>Number     | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010              | Chloride 300.0 |            | верос   | верос   |             |  | Remarks       |                 |
| 9:00                         | 8/30/22                             | S                            |                              | BG I   |   | J                 |                 |                 |              |             |                          |                |            | X       |         |             |  |               |                 |
| 9.05                         | 1                                   |                              |                              | BG 2   |   | a                 |                 |                 |              |             |                          |                |            | 1       |         |             |  |               |                 |
| 9:10                         |                                     |                              |                              | SW 1   |   | 3                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:15                         |                                     |                              |                              | SW Z   |   | 4                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:20                         |                                     |                              |                              | SW 3   |   | 5                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:25                         |                                     |                              |                              | SW 4   |   | 0                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:30                         |                                     |                              |                              | SW 5   |   | 7                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:35                         |                                     |                              |                              | Sw 6   |   | 8                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:40                         |                                     |                              |                              | S1 3'  |   | 9                 |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 9:45                         |                                     | 1                            |                              | 81 4   |   | 10                |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| 200                          | nal Instruc                         |                              |                              | В  | illing # A21060749  |                   |                 |                 |              |             |                          |                |            |         |         |             |  |               |                 |
| I, (field sam<br>date or fim | pler), attest to<br>e of collection | the validity<br>is considere | y and authen<br>ed fraud and | ticity of this sample.<br>may be grounds for l | I am aware that tampering with or intentionally misla<br>egal action.                             | belling the sampl | e locat         | ion,            |              |             |                          |                |            | p above | 0 but l | ess than    | eceived on ice the day<br>6 °C on subsequent o |               | led or received |
| 100                          | ped by: (Sign<br>and by: (Sign      | Dando                        | Date<br>Date                 | 31/22 Time                                     | Received by: (Signature)  | Date              | 4               | Time            | 7            | _           | Rece                     | eive           | d on ice:  |         | ab U    | lse Or<br>N | nly  |               |                 |
| 14)                          | 1/3                                 | 1                            | X                            | CATA.  | 4 Cathelest   | 9/1/0             | 22              | 10              | :30          | 2           | T1                       |                |            | T2      |         |             | T3   |               |                 |
| Relinquish                   | ned by: (Sign                       | áture)                       | bate                         | e Time   | Received by: (Signature)  | Date              |                 | Time            |              |             | AVG                      | Ter            | np°c 4     | 1       |         |             |  |               |                 |
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| Cliente Di                      | ma Envi                       | onmont      | ol Consid            | 200                     | Bill To   |                     |          | -               | La           | b Us        | e Onl       | V                   |                   |           |         | TA                      | T         |                                | EPA P                   | rogram        |
|---------------------------------|-------------------------------|-------------|----------------------|-------------------------|---|---------------------|----------|-----------------|--------------|-------------|-------------|---------------------|-------------------|-----------|---------|-------------------------|-----------|--------------------------------|-------------------------|---------------|
| Project R                       | urton I                       | Tot D       | oon Uni              | T (17)                  | Attention: Devon Energy                             |                     | Lab      | WO#             | 1-7-1        |             | Job N       | lumber              |                   | 1D        | 2D      | 3D                      | Star      | ndard                          | CWA                     | SDWA          |
| roject M                        | anager:                       | Tom By      | num                  | 1191                    | Address:  |                     | Lab E    | 808             | 190          | 2           | 010         | 38-00               | ra                |           |         | 1                       |           | X                              |                         |               |
| Address: 5614 N. Lovington Hwy. |                               |             | City, State, Zip     |                         |   |                     |          |                 | Analys       | is and M    | etho        | d                   |                   |           |         |                         |           | RCRA                           |                         |               |
|                                 | , Zip Ho                      |             | A, 88240             | )                       | Phone:  |                     |          |                 |              |             |             |                     |                   |           |         |                         |           |                                | Chata                   |               |
|                                 | 80-748-                       |             |                      |                         | Email:  |                     | 015      | 1015            |              |             |             |                     |                   |           |         | 1 1                     | -         | NIMI CO                        | State<br>UT AZ          | TX            |
|                                 | om@pin                        | aoil.cor    | n                    | -                       | Pima Project # 197                                  |                     | by 8015  | by 8            | 021          | 09          | 10          | 0.00                | Σ                 | ×         |         | _                       | X         | UI AZ                          | 11/                     |               |
| leport du                       | ie by:                        |             |                      |                         | Tima Frojectii (C)                                  | Link                | ORO      | DRO             | by 8         | y 82        | ls 60       | ide 3               |                   |           |         | 1 1                     | -         | <u> </u>                       |                         |               |
| Time<br>Sampled                 | Date<br>Sampled               | Matrix      | No. of<br>Containers | Sample ID               |   | Lab<br>Number       | DRO/ORO  | GRO/DRO by 8015 | ВТЕХ by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0      |                   | верос     | верос   |                         |           |                                | Remarks                 | •             |
| 1:50                            | 8/30/22                       | S           |                      | SI 5'                   |   | 111                 |          |                 |              |             |             |                     |                   | X         |         |                         |           |                                |                         |               |
| 1:55                            | 1                             | 1           |                      | \$2 3'                  |   | 12                  |          |                 |              |             |             |                     |                   | 1         |         |                         |           |                                |                         |               |
| 0:00                            |                               |             |                      | \$2 4'                  |   | 13                  |          |                 |              |             |             |                     |                   |           |         |                         |           |                                |                         |               |
|                                 |                               |             |                      | \$2 5'                  |   | 14                  |          |                 |              |             |             |                     |                   |           |         |                         |           |                                |                         |               |
| 0:05                            |                               |             |                      | 833'                    |   | 15                  |          |                 |              |             |             |                     |                   | 1         |         |                         |           |                                |                         |               |
| D:1D                            |                               |             |                      |                         |   | 16                  |          |                 |              |             |             |                     | T                 | 11        |         |                         |           |                                |                         |               |
| D:15                            |                               |             |                      | 334                     |   |                     | -        |                 |              | -           |             |                     | -                 | +         |         |                         |           |                                |                         |               |
| 10:20                           |                               |             |                      | 335                     |   | 17                  | -        |                 |              |             |             |                     | -                 | 1         |         |                         |           |                                |                         |               |
| D:25                            |                               |             |                      | 843                     | 1   | 18                  |          |                 |              |             |             |                     |                   | 1         |         |                         |           |                                |                         |               |
| 10:30                           |                               |             |                      | 844                     | 1   | 19                  |          |                 |              |             |             |                     |                   |           |         |                         |           |                                |                         |               |
| 10:35                           |                               |             |                      | 84 5                    | i   | 20                  |          |                 |              |             |             |                     |                   |           |         |                         |           |                                |                         |               |
| Addition                        | al Instruc                    |             |                      | D:11                    | ing # 21860749                                      |                     |          |                 |              |             |             |                     |                   |           |         |                         |           |                                |                         |               |
| I, (field sam                   | oler), attest t               | the validit | y and authen         | nticity of this sample. | I am aware that tampering with of intentionally mis | slabelling the samp | le locat | ion,            |              |             | nackar      | lin ice at an       | hermal<br>avg ten | preserv   | ation m | nust be re<br>less than | eceived o | on ice the day<br>subsequent d | y they are sam<br>days. | pled or recei |
| Relinguish                      | of collection<br>ed by: (Sign | is consider | ed fraud and<br>Date | may be grounds for l    | Received by: (Signature)                            | pate                | 2        | TIPME           | 2/           | 1           | 00          | 1                   | -                 | 1         | ab L    | Jse Or                  |           |                                |                         |               |
| WYKI                            | Disolina                      | Dand        | less 8               | 131/22 Time 3:          | Received by: (Signature)                            |                     | 11       | M               | 1            | 0           | Rec         | elved on            | ice:              | 6         | 01      | N                       |           |                                |                         |               |
| Relinguish                      | ed by Sign                    | ature       | Dae                  | THE                     | 14 tattich  | 1 9/1               | 22       | 10              | 7:3          | 0           | T1          |                     |                   | <u>T2</u> |         |                         | _         | <u>T3</u>                      |                         |               |
| Retinquish                      | ed by: (Sign                  | ature)      | Dat                  | e Time                  | Received by: (Signature)                            | Date                |          | Time            |              |             | AVG         | 6 Temp <sup>c</sup> | c                 | 4         |         |                         |           |                                |                         |               |
|                                 |                               |             |                      | Aqueous, O - Other _    |   | Contain             | or Tyn   | 0: 0 -          | olacc        | n .         |             |                     |                   | har al    | acc W   | - VOA                   |           |                                |                         |               |

Printed: 9/1/2022 12:16:14PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

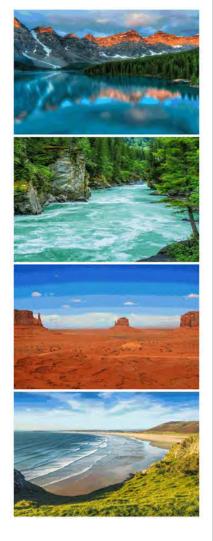
Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

|                 | no response concerning mass remains manning a nouns or the  |                   |            | •                 |                  |                 |                |
|-----------------|---|-------------------|------------|-------------------|------------------|-----------------|----------------|
| Client:         | Pima Environmental Services-Carlsbad  | Date Received:    | 08/31/22 1 | 0:30              |                  | Work Order ID:  | E208192        |
| Phone:          | (575) 631-6977  | Date Logged In:   | 08/31/22 1 | 6:06              |                  | Logged In By:   | Raina Schwanz  |
| Email:          | tom@pimaoil.com   | Due Date:         | 09/06/22 1 | 7:00 (4 day TAT)  |                  |                 |                |
|                 | Custody (COC)   |                   | Vac        |                   |                  |                 |                |
|                 | e sample ID match the COC?  e number of samples per sampling site location mat  | tch the COC       | Yes        |                   |                  |                 |                |
|                 | amples dropped off by client or carrier?  | ien the eoc       | Yes        | C : I             | IDC              |                 |                |
|                 | e COC complete, i.e., signatures, dates/times, reques   | stad analysess?   | Yes<br>No  | Carrier: <u>U</u> | <u> </u>         |                 |                |
|                 | I samples received within holding time?   | sted analyses:    | Yes        |                   |                  |                 |                |
| 3. Were an      | Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.  |                   | 103        |                   |                  | Comments        | s/Resolution   |
| Sample T        | urn Around Time (TAT)   |                   |            |                   | <sub>3.7</sub> 1 | <b>c</b>        |                |
| 6. Did the      | COC indicate standard TAT, or Expedited TAT?  |                   | Yes        |                   |                  | i containers no | ot provided on |
| Sample C        |   |                   |            |                   | COC.             |                 |                |
|                 | ample cooler received?  |                   | Yes        |                   |                  |                 |                |
| 8. If yes, v    | was cooler received in good condition?  |                   | Yes        |                   |                  |                 |                |
| 9. Was the      | e sample(s) received intact, i.e., not broken?  |                   | Yes        |                   |                  |                 |                |
| 10. Were        | custody/security seals present?   |                   | No         |                   |                  |                 |                |
| 11. If yes,     | were custody/security seals intact?   |                   | NA         |                   |                  |                 |                |
|                 | e sample received on ice? If yes, the recorded temp is 4°C,<br>Note: Thermal preservation is not required, if samples ar<br>minutes of sampling<br>visible ice, record the temperature. Actual sample | e received w/i 15 | Yes        |                   |                  |                 |                |
|                 |   | temperature. 4 v  | <u> </u>   |                   |                  |                 |                |
| Sample C        | queous VOC samples present?   |                   | No         |                   |                  |                 |                |
|                 | OC samples collected in VOA Vials?  |                   | NA         |                   |                  |                 |                |
|                 | head space less than 6-8 mm (pea sized or less)?  |                   | NA         |                   |                  |                 |                |
|                 | trip blank (TB) included for VOC analyses?  |                   | NA         |                   |                  |                 |                |
|                 | on-VOC samples collected in the correct containers'   | 9                 | Yes        |                   |                  |                 |                |
|                 | appropriate volume/weight or number of sample contain   |                   | Yes        |                   |                  |                 |                |
| Field Lab       | · · · · · · · · · · · · · · · · · · ·   | ners conceteu:    | 103        |                   |                  |                 |                |
|                 | field sample labels filled out with the minimum info  | ormation:         |            |                   |                  |                 |                |
|                 | imple ID?   | THREE COL         | Yes        |                   |                  |                 |                |
|                 | ate/Time Collected?   |                   | Yes        |                   |                  |                 |                |
| C               | ollectors name?   |                   | No         |                   |                  |                 |                |
| Sample P        | <u>reservation</u>  |                   |            |                   |                  |                 |                |
| 21. Does t      | the COC or field labels indicate the samples were pr  | reserved?         | No         |                   |                  |                 |                |
|                 | mple(s) correctly preserved?  |                   | NA         |                   |                  |                 |                |
| 24. Is lab      | filteration required and/or requested for dissolved n   | netals?           | No         |                   |                  |                 |                |
| <u>Multipha</u> | se Sample Matrix  |                   |            |                   |                  |                 |                |
| 26. Does t      | he sample have more than one phase, i.e., multipha  | se?               | No         |                   |                  |                 |                |
| 27. If yes,     | does the COC specify which phase(s) is to be analy  | yzed?             | NA         |                   |                  |                 |                |
| Subcontr        | act Laboratory  |                   |            |                   |                  |                 |                |
|                 | mples required to get sent to a subcontract laborato  | rv?               | No         |                   |                  |                 |                |
|                 | subcontract laboratory specified by the client and in   | •                 |            | Subcontract Lab   | o: na            |                 |                |
|                 | struction   |                   |            |                   |                  |                 |                |
| Chent In        | struction   |                   |            |                   |                  |                 |                |
|                 |   |                   |            |                   |                  |                 |                |
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|                 |   |                   |            |                   |                  |                 |                |
|                 |   |                   |            |                   |                  |                 |                |

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 44

Work Order: E212113

Job Number: 01058-0007

Received: 12/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/21/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 44

Workorder: E212113

Date Received: 12/20/2022 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2022 1:00:00PM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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### Sample Summary

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Donoutode      |  |
|--------------------------------------|------------------|--------------------------|----------------|--|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |  |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/22 14:56 |  |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| CS-1             | E212113-01A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-2             | E212113-02A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-3             | E212113-03A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-4             | E212113-04A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-5             | E212113-05A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-6             | E212113-06A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-7             | E212113-07A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-8             | E212113-08A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-9             | E212113-09A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-10            | E212113-10A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-11            | E212113-11A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-12            | E212113-12A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-13            | E212113-13A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-14            | E212113-14A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-15            | E212113-15A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-16            | E212113-16A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-17            | E212113-17A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-18            | E212113-18A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-19            | E212113-19A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-20            | E212113-20A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### CS-1 E212113-01

|             | Reporting                               |  |   |   |   |
|-------------|---|--|---|---|---|
| Result      | Limit                                   | Dilution   | Prepared  | Analyzed  | Notes   |
| mg/kg       | mg/kg                                   | Analyst  | : IY  |   | Batch: 2252015  |
| ND          | 0.0250                                  | 1  | 12/20/22  | 12/20/22  |   |
| ND          | 0.0250                                  | 1  | 12/20/22  | 12/20/22  |   |
| ND          | 0.0250                                  | 1  | 12/20/22  | 12/20/22  |   |
| ND          | 0.0250                                  | 1  | 12/20/22  | 12/20/22  |   |
| ND          | 0.0500                                  | 1  | 12/20/22  | 12/20/22  |   |
| ND          | 0.0250                                  | 1  | 12/20/22  | 12/20/22  |   |
|             | 102 %                                   | 70-130   | 12/20/22  | 12/20/22  |   |
|             |   |  |   |   |   |
| mg/kg       | mg/kg                                   | Analyst  | : IY  |   | Batch: 2252015  |
| mg/kg<br>ND | mg/kg<br>20.0                           | Analyst<br>1   | : IY<br>12/20/22  | 12/20/22  | Batch: 2252015  |
|             |   | Analyst 1 70-130   |   | 12/20/22<br>12/20/22  | Batch: 2252015  |
|             | 20.0                                    | 1  | 12/20/22  | -   | Batch: 2252015  Batch: 2252012  |
| ND          | 20.0                                    | 70-130   | 12/20/22  | -   |   |
| ND<br>mg/kg | 20.0<br>99.4 %<br>mg/kg                 | 70-130   | 12/20/22<br>12/20/22<br>:: JL   | 12/20/22  |   |
| ND mg/kg ND | 20.0<br>99.4 %<br>mg/kg<br>25.0         | 70-130   | 12/20/22<br>12/20/22<br>: JL<br>12/20/22  | 12/20/22  |   |
| ND mg/kg ND | 20.0<br>99.4 %<br>mg/kg<br>25.0<br>50.0 | 1 70-130 Analyst 1   | 12/20/22<br>12/20/22<br>: JL<br>12/20/22<br>12/20/22<br>12/20/22  | 12/20/22<br>12/20/22<br>12/20/22  |   |
|             | mg/kg ND ND ND ND ND ND ND              | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0500           ND         0.0250 | Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1 | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22 | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/20/22         12/20/22           ND         0.0500         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22 |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-2**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 99.1 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 93.9 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  |        |           |          | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-3**

|  |        | Reporting |         |            |          |                |
|--|--------|-----------|---------|------------|----------|----------------|
| Analyte  | Result | Limit     | Dilutio | n Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | An      | alyst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1       | 12/20/22   | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1       | 12/20/22   | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1       | 12/20/22   | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1       | 12/20/22   | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1       | 12/20/22   | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1       | 12/20/22   | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130  | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | An      | alyst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1       | 12/20/22   | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 101 %     | 70-130  | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | An      | alyst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1       | 12/20/22   | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1       | 12/20/22   | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 90.5 %    | 50-200  | 12/20/22   | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | An      | alyst: RAS |          | Batch: 2252019 |
| Chloride                                       | ND     | 20.0      | 1       | 12/20/22   | 12/20/22 |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### CS-4

|  |        | Reporting |          |           |          |                |
|--|--------|-----------|----------|-----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared  | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | lyst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22  | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 105 %     | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | lyst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 99.9 %    | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | lyst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22  | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 98.8 %    | 50-200   | 12/20/22  | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | lyst: RAS |          | Batch: 2252019 |
|  |        |           |          |           |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-5**

|  |        | Reporting |          |            |          |                |
|--|--------|-----------|----------|------------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | n Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | An       | alyst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22   | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 105 %     | 70-130   | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | An       | alyst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.3 %    | 70-130   | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | An       | alyst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22   | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 92.7 %    | 50-200   | 12/20/22   | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | An       | alyst: RAS |          | Batch: 2252019 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22   | 12/20/22 | ·              |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-6**

| Reporting |   |   |   |  |   |  |  |
|-----------|---|---|---|--|---|--|--|
| Result    | Limit   | Diluti  | on Prepared   | Analyzed   | Notes   |  |  |
| mg/kg     | mg/kg   | A   | nalyst: IY  |  | Batch: 2252015  |  |  |
| ND        | 0.0250  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 0.0250  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 0.0250  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 0.0250  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 0.0500  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 0.0250  | 1   | 12/20/22  | 12/20/22   |   |  |  |
|           | 104 %   | 70-130  | 12/20/22  | 12/20/22   |   |  |  |
| mg/kg     | mg/kg   | A   | nalyst: IY  |  | Batch: 2252015  |  |  |
| ND        | 20.0  | 1   | 12/20/22  | 12/20/22   |   |  |  |
|           | 98.7 %  | 70-130  | 12/20/22  | 12/20/22   |   |  |  |
| mg/kg     | mg/kg   | A   | nalyst: JL  |  | Batch: 2252012  |  |  |
| ND        | 25.0  | 1   | 12/20/22  | 12/20/22   |   |  |  |
| ND        | 50.0  | 1   | 12/20/22  | 12/20/22   |   |  |  |
|           |   |   |   |  |   |  |  |
|           | 97.0 %  | 50-200  | 12/20/22  | 12/20/22   |   |  |  |
| mg/kg     | 97.0 %<br>mg/kg                               |   | 12/20/22<br>nalyst: RAS   | 12/20/22   | Batch: 2252019  |  |  |
|           | mg/kg  ND | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           IO4 %         mg/kg           ND         20.0           98.7 %         mg/kg           mg/kg         mg/kg           ND         25.0 | Result         Limit         Dilution           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           mg/kg         mg/kg         A           ND         20.0         1           98.7 %         70-130           mg/kg         mg/kg         A           ND         25.0         1 | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22 | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY              Imp/kg         Analyst: IY           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0500         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         70-130         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22         12/20/22 |  |  |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

**CS-7** 

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  | <u>-</u> | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 103 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 99.3 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 92.4 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-8**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  | <u>-</u> | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.9 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 99.1 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-9**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.5 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 96.5 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
| ·  |        |           |          | 12/20/22 | 12/20/22 |                |



### **Sample Data**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-10**

|  |        | E212113-10 |          |          |          |                |
|--|--------|------------|----------|----------|----------|----------------|
|  |        | Reporting  |          |          |          |                |
| Analyte  | Result | Limit      | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg      | Analy    | rst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250     | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250     | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250     | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250     | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %      | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      | Analy    | rst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.7 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      | Analy    | rst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 99.7 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      | Analy    | rst: RAS |          | Batch: 2252019 |
| Chloride                                       | ND     | 20.0       | 1        | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### CS-11

| E212113-11 | ĺ |
|------------|---|
|------------|---|

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.2 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 94.0 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-12**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 97.3 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 99.2 %    | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-13**

|  |        | Reporting |         |             |          |                |
|--|--------|-----------|---------|-------------|----------|----------------|
| Analyte  | Result | Limit     | Dilutio | on Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ar      | nalyst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1       | 12/20/22    | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1       | 12/20/22    | 12/21/22 |                |
| Toluene  | ND     | 0.0250    | 1       | 12/20/22    | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1       | 12/20/22    | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1       | 12/20/22    | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1       | 12/20/22    | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 110 %     | 70-130  | 12/20/22    | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ar      | nalyst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1       | 12/20/22    | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 101 %     | 70-130  | 12/20/22    | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Ar      | nalyst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1       | 12/20/22    | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1       | 12/20/22    | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 97.4 %    | 50-200  | 12/20/22    | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Ar      | nalyst: RAS |          | Batch: 2252019 |
| -  | ND     | 20.0      | 1       | 12/20/22    | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-14**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 97.5 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 101 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  | ND     | 20.0      |          | 12/20/22 | 12/20/22 | <u> </u>       |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-15**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 103 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 97.9 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 97.8 %    | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252019 |
|  | ND     | 20.0      |          | 12/20/22 | 12/20/22 | <u> </u>       |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-16**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analy    | /st: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 103 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analy    | /st: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 98.5 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analy    | /st: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 100 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | st: RAS  |          | Batch: 2252019 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-17**

|        | Reporting   |   |  |  |  |
|--------|---|---|--|--|--|
| Result | Limit   | Dilution  | Prepared   | Analyzed   | Notes  |
| mg/kg  | mg/kg   | Anal  | lyst: IY   |  | Batch: 2252015   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22   |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22   |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22   |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22   |  |
| ND     | 0.0500  | 1   | 12/20/22   | 12/20/22   |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22   |  |
|        | 103 %   | 70-130  | 12/20/22   | 12/20/22   |  |
| mg/kg  | mg/kg   | Anal  | lyst: IY   |  | Batch: 2252015   |
| ND     | 20.0  | 1   | 12/20/22   | 12/20/22   |  |
|        | 97.4 %  | 70-130  | 12/20/22   | 12/20/22   |  |
| mg/kg  | mg/kg   | Anal  | lyst: JL   |  | Batch: 2252012   |
| ND     | 25.0  | 1   | 12/20/22   | 12/21/22   |  |
| ND     | 50.0  | 1   | 12/20/22   | 12/21/22   |  |
|        | 97.1 %  | 50-200  | 12/20/22   | 12/21/22   |  |
| mg/kg  | mg/kg   | Anal  | lyst: RAS  |  | Batch: 2252019   |
|        |   |   |  |  |  |
|        | mg/kg  ND Mg/kg ND | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MD         20.0           97.4 %         mg/kg           ND         25.0           ND         50.0           97.1 % | Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Anal           ND         20.0         1           97.4 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           97.1 %         50-200 | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22           ND         50.0         1         12/20/22           97.1 %         50-200         12/20/22 | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Image: Analyst: IX         Imag |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-18**

|        | ъ .:  |   |  |   |  |
|--------|---|---|--|---|--|
|        |   |   |  |   |  |
| Result | Limit   | Dilution  | Prepared   | Analyzed  | Notes  |
| mg/kg  | mg/kg   | Anal  | yst: IY  |   | Batch: 2252015   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |  |
| ND     | 0.0500  | 1   | 12/20/22   | 12/20/22  |  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |  |
|        | 103 %   | 70-130  | 12/20/22   | 12/20/22  |  |
| mg/kg  | mg/kg   | Anal  | yst: IY  |   | Batch: 2252015   |
| ND     | 20.0  | 1   | 12/20/22   | 12/20/22  |  |
|        | 98.9 %  | 70-130  | 12/20/22   | 12/20/22  |  |
| mg/kg  | mg/kg   | Anal  | yst: JL  |   | Batch: 2252012   |
| ND     | 25.0  | 1   | 12/20/22   | 12/21/22  |  |
| ND     | 50.0  | 1   | 12/20/22   | 12/21/22  |  |
|        | 98.4 %  | 50-200  | 12/20/22   | 12/21/22  |  |
|        |   |   |  |   |  |
| mg/kg  | mg/kg   | Anal  | yst: RAS   |   | Batch: 2252019   |
|        | ND Mg/kg ND | mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           98.9 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0 | Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Anal           ND         20.0         1           98.9 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1 | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22           ND         50.0         1         12/20/22 | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Image: Comparison of the comparison of t |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-19**

|  |        | Reporting |          |           |          |                |
|--|--------|-----------|----------|-----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared  | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ana      | lyst: IY  |          | Batch: 2252015 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22  | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ana      | lyst: IY  |          | Batch: 2252015 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 97.9 %    | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Ana      | lyst: JL  |          | Batch: 2252012 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22  | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22  | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 98.1 %    | 50-200   | 12/20/22  | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | lyst: RAS |          | Batch: 2252019 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
|  |        |           |          |           |          |                |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

#### **CS-20**

| _                              | D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|--------------------------------|---|
| Resu                           | Prepared Analyzed Notes                 |
| <b>A 8021B</b> mg/k            | Batch: 2252015                          |
| NE                             | 12/20/22 12/21/22                       |
| ne-PID                         | 12/20/22 12/21/22                       |
| cs by EPA 8015D - GRO mg/k     | Batch: 2252015                          |
| (6-C10) NE                     | 12/20/22 12/21/22                       |
| nzene-FID                      | 12/20/22 12/21/22                       |
| cs by EPA 8015D - DRO/ORO mg/k | Batch: 2252012                          |
| I-C28) NE                      | 12/20/22 12/21/22                       |
| 36) NE                         | 12/20/22 12/21/22                       |
|                                | 12/20/22 12/21/22                       |
| 56A mg/k                       | S Batch: 2252019                        |
| NE                             | 12/20/22 12/20/22                       |
| 0011                           |   |



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | •                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

| PO Box 247<br>Plains TX, 79355-0247 |        | Project Number:<br>Project Manager: |                | 058-0007<br>om Bynum |      |               |              |              | 12/21/2022 2:56:54PM |
|-------------------------------------|--------|-------------------------------------|----------------|----------------------|------|---------------|--------------|--------------|----------------------|
|                                     |        | Volatile O                          | rganics b      | y EPA 802            | 21B  |               |              |              | Analyst: IY          |
| Analyte                             | Result | Reporting<br>Limit                  | Spike<br>Level | Source<br>Result     | Rec  | Rec<br>Limits | RPD          | RPD<br>Limit |                      |
|                                     | mg/kg  | mg/kg                               | mg/kg          | mg/kg                | %    | %             | %            | %            | Notes                |
| Blank (2252015-BLK1)                |        |                                     |                |                      |      |               | Prepared: 12 | 2/20/22 A    | nalyzed: 12/20/22    |
| Benzene                             | ND     | 0.0250                              |                |                      |      |               |              |              |                      |
| Ethylbenzene                        | ND     | 0.0250                              |                |                      |      |               |              |              |                      |
| Toluene                             | ND     | 0.0250                              |                |                      |      |               |              |              |                      |
| o-Xylene                            | ND     | 0.0250                              |                |                      |      |               |              |              |                      |
| p,m-Xylene                          | ND     | 0.0500                              |                |                      |      |               |              |              |                      |
| Total Xylenes                       | ND     | 0.0250                              |                |                      |      |               |              |              |                      |
| Surrogate: 4-Bromochlorobenzene-PID | 7.88   |                                     | 8.00           |                      | 98.5 | 70-130        |              |              |                      |
| LCS (2252015-BS1)                   |        |                                     |                |                      |      |               | Prepared: 12 | 2/20/22 A    | nalyzed: 12/20/22    |
| Benzene                             | 4.50   | 0.0250                              | 5.00           |                      | 89.9 | 70-130        |              |              |                      |
| Ethylbenzene                        | 4.71   | 0.0250                              | 5.00           |                      | 94.2 | 70-130        |              |              |                      |
| Toluene                             | 4.77   | 0.0250                              | 5.00           |                      | 95.4 | 70-130        |              |              |                      |
| o-Xylene                            | 4.83   | 0.0250                              | 5.00           |                      | 96.6 | 70-130        |              |              |                      |
| p,m-Xylene                          | 9.56   | 0.0500                              | 10.0           |                      | 95.6 | 70-130        |              |              |                      |
| Total Xylenes                       | 14.4   | 0.0250                              | 15.0           |                      | 95.9 | 70-130        |              |              |                      |
| Surrogate: 4-Bromochlorobenzene-PID | 8.00   |                                     | 8.00           |                      | 99.9 | 70-130        |              |              |                      |
| LCS Dup (2252015-BSD1)              |        |                                     |                |                      |      |               | Prepared: 12 | 2/20/22 A    | nalyzed: 12/20/22    |
| Benzene                             | 4.58   | 0.0250                              | 5.00           |                      | 91.6 | 70-130        | 1.87         | 20           |                      |
| Ethylbenzene                        | 4.82   | 0.0250                              | 5.00           |                      | 96.4 | 70-130        | 2.30         | 20           |                      |
| Toluene                             | 4.87   | 0.0250                              | 5.00           |                      | 97.4 | 70-130        | 2.12         | 20           |                      |
| o-Xylene                            | 4.95   | 0.0250                              | 5.00           |                      | 98.9 | 70-130        | 2.44         | 20           |                      |
| p,m-Xylene                          | 9.78   | 0.0500                              | 10.0           |                      | 97.8 | 70-130        | 2.31         | 20           |                      |
| Total Xylenes                       | 14.7   | 0.0250                              | 15.0           |                      | 98.2 | 70-130        | 2.35         | 20           |                      |
|                                     |        |                                     |                |                      |      |               |              |              |                      |

70-130



### **QC Summary Data**

| Pima Environmental Services-Carlsbad PO Box 247 | Project Name: Project Number: | Burton Flat Deep Unit 44<br>01058-0007 | Reported:            |
|---|-------------------------------|--|----------------------|
| Plains TX, 79355-0247                           | Project Manager:              | Tom Bynum                              | 12/21/2022 2:56:54PM |

| Plains TX, 79355-0247                   |        | Project Manager:   |                | m Bynum          |         |               |              | ]            | 12/21/2022 2:56:54PM |
|---|--------|--------------------|----------------|------------------|---------|---------------|--------------|--------------|----------------------|
|   | Non    | halogenated (      | Organics l     | by EPA 801       | 15D - G | RO            |              |              | Analyst: IY          |
| Analyte                                 | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec     | Rec<br>Limits | RPD          | RPD<br>Limit |                      |
|   | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %       | %             | %            | %            | Notes                |
| Blank (2252015-BLK1)                    |        |                    |                |                  |         |               | Prepared: 12 | 2/20/22 Aı   | nalyzed: 12/20/22    |
| Gasoline Range Organics (C6-C10)        | ND     | 20.0               |                |                  |         |               |              |              |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.97   |                    | 8.00           |                  | 99.7    | 70-130        |              |              |                      |
| LCS (2252015-BS2)                       |        |                    |                |                  |         |               | Prepared: 12 | 2/20/22 Aı   | nalyzed: 12/20/22    |
| Gasoline Range Organics (C6-C10)        | 60.9   | 20.0               | 50.0           |                  | 122     | 70-130        |              |              |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.00   |                    | 8.00           |                  | 100     | 70-130        |              |              |                      |
| LCS Dup (2252015-BSD2)                  |        |                    |                |                  |         |               | Prepared: 12 | 2/20/22 Aı   | nalyzed: 12/20/22    |
| Gasoline Range Organics (C6-C10)        | 57.6   | 20.0               | 50.0           |                  | 115     | 70-130        | 5.70         | 20           |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.98   |                    | 8.00           |                  | 99.8    | 70-130        |              |              |                      |

# **QC Summary Data**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | _                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:56:54PM |

| Plains TX, 79355-0247           |        | Project Manage     | r: To          | m Bynum          |           |               |             |              | 12/21/2022 2:56:54PN |
|---------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|-------------|--------------|----------------------|
|                                 | Nonhal | logenated Or       | ganics by      | EPA 8015I        | ) - DRO   | /ORO          |             |              | Analyst: JL          |
| Analyte                         | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec       | Rec<br>Limits | RPD         | RPD<br>Limit |                      |
|                                 | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %         | %             | %           | %            | Notes                |
| Blank (2252012-BLK1)            |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22 A    | .nalyzed: 12/20/22   |
| Diesel Range Organics (C10-C28) | ND     | 25.0               |                |                  |           |               |             |              |                      |
| Dil Range Organics (C28-C36)    | ND     | 50.0               |                |                  |           |               |             |              |                      |
| Surrogate: n-Nonane             | 40.5   |                    | 50.0           |                  | 81.1      | 50-200        |             |              |                      |
| LCS (2252012-BS1)               |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22 A    | nalyzed: 12/20/22    |
| Diesel Range Organics (C10-C28) | 317    | 25.0               | 250            |                  | 127       | 38-132        |             |              |                      |
| Surrogate: n-Nonane             | 41.4   |                    | 50.0           |                  | 82.8      | 50-200        |             |              |                      |
| Matrix Spike (2252012-MS1)      |        |                    |                | Source:          | E212113-1 | 15            | Prepared: 1 | 2/20/22 A    | nalyzed: 12/20/22    |
| Diesel Range Organics (C10-C28) | 233    | 25.0               | 250            | ND               | 93.1      | 38-132        |             |              |                      |
| Surrogate: n-Nonane             | 41.5   |                    | 50.0           |                  | 83.1      | 50-200        |             |              |                      |
| Matrix Spike Dup (2252012-MSD1) |        |                    |                | Source:          | E212113-1 | 15            | Prepared: 1 | 2/20/22 A    | nalyzed: 12/20/22    |
| Diesel Range Organics (C10-C28) | 232    | 25.0               | 250            | ND               | 92.9      | 38-132        | 0.208       | 20           |                      |
| Surrogate: n-Nonane             | 46.0   |                    | 50.0           |                  | 92.0      | 50-200        |             |              |                      |



### **QC Summary Data**

| Pima Environmental Services-Carlsbad<br>PO Box 247<br>Plains TX, 79355-0247 |                 | Project Name:<br>Project Number:<br>Project Manager: | (                       | Burton Flat Deep<br>01058-0007<br>Fom Bynum | Unit 44   |                    |           |                  | <b>Reported:</b> 12/21/2022 2:56:54PM | 4 |
|---|-----------------|--|-------------------------|---|-----------|--------------------|-----------|------------------|---------------------------------------|---|
|   |                 | Anions   | by EPA                  | 300.0/9056A                                 |           |                    |           |                  | Analyst: RAS                          |   |
| Analyte   | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg                          | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg                   | Rec<br>%  | Rec<br>Limits<br>% | RPD<br>%  | RPD<br>Limi<br>% |                                       |   |
| Blank (2252019-BLK1)  |                 |  |                         |   |           |                    | Prepared: | 12/20/22         | Analyzed: 12/20/22                    |   |
| Chloride  | ND              | 20.0   |                         |   |           |                    |           |                  |                                       |   |
| LCS (2252019-BS1)   |                 |  |                         |   |           |                    | Prepared: | 12/20/22         | Analyzed: 12/20/22                    |   |
| Chloride  | 253             | 20.0   | 250                     |   | 101       | 90-110             |           |                  |                                       |   |
| <b>Matrix Spike (2252019-MS1)</b>   |                 |  |                         | Source: 1                                   | E212113-0 | 1                  | Prepared: | 12/20/22         | Analyzed: 12/20/22                    |   |
| Chloride  | 252             | 20.0   | 250                     | ND  | 101       | 80-120             |           |                  |                                       |   |
| Matrix Spike Dup (2252019-MSD1)   |                 |  |                         | Source: 1                                   | E212113-0 | 1                  | Prepared: | 12/20/22         | Analyzed: 12/20/22                    |   |
| Chloride  | 257             | 20.0   | 250                     | ND  | 103       | 80-120             | 2.05      | 20               |                                       |   |

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                |
|--------------------------------------|------------------|--------------------------|----------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/22 14:56 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



| Project | Informatio |
|---------|------------|
|         |            |

Chain of Custody

|        |   |        |   | 2   |
|--------|---|--------|---|-----|
| Dage   | / | of     | 5 | 133 |
| Page _ |   | _ 01 _ |   | è   |

| Client: Pima Environmental Services  | Bill To   |                 |                     |                     | La           | b Us        | e Onl                    | ly             |            |           |       | TAT    |   | EPA Pr        | ogram          |
|--|---|-----------------|---------------------|---------------------|--------------|-------------|--------------------------|----------------|------------|-----------|-------|--------|---|---------------|----------------|
| Project: BUTTON FLAT DEEP VAIT 4   |   |                 | Lab WO#<br>E 2/2/13 |                     |              |             | Job Number<br>0/058-0007 |                |            | 1D        | 2D    | 3D     | Standard                                  | CWA           | SDWA           |
| Project Manager: Tom Bynum   | Address:  |                 |                     |                     |              | 3           |                          |                |            | X         |       |        |   |               |                |
| Address: 5614 N. Lovington Hwy.  | City, State, Zip  |                 |                     |                     |              |             | Analy:                   | sis and        | Metho      | d         |       |        |   |               | RCRA           |
| City, State, Zip Hobbs, NM, 88240  | Phone:  |                 |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| Phone: 580-748-1613  | Email:  |                 | 15                  | 15                  |              |             |                          |                |            |           |       |        |   | State         |                |
| Email: tom@pimaoil.com   |   |                 | y 80                | / 80                | -            | 0           |                          | 0.0            |            | 5         |       |        | NM CO                                     | UT AZ         | TX             |
| Report due by:   | Pima Project # /-/97  |                 | DRO/ORO by          | GRO/DRO by 8015     | ВТЕХ ЬУ 802. | VOC by 8260 | Metals 6010              | Chloride 300.0 |            | S         | ¥     |        | ×   |               |                |
| Time Date No. of C 1 15  |   | Lab             | NO/OR               | NO/OR               | Хbу          | by.         | als 6                    | oride          |            | 200       | 00    |        |   | Remarks       |                |
| Sampled Sampled Matrix Containers Sample ID  |   | Number          | DRO                 | GRO                 | BTE          | VOC         | Met                      | Sh             |            | BGDOC     | верос |        |   | Kemarks       |                |
| 10:05 12/17/22 5 1 CS-   | .1  |                 |                     |                     |              |             |                          |                |            | X         |       |        |   |               |                |
| 10:10 CS-  | 2   | 2               |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| 10:10 CS-  | 3   | 3               |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| 10:20 CS-  | 4   | 4               |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| 10:25 CS-  |   | 5               |                     |                     |              |             |                          |                |            | 1         |       |        |   |               |                |
| 1030 65  | 6   | 0               |                     |                     |              |             |                          |                |            | $\coprod$ |       |        |   |               |                |
| 1035 CS-   |   | 7               |                     |                     |              |             |                          |                |            | Ш         |       |        |   |               | -              |
| 10346 CS-  | 8   | 8               |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| 1045 CS_   | 9   | 9               |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| 1050   | 10  | 10              |                     |                     |              |             |                          |                |            |           |       |        |   |               |                |
| Additional Instructions:   | Devon # 210   | 060             | 74                  | 9                   |              |             |                          |                |            |           |       |        |   |               |                |
| l, (field sampler), attest to the validity and authenticity of this san<br>date or time of collection is considered fraud and may be grounds | ple. I am aware that tampering with or intentionally mislabell for legal action.  Sampled by: | ing the sample  | locati              | on,<br>_ <b>2</b> _ |              |             |                          |                |            |           |       |        | ived on ice the day<br>'C on subsequent d |               | ed or received |
| 1- Serular - 12/15/22  | Received by: (Signature)  | Date 12-19      |                     | Time                | 100          | )           | Rece                     | eived o        | n ice:     | _         | ab U  | se Onl | 1   |               |                |
| Relinquished by: (Signature) Date 12-19-22   | Received by: Algorithm  | 12/201          | re                  | Time<br>13          | :00          | )           | T1                       |                |            | <u>T2</u> |       |        | <u></u>                                   |               |                |
| Relinquished by: (Signature)   | ime Received by: (Signature)  | Date            | /                   | Time                | 5            | 1           | AVG                      | Temp           | °c 4       | (         |       |        |   |               |                |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Ot  | er  | Containe        | Typ                 | é: g -              | glass,       |             |                          |                |            | er gla    | ss, v | - VOA  |   |               |                |
| Note: Samples are discarded 30 days after results are repo   |   | samples will    | be re               | turned              | to clie      | ent or      | dispo                    | sed of a       | t the clie | ent exp   | ense. | The re | port for the an                           | alysis of the | above          |
| samples is applicable only to those samples received by th   | a laboratory with this COC. The liability of the laborator                                    | y is limited to | o the               | amour               | nt paid      | for o       | n the r                  | eport.         |            |           |       |        |   |               |                |



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Project Information

| Chain of | Custody |
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| 1 | of | 5           |
|   | 2  | <b>2</b> of |

| Client: Pima Environmental Services  | Bill To  |               |                 |                 | Lal     | o Us        | e Onl                  | V              |               |           |        | TA          | T   | EPA Pi   | ogram          |
|--|--|---------------|-----------------|-----------------|---------|-------------|------------------------|----------------|---------------|-----------|--------|-------------|---|--|----------------|
| Project: BUTTON FLAT Deep UI   | Attention: Dear  | _             | Lab \           | WO#             | 113     |             | Job N                  | lumb           | r<br>CO       | 1D        |        | 3D          | Standard                                  | CWA  | SDWA           |
| Project Manager: Tom Bynum  Address: 5614 N. Lovington Hwy.  | Address: City, State, Zip  |               | EZ              | 12              | 110     |             |                        |                | 007<br>Method |           |        |             |   |  | RCRA           |
| City, State, Zip Hobbs, NM, 88240  | Phone:   |               |                 |                 |         |             | Tildiy                 |                | IVICENO       | Ì         |        |             |   |  |                |
| Phone: 580-748-1613  | Email:   |               | 015             | 015             |         |             |                        |                |               |           |        |             |   | State  |                |
| Email: tom@pimaoil.com Report due by:  | Pima Project # 1-157   |               | by 8            | by 8            | 8021    | 097         | 9                      | 0.008          |               | N         | ¥      |             | NMI CO                                    | UT AZ  | IX             |
| Time Date No. of   |  | Lab           | DRO/ORO by 8015 | GRO/DRO by 8015 | ( by 8  | VOC by 8260 | Metals 6010            | Chloride 300.0 |               | 1         | (0.)   |             |   |  |                |
| Sampled Sampled Matrix Containers Sar  | mple ID  | Number        | DRO             | GRO             | втех by | VOC         | Met                    | Cho            |               | верос     | варос  |             |   | Remarks  |                |
| 1100 12/17/17 5 1 (  | 25-11  | 11            |                 |                 |         |             |                        |                |               | X         |        |             |   |  |                |
| 1105   | CS-12  | 12            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 1110   | CS-13  | 13            |                 |                 |         |             |                        |                |               | П         |        |             |   |  |                |
| 1115   | S - 14   | 14            |                 |                 |         |             |                        |                |               | Ц         |        |             |   |  |                |
| 1120   | 25-15  | 15            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 1125   | -S-16  | 16            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 1130   | S- 17  | 17            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 1135   | CS-18  | 18            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 1140   | 25-19  | 19            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| 11 45  | S - 20   | 20            |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| Additional Instructions  | 1 De Down  |               |                 |                 |         |             |                        |                |               |           |        |             |   |  |                |
| l, (field sampler), attest to the validity <del>and a</del> uthenticity of<br>date or time of collection is considered fraud and may b | of this sample. I am aware that tampering with or intentionally mislabelling egrounds for legal action.  Sampled by:                 | the sample    | location        | on,             |         |             | Company of the Company | A Town Man     |               |           |        |             | eived on ice the day<br>On subsequent day | Company of the contract of the | ed or received |
| Relinquished by: (Signature)  Date  12 19  Relinquished by: (Signature)  Date  | Time Received by: (Signature)  | Date Date     | 1               | Time            | tod     |             | Rece                   | ived o         | on ice:       | _         | ab U   | se Onl<br>I | ly  |  |                |
| Relinquished by: (Signature) Date  |  | Z Z0 <br>Date | u               | Time            | CC      | ٦           | T1_                    |                |               | <u>T2</u> | -      |             | <u>T3</u>                                 | -  |                |
| $\Omega$   |  |               | -               | 1               |         |             | AVG                    |                |               | _         |        |             |   |  |                |
| Sample Matrick S - Soil, Sd - Solid, Sg - Sludge, A - Aqueo  |  | Container     |                 |                 |         |             |                        |                |               |           |        |             | apart for the an                          | abreie of the  | above          |
|  | are reported unless other arrangements are made. Hazardous saved by the laboratory with this COC. The liability of the laboratory is |               |                 |                 |         |             |                        |                | it the clie   | int ext   | jense. | ine r       | eport for the an                          | alysis of the  | anove          |



Printed: 12/20/2022 1:44:00PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

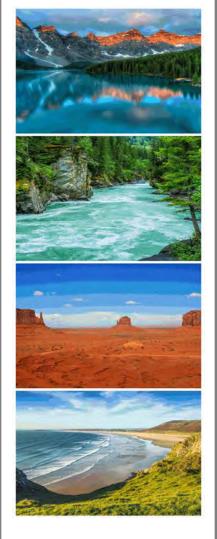
Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| CI: 4       | Pima Environmental Services-Carlsbad   | Date Received:   | 12/20/22 | 12.00             | WIOLE                    | F212112           |
|-------------|--|------------------|----------|-------------------|--------------------------|-------------------|
| Client:     |  |                  | 12/20/22 |                   | Work Order ID:           | E212113           |
| Phone:      | (575) 631-6977   | Date Logged In:  | 12/19/22 |                   | Logged In By:            | Caitlin Christian |
| Email:      | tom@pimaoil.com  | Due Date:        | 12/20/22 | 17:00 (0 day TAT) |                          |                   |
| Chain of    | Custody (COC)  |                  |          |                   |                          |                   |
|             | e sample ID match the COC?   |                  | Yes      |                   |                          |                   |
|             | e number of samples per sampling site location mate  | th the COC       | Yes      |                   |                          |                   |
|             | mples dropped off by client or carrier?  |                  | Yes      | Carrier: <u>U</u> | IPS                      |                   |
| 4. Was the  | COC complete, i.e., signatures, dates/times, request   | ed analyses?     | Yes      |                   | <u></u>                  |                   |
| 5. Were al  | I samples received within holding time?  | •                | Yes      |                   |                          |                   |
|             | Note: Analysis, such as pH which should be conducted in  |                  |          |                   | Comment                  | s/Resolution      |
| C1- T       | i.e, 15 minute hold time, are not included in this disucssio   | n.               |          | 1                 | Comment                  | <u> </u>          |
|             | urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?   |                  | Yes      |                   | Project Burton Flat Dee  | n Unit 44-1 has   |
|             | •  |                  | 168      |                   | been separated into 2 re | •                 |
| Sample C    | ample cooler received?   |                  | Yes      |                   | · •                      | •                 |
|             | vas cooler received in good condition?   |                  | Yes      |                   | amount of samples.E212   | 2113 & E212114.   |
| •           | •  |                  |          |                   |                          |                   |
|             | sample(s) received intact, i.e., not broken?   |                  | Yes      |                   |                          |                   |
|             | custody/security seals present?  |                  | No       |                   |                          |                   |
| •           | were custody/security seals intact?  |                  | NA       |                   |                          |                   |
|             | sample received on ice? If yes, the recorded temp is 4°C, i<br>Note: Thermal preservation is not required, if samples are<br>minutes of sampling | received w/i 15  | Yes      |                   |                          |                   |
|             | isible ice, record the temperature. Actual sample  | temperature: 4°C | 2        |                   |                          |                   |
| Sample C    |  |                  |          |                   |                          |                   |
|             | ueous VOC samples present?   |                  | No       |                   |                          |                   |
|             | OC samples collected in VOA Vials?   |                  | NA       |                   |                          |                   |
|             | head space less than 6-8 mm (pea sized or less)?   |                  | NA       |                   |                          |                   |
|             | trip blank (TB) included for VOC analyses?   |                  | NA       |                   |                          |                   |
|             | on-VOC samples collected in the correct containers?  | 11 - 4 - 40      | Yes      |                   |                          |                   |
|             | ppropriate volume/weight or number of sample contain   | ers collected?   | Yes      |                   |                          |                   |
| Field Lab   | <u>eı                                    </u>  | matian.          |          |                   |                          |                   |
|             | mple ID?   | mation.          | Yes      |                   |                          |                   |
|             | ate/Time Collected?  |                  | Yes      |                   |                          |                   |
| Co          | ollectors name?  |                  | No       |                   |                          |                   |
| Sample P    | <u>reservation</u>   |                  |          |                   |                          |                   |
| 21. Does t  | he COC or field labels indicate the samples were pro   | eserved?         | No       |                   |                          |                   |
|             | mple(s) correctly preserved?   |                  | NA       |                   |                          |                   |
| 24. Is lab  | filteration required and/or requested for dissolved me   | etals?           | No       |                   |                          |                   |
| Multipha    | se Sample Matrix   |                  |          |                   |                          |                   |
| 26. Does t  | he sample have more than one phase, i.e., multiphas  | e?               | No       |                   |                          |                   |
| 27. If yes, | does the COC specify which phase(s) is to be analyst   | zed?             | NA       |                   |                          |                   |
| Subcontra   | act Laboratory   |                  |          |                   |                          |                   |
| 28. Are sa  | mples required to get sent to a subcontract laborator  | y?               | No       |                   |                          |                   |
|             | subcontract laboratory specified by the client and if  |                  | NA       | Subcontract Lab   | : na                     |                   |
| Client In   | struction  |                  |          |                   |                          |                   |
|             |  |                  |          |                   |                          |                   |
|             |  |                  |          |                   |                          |                   |
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|             |  |                  |          |                   |                          |                   |
|             |  |                  |          |                   |                          |                   |

Date

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 44

Work Order: E212114

Job Number: 01058-0007

Received: 12/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/21/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 44

Workorder: E212114

Date Received: 12/20/2022 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2022 1:00:00PM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Donoutoda      |
|--------------------------------------|------------------|--------------------------|----------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/22 14:47 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| CS-21            | E212114-01A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-22            | E212114-02A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-23            | E212114-03A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-24            | E212114-04A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-25            | E212114-05A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-26            | E212114-06A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-27            | E212114-07A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-28            | E212114-08A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-29            | E212114-09A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-30            | E212114-10A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-31            | E212114-11A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CS-32            | E212114-12A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-1            | E212114-13A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-2            | E212114-14A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-3            | E212114-15A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-4            | E212114-16A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-5            | E212114-17A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-6            | E212114-18A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-7            | E212114-19A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-8            | E212114-20A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-9            | E212114-21A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-10           | E212114-22A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-11           | E212114-23A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-12           | E212114-24A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-13           | E212114-25A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-14           | E212114-26A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-15           | E212114-27A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-16           | E212114-28A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |
| CSW-17           | E212114-29A   | Soil   | 12/17/22 | 12/20/22 | Glass Jar, 2 oz. |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CS-21 E212114-01

| Result | Reporting<br>Limit                              | Dilution  | Prepared   | Analyzed  | Notes   |
|--------|---|---|--|---|---|
| mg/kg  | mg/kg   | Ana   | lyst: SL   |   | Batch: 2252016  |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 0.0500  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 0.0250  | 1   | 12/20/22   | 12/20/22  |   |
|        | 101 %   | 70-130  | 12/20/22   | 12/20/22  |   |
| mg/kg  | mg/kg   | Ana   | lyst: SL   |   | Batch: 2252016  |
| ND     | 20.0  | 1   | 12/20/22   | 12/20/22  |   |
|        | 93.8 %  | 70-130  | 12/20/22   | 12/20/22  |   |
| mg/kg  | mg/kg   | Ana   | lyst: JL   |   | Batch: 2252011  |
| ND     | 25.0  | 1   | 12/20/22   | 12/20/22  |   |
| ND     | 50.0  | 1   | 12/20/22   | 12/20/22  |   |
|        | 106 %   | 50-200  | 12/20/22   | 12/20/22  |   |
| mg/kg  | mg/kg   | Ana   | lyst: RAS  |   | Batch: 2252018  |
| ND     | 20.0  | 1   | 12/20/22   | 12/20/22  |   |
|        | mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg | mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           93.8 %         mg/kg           ND         25.0           ND         50.0           106 %         mg/kg           mg/kg         mg/kg | Result         Limit         Dilution           mg/kg         mg/kg         Anai           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Anai           ND         20.0         1           93.8 %         70-130           mg/kg         mg/kg         Anai           ND         25.0         1           ND         50.0         1           106 %         50-200           mg/kg         mg/kg         Anai | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22           ND         50.0         1         12/20/22           ND         50.0         1         12/20/22           ND         50.0         1         12/20/22           ND         50.0         1         12/20/22           mg/kg         mg/kg         Analyst: RAS | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0500         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/20/22         12/20/22           ND         50.0         1         12/20/22         12/20/22           ND         50.0         1         12/20/22         12/20/22           ND         50.0         < |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

**CS-22** 

|  |        | Reporting |          |           |          |                |
|--|--------|-----------|----------|-----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared  | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22  | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 91.4 %    | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | lyst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | 25.7   | 25.0      | 1        | 12/20/22  | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 109 %     | 50-200   | 12/20/22  | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Ana      | lyst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
| Cinoriac                                       | 1112   | 20.0      |          |           |          |                |



| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

**CS-23** 

|  |          | Reporting |          |          |          |                |
|--|----------|-----------|----------|----------|----------|----------------|
| Analyte  | Result   | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg    | mg/kg     | Analy    | st: SL   | <u>-</u> | Batch: 2252016 |
| Benzene  | ND       | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND       | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND       | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND       | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND       | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND       | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |          | 110 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg    | mg/kg     | Analy    | st: SL   |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND       | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |          | 94.8 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg    | mg/kg     | Analy    | st: JL   |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND       | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND       | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |          | 108 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg    | mg/kg     | Analy    | st: RAS  |          | Batch: 2252018 |
|  | <u> </u> | <u> </u>  | <u> </u> |          |          | <u> </u>       |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-24**

|  |        | ъ .:      |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
|  |        | Reporting |          |          |          |                |
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 94.2 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 108 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

**CS-25** 

|  |        | Reporting |          |           |          |                |
|--|--------|-----------|----------|-----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared  | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| p-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| o,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22  | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 103 %     | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 93.5 %    | 70-130   | 12/20/22  | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Ana      | lyst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22  | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22  | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 110 %     | 50-200   | 12/20/22  | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Ana      | lyst: RAS |          | Batch: 2252018 |
| · ·  | ND     | 20.0      |          | 12/20/22  | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-26**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  | <u>-</u> | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 95.1 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 105 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | yst: RAS |          | Batch: 2252018 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-27**

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 101 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 90.5 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 106 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-28**

|  |        | ъ.        |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
|  |        | Reporting |          |          |          |                |
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 94.7 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 110 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-29**

|  |        | Reporting |          |            |          |                |
|--|--------|-----------|----------|------------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared   | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ana      | ılyst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22   | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ana      | ılyst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 93.3 %    | 70-130   | 12/20/22   | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Ana      | ılyst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22   | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22   | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 108 %     | 50-200   | 12/20/22   | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Ana      | ılyst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22   | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

**CS-30** 

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 98.4 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 94.6 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/20/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: n-Nonane                            |        | 108 %     | 50-200   | 12/20/22 | 12/20/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252018 |
| Amons by ETA 500.0/3050A                       |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-31**

| Prepared SL 12/20/22 | Analyzed   | Notes  Batch: 2252016   |
|----------------------|--|---|
| SL<br>12/20/22       |  |   |
| 12/20/22             | 12/20/22   | Batch: 2252016  |
|                      | 12/20/22   |   |
|                      | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| SL                   |  | Batch: 2252016  |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| JL                   |  | Batch: 2252011  |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
| 12/20/22             | 12/20/22   |   |
|                      |  |   |
| RAS                  |  | Batch: 2252018  |
|                      | 12/20/22<br>12/20/22<br>12/20/22<br>12/20/22<br>SL<br>12/20/22<br>12/20/22<br>JL<br>12/20/22 | 12/20/22 12/20/22<br>12/20/22 12/20/22<br>12/20/22 12/20/22<br>12/20/22 12/20/22<br>SL  12/20/22 12/20/22  12/20/22 12/20/22  JL  12/20/22 12/20/22 |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CS-32**

|  |        | Reporting      |          |                      |          |                |
|--|--------|----------------|----------|----------------------|----------|----------------|
| Analyte  | Result | Limit          | Dilution | Prepared             | Analyzed | Notes          |
| Volatile Organics by EPA 8021B   | mg/kg  | mg/kg          | Anal     | yst: SL              |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250         | 1        | 12/20/22             | 12/20/22 |                |
| Ethylbenzene   | ND     | 0.0250         | 1        | 12/20/22             | 12/20/22 |                |
| Toluene  | ND     | 0.0250         | 1        | 12/20/22             | 12/20/22 |                |
| o-Xylene   | ND     | 0.0250         | 1        | 12/20/22             | 12/20/22 |                |
| p,m-Xylene   | ND     | 0.0500         | 1        | 12/20/22             | 12/20/22 |                |
| Total Xylenes  | ND     | 0.0250         | 1        | 12/20/22             | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID  |        | 98.9 %         | 70-130   | 12/20/22             | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO                                 | mg/kg  | mg/kg          | Anal     | yst: SL              |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)   | ND     | 20.0           | 1        | 12/20/22             | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID                                    |        | 92.7 %         | 70-130   | 12/20/22             | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO                             | mg/kg  | mg/kg          | Anal     | yst: JL              |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)  | ND     | 25.0           | 1        | 12/20/22             | 12/20/22 |                |
|  | ND     | 50.0           | 1        | 12/20/22             | 12/20/22 |                |
| Oil Range Organics (C28-C36)   |        |                |          |                      |          |                |
|  |        | 108 %          | 50-200   | 12/20/22             | 12/20/22 |                |
| Oil Range Organics (C28-C36) Surrogate: n-Nonane Anions by EPA 300.0/9056A | mg/kg  | 108 %<br>mg/kg |          | 12/20/22<br>yst: RAS | 12/20/22 | Batch: 2252018 |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-1

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analys   | t: SL    |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 104 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analys   | t: SL    |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 93.8 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analys   | t: JL    |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 110 %     | 50-200   | 12/20/22 | 12/21/22 |                |
|  |        |           |          |          |          |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analys   | t: RAS   |          | Batch: 2252018 |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-2

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analy    | rst: SL  | <u>-</u> | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 99.7 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analy    | rst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 92.4 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analy    | rst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 106 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | rst: RAS |          | Batch: 2252018 |
|  | ND     | 20.0      | ·        | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-3

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analy    | /st: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 102 %     | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analy    | vst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 97.6 %    | 70-130   | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analy    | vst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 107 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | vst: RAS |          | Batch: 2252018 |
|  | ND     |           |          | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-4

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analy    | yst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 99.6 %    | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analy    | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 96.3 %    | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analy    | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 110 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | yst: RAS |          | Batch: 2252018 |
| Chloride                                       | ND     | 20.0      | 1        | 12/20/22 | 12/20/22 |                |
|  |        |           |          |          |          |                |

| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-5

|  |        | Reporting |          |           |          |                |
|--|--------|-----------|----------|-----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared  | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22  | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22  | 12/21/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22  | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22  | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22  | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22  | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 99.7 %    | 70-130   | 12/20/22  | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Ana      | lyst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22  | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 93.4 %    | 70-130   | 12/20/22  | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Ana      | lyst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22  | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22  | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 108 %     | 50-200   | 12/20/22  | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Ana      | lyst: RAS |          | Batch: 2252018 |
|  |        |           |          |           | 12/20/22 |                |



| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-6

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Anal     | yst: SL  | <u>-</u> | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 101 %     | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Anal     | yst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 93.0 %    | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Anal     | yst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 111 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Anal     | yst: RAS |          | Batch: 2252018 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-7

|  |        | Reporting |          |          |          |                |
|--|--------|-----------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg     | Analy    | rst: SL  |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Toluene  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1        | 12/20/22 | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 99.1 %    | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | Analy    | rst: SL  |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 94.4 %    | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | Analy    | rst: JL  |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 112 %     | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | Analy    | rst: RAS |          | Batch: 2252018 |
|  |        |           |          |          |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-8

|  |        | Donoutino          |          |          |          |                |
|--|--------|--------------------|----------|----------|----------|----------------|
| Analyte  | Result | Reporting<br>Limit | Dilution | Prepared | Analyzed | Notes          |
| Volatile Organics by EPA 8021B                 | mg/kg  | mg/kg              | Analy    |          |          | Batch: 2252016 |
| Benzene  | ND     | 0.0250             | 1        | 12/20/22 | 12/21/22 |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1        | 12/20/22 | 12/21/22 |                |
| Toluene  | ND     | 0.0250             | 1        | 12/20/22 | 12/21/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1        | 12/20/22 | 12/21/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1        | 12/20/22 | 12/21/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 4-Bromochlorobenzene-PID            |        | 99.0 %             | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              | Analy    | st: SL   |          | Batch: 2252016 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: 1-Chloro-4-fluorobenzene-FID        |        | 99.9 %             | 70-130   | 12/20/22 | 12/21/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | Analy    | st: JL   |          | Batch: 2252011 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 121 %              | 50-200   | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | Analy    | st: RAS  |          | Batch: 2252018 |
|  |        |                    |          |          |          |                |



| Pima Environmental Services-Carlsb | ad Project Name: | Burton Flat Deep Unit 44 |                      |
|------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                         | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247              | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-9

|  |        | E212114-21 |        |          |          |          |                |
|--|--------|------------|--------|----------|----------|----------|----------------|
|  |        | Reporting  |        |          |          |          |                |
| Analyte  | Result | Limit      | Dil    | ution    | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      |        | Analyst: | IY       |          | Batch: 2252017 |
| Benzene  | ND     | 0.0250     |        | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     |        | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250     |        | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250     |        | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     |        | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250     |        | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 98.2 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 97.3 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 103 %      | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      |        | Analyst: | IY       |          | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       |        | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 98.2 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 97.3 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 103 %      | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      |        | Analyst: | JL       |          | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       |        | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       |        | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 113 %      | 50-200 |          | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      |        | Analyst: | RAS      |          | Batch: 2252020 |
| Chloride                                       | ND     | 20.0       |        | 1        | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CSW-10**

|  |        | E212114-22 |        |              |          |                |
|--|--------|------------|--------|--------------|----------|----------------|
|  |        | Reporting  |        |              |          |                |
| Analyte  | Result | Limit      | Dilut  | ion Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      | A      | Analyst: IY  |          | Batch: 2252017 |
| Benzene  | ND     | 0.0250     | 1      | 12/20/22     | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     | 1      | 12/20/22     | 12/20/22 |                |
| Toluene  | ND     | 0.0250     | 1      | 12/20/22     | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250     | 1      | 12/20/22     | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     | 1      | 12/20/22     | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250     | 1      | 12/20/22     | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 96.0 %     | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.3 %     | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %      | 70-130 | 12/20/22     | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      | A      | Analyst: IY  |          | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       | 1      | 12/20/22     | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 96.0 %     | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.3 %     | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 107 %      | 70-130 | 12/20/22     | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      | A      | Analyst: JL  |          | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       | 1      | 12/20/22     | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       | 1      | 12/20/22     | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 110 %      | 50-200 | 12/20/22     | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      | A      | Analyst: RAS |          | Batch: 2252020 |
| Chloride                                       | ND     | 20.0       | 1      | 12/20/22     | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### **CSW-11**

|  |        | E212114-23 |        |              |             |                |
|--|--------|------------|--------|--------------|-------------|----------------|
|  |        | Reporting  |        |              |             |                |
| Analyte  | Result | Limit      | Dilut  | tion Prepar  | ed Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg      | A      | Analyst: IY  |             | Batch: 2252017 |
| Benzene  | ND     | 0.0250     | 1      | 12/20/2      | 22 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250     | 1      | 12/20/2      | 22 12/20/22 |                |
| Toluene  | ND     | 0.0250     | 1      | 12/20/2      | 22 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250     | 1      | 12/20/2      | 22 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500     | 1      | 12/20/2      | 22 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250     | 1      | 12/20/2      | 22 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.1 %     | 70-130 | 12/20/       | 22 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %      | 70-130 | 12/20/.      | 22 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %      | 70-130 | 12/20/       | 22 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg      | A      | Analyst: IY  |             | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0       | 1      | 12/20/2      | 22 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 99.1 %     | 70-130 | 12/20/.      | 22 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %      | 70-130 | 12/20/       | 22 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 104 %      | 70-130 | 12/20/       | 22 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg      | A      | Analyst: JL  |             | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0       | 1      | 12/20/2      | 22 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0       | 1      | 12/20/2      | 22 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 110 %      | 50-200 | 12/20/.      | 22 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg      | A      | Analyst: RAS |             | Batch: 2252020 |
| Chloride                                       | ND     | 20.0       | 1      | 12/20/2      | 22 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-12 E212114-24

|  |        | 11212117-27        |        |              |          |                |
|--|--------|--------------------|--------|--------------|----------|----------------|
| Analyte  | Result | Reporting<br>Limit | Diluti | ion Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              | A      | analyst: IY  |          | Batch: 2252017 |
| Benzene  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22 | Butch: 2232017 |
| Ethylbenzene                                   | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22 |                |
| Toluene  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 12/20/22     | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 100 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 109 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg              | A      | analyst: IY  |          | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 12/20/22     | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 100 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 100 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 109 %              | 70-130 | 12/20/22     | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              | A      | nalyst: JL   |          | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 12/20/22     | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 12/20/22     | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 108 %              | 50-200 | 12/20/22     | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | A      | analyst: RAS |          | Batch: 2252020 |
| Chloride                                       | ND     | 20.0               | 1      | 12/20/22     | 12/20/22 |                |
|  |        |                    |        |              |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-13 E212114-25

|  |        | Reporting |        |              |       |          |                |
|--|--------|-----------|--------|--------------|-------|----------|----------------|
| Analyte  | Result | Limit     | Dilut  | tion Prep    | ared  | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     | 1      | Analyst: IY  |       |          | Batch: 2252017 |
| Benzene  | ND     | 0.0250    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    | 1      | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.2 %    | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.3 %    | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %     | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     | 1      | Analyst: IY  |       |          | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      | 1      | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.2 %    | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 99.3 %    | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 105 %     | 70-130 | 12/2         | 20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     | 1      | Analyst: JL  |       |          | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      | 1      | 12/2         | 20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      | 1      | 12/2         | 20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 109 %     | 50-200 | 12/2         | 20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     | 1      | Analyst: RAS |       |          | Batch: 2252020 |
| Chloride                                       | ND     | 20.0      | 1      | 12/2         | 20/22 | 12/20/22 |                |
|  |        |           |        |              |       |          |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-14 E212114-26

|  |        | Reporting |        |          |          |          |                |
|--|--------|-----------|--------|----------|----------|----------|----------------|
| Analyte  | Result | Limit     | Dili   | ution    | Prepared | Analyzed | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg     |        | Analyst: | IY       |          | Batch: 2252017 |
| Benzene  | ND     | 0.0250    |        | 1        | 12/20/22 | 12/20/22 |                |
| Ethylbenzene                                   | ND     | 0.0250    |        | 1        | 12/20/22 | 12/20/22 |                |
| Toluene  | ND     | 0.0250    |        | 1        | 12/20/22 | 12/20/22 |                |
| o-Xylene                                       | ND     | 0.0250    |        | 1        | 12/20/22 | 12/20/22 |                |
| p,m-Xylene                                     | ND     | 0.0500    |        | 1        | 12/20/22 | 12/20/22 |                |
| Total Xylenes                                  | ND     | 0.0250    |        | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.0 %    | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 98.6 %    | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 100 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | mg/kg     |        | Analyst: | IY       |          | Batch: 2252017 |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0      |        | 1        | 12/20/22 | 12/20/22 |                |
| Surrogate: Bromofluorobenzene                  |        | 97.0 %    | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 98.6 %    | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Surrogate: Toluene-d8                          |        | 100 %     | 70-130 |          | 12/20/22 | 12/20/22 |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg     |        | Analyst: | JL       |          | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0      |        | 1        | 12/20/22 | 12/21/22 |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0      |        | 1        | 12/20/22 | 12/21/22 |                |
| Surrogate: n-Nonane                            |        | 109 %     | 50-200 |          | 12/20/22 | 12/21/22 |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg     |        | Analyst: | RAS      |          | Batch: 2252020 |
| Chloride                                       | ND     | 20.0      |        | 1        | 12/20/22 | 12/20/22 |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-15 E212114-27

|        | 221211127                                     |  |   |   |   |
|--------|---|--|---|---|---|
| Result | Reporting<br>Limit                            |  | n Prepared  | Analyzed  | Notes   |
|        |   |  | 1   |   | Batch: 2252017  |
|        |   | 1  | -   | 12/20/22  | Buten: 2202017  |
|        |   | 1  | 12/20/22  | 12/20/22  |   |
|        |   | 1  | 12/20/22  | 12/20/22  |   |
| ND     | 0.0250  | 1  | 12/20/22  | 12/20/22  |   |
| ND     | 0.0500  | 1  | 12/20/22  | 12/20/22  |   |
| ND     | 0.0250  | 1  | 12/20/22  | 12/20/22  |   |
|        | 98.7 %  | 70-130   | 12/20/22  | 12/20/22  |   |
|        | 96.7 %  | 70-130   | 12/20/22  | 12/20/22  |   |
|        | 106 %   | 70-130   | 12/20/22  | 12/20/22  |   |
| mg/kg  | mg/kg   | An   | alyst: IY   |   | Batch: 2252017  |
| ND     | 20.0  | 1  | 12/20/22  | 12/20/22  |   |
|        | 98.7 %  | 70-130   | 12/20/22  | 12/20/22  |   |
|        | 96.7 %  | 70-130   | 12/20/22  | 12/20/22  |   |
|        | 106 %   | 70-130   | 12/20/22  | 12/20/22  |   |
| mg/kg  | mg/kg   | An   | alyst: JL   |   | Batch: 2252013  |
| ND     | 25.0  | 1  | 12/20/22  | 12/21/22  |   |
| ND     | 50.0  | 1  | 12/20/22  | 12/21/22  |   |
|        | 113 %   | 50-200   | 12/20/22  | 12/21/22  |   |
|        |   |  |   |   |   |
| mg/kg  | mg/kg   | Ana  | alyst: RAS  |   | Batch: 2252020  |
|        | mg/kg  ND | Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           98.7 %         96.7 %           106 %         mg/kg           ND         20.0           98.7 %         96.7 %           106 %         106 %           mg/kg         mg/kg           ND         25.0           ND         50.0 | Result         Limit         Dilution           mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         96.7 %         70-130           96.7 %         70-130         1           mg/kg         mg/kg         An           ND         20.0         1           98.7 %         70-130         1           96.7 %         70-130         1           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1 | Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0250         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0500         1         12/20/22           ND         0.0250         1         12/20/22           ND         70-130         12/20/22           96.7 %         70-130         12/20/22           106 %         70-130         12/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/20/22           96.7 %         70-130         12/20/22           106 %         70-130         12/20/22           106 %         70-130         12/20/22           106 %         70-130         12/20/22           106 %         70-130         12/20/22           ND         25.0         1         12/20/22           ND         50.0         1         12/20/22           ND | Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0500         1         12/20/22         12/20/22           ND         0.0500         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           ND         0.0250         1         12/20/22         12/20/22           98.7 %         70-130         12/20/22         12/20/22           106 %         70-130         12/20/22         12/20/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         12/20/22         12/20/22           106 %         70-130         12/20/22         12/20/22           106 %         70-130         12/20/22         12/20/22           106 %         70-130         12/20/22         12/20/22           106 %         70-130< |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-16 E212114-28

|  |        | 1212117-20              |         |                |                |                |
|--|--------|-------------------------|---------|----------------|----------------|----------------|
| Analyte  | Result | Reporting<br>Limit      | Dilutio | n Prepared     | Analyzed       | Notes          |
| Allaryte                                       | Result | Limit                   | Dilutio | ii Frepared    | Allalyzed      | Notes          |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg                   | An      | alyst: IY      |                | Batch: 2252017 |
| Benzene  | ND     | 0.0250                  | 1       | 12/20/22       | 12/20/22       |                |
| Ethylbenzene                                   | ND     | 0.0250                  | 1       | 12/20/22       | 12/20/22       |                |
| Toluene  | ND     | 0.0250                  | 1       | 12/20/22       | 12/20/22       |                |
| o-Xylene                                       | ND     | 0.0250                  | 1       | 12/20/22       | 12/20/22       |                |
| p,m-Xylene                                     | ND     | 0.0500                  | 1       | 12/20/22       | 12/20/22       |                |
| Total Xylenes                                  | ND     | 0.0250                  | 1       | 12/20/22       | 12/20/22       |                |
| Surrogate: Bromofluorobenzene                  | ·      | 96.3 %                  | 70-130  | 12/20/22       | 12/20/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 96.3 %                  | 70-130  | 12/20/22       | 12/20/22       |                |
| Surrogate: Toluene-d8                          |        | 104 %                   | 70-130  | 12/20/22       | 12/20/22       |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | ng/kg mg/kg Analyst: IY |         | Batch: 2252017 |                |                |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0                    | 1       | 12/20/22       | 12/20/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 96.3 %                  | 70-130  | 12/20/22       | 12/20/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 96.3 %                  | 70-130  | 12/20/22       | 12/20/22       |                |
| Surrogate: Toluene-d8                          |        | 104 %                   | 70-130  | 12/20/22       | 12/20/22       |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg                   | An      | alyst: JL      | Batch: 2252013 |                |
| Diesel Range Organics (C10-C28)                | ND     | 25.0                    | 1       | 12/20/22       | 12/21/22       |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0                    | 1       | 12/20/22       | 12/21/22       |                |
| Surrogate: n-Nonane                            |        | 112 %                   | 50-200  | 12/20/22       | 12/21/22       |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg                   | An      | Analyst: RAS   |                | Batch: 2252020 |
| Chloride                                       | ND     | 20.0                    | 1       | 12/20/22       | 12/20/22       |                |
|  |        |                         |         |                |                |                |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                      |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | Reported:            |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

### CSW-17 E212114-29

|  |        | 11212117-27        |        |              |                |                |
|--|--------|--------------------|--------|--------------|----------------|----------------|
| Analyte  | Result | Reporting<br>Limit | Diluti | ion Prepared | Analyzed       | Notes          |
| · ·  |        |                    |        | Analyst: IY  | 7 Hidiy 200    | Batch: 2252017 |
| Volatile Organic Compounds by EPA 8260B        | mg/kg  | mg/kg              | A      |              | 10/00/00       | Batch: 2232017 |
| Benzene  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22       |                |
| Ethylbenzene                                   | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22       |                |
| Toluene  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22       |                |
| o-Xylene                                       | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22       |                |
| p,m-Xylene                                     | ND     | 0.0500             | 1      | 12/20/22     | 12/20/22       |                |
| Total Xylenes                                  | ND     | 0.0250             | 1      | 12/20/22     | 12/20/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 96.0 %             | 70-130 | 12/20/22     | 12/20/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 103 %              | 70-130 | 12/20/22     | 12/20/22       |                |
| Surrogate: Toluene-d8                          |        | 107 %              | 70-130 | 12/20/22     | 12/20/22       |                |
| Nonhalogenated Organics by EPA 8015D - GRO     | mg/kg  | g/kg mg/kg         |        | Analyst: IY  | Batch: 2252017 |                |
| Gasoline Range Organics (C6-C10)               | ND     | 20.0               | 1      | 12/20/22     | 12/20/22       |                |
| Surrogate: Bromofluorobenzene                  |        | 96.0 %             | 70-130 | 12/20/22     | 12/20/22       |                |
| Surrogate: 1,2-Dichloroethane-d4               |        | 103 %              | 70-130 | 12/20/22     | 12/20/22       |                |
| Surrogate: Toluene-d8                          |        | 107 %              | 70-130 | 12/20/22     | 12/20/22       |                |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg  | mg/kg              |        | Analyst: JL  |                | Batch: 2252013 |
| Diesel Range Organics (C10-C28)                | ND     | 25.0               | 1      | 12/20/22     | 12/21/22       |                |
| Oil Range Organics (C28-C36)                   | ND     | 50.0               | 1      | 12/20/22     | 12/21/22       |                |
| Surrogate: n-Nonane                            |        | 108 %              | 50-200 | 12/20/22     | 12/21/22       |                |
| Anions by EPA 300.0/9056A                      | mg/kg  | mg/kg              | Α      | Analyst: RAS |                | Batch: 2252020 |
| Chloride                                       | ND     | 20.0               | 1      | 12/20/22     | 12/20/22       |                |
|  |        |                    |        |              |                |                |



### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Burton Flat Deep Unit 44Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum12/21/20222:47:49PM

| Plains TX, 79355-0247            |        | Project Manage     | r: To          | om Bynum         |          |               |              | 12/          | 21/2022 2:47:49PI |
|----------------------------------|--------|--------------------|----------------|------------------|----------|---------------|--------------|--------------|-------------------|
|                                  | V      | olatile Organ      | ic Compo       | unds by EI       | PA 82601 | В             |              |              | Analyst: IY       |
| Analyte                          | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec      | Rec<br>Limits | RPD          | RPD<br>Limit |                   |
|                                  | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %        | %             | %            | %            | Notes             |
| Blank (2252017-BLK1)             |        |                    |                |                  |          |               | Prepared: 12 | 2/20/22 Ana  | lyzed: 12/20/22   |
| Benzene                          | ND     | 0.0250             |                |                  |          |               |              |              |                   |
| Ethylbenzene                     | ND     | 0.0250             |                |                  |          |               |              |              |                   |
| Toluene                          | ND     | 0.0250             |                |                  |          |               |              |              |                   |
| o-Xylene                         | ND     | 0.0250             |                |                  |          |               |              |              |                   |
| p,m-Xylene                       | ND     | 0.0500             |                |                  |          |               |              |              |                   |
| Total Xylenes                    | ND     | 0.0250             |                |                  |          |               |              |              |                   |
| Surrogate: Bromofluorobenzene    | 0.461  |                    | 0.500          |                  | 92.2     | 70-130        |              |              |                   |
| Surrogate: 1,2-Dichloroethane-d4 | 0.452  |                    | 0.500          |                  | 90.4     | 70-130        |              |              |                   |
| Surrogate: Toluene-d8            | 0.529  |                    | 0.500          |                  | 106      | 70-130        |              |              |                   |
| LCS (2252017-BS1)                |        |                    |                |                  |          |               | Prepared: 12 | 2/20/22 Ana  | lyzed: 12/20/22   |
| Benzene                          | 2.20   | 0.0250             | 2.50           |                  | 87.9     | 70-130        |              |              |                   |
| Ethylbenzene                     | 2.28   | 0.0250             | 2.50           |                  | 91.1     | 70-130        |              |              |                   |
| Toluene                          | 2.18   | 0.0250             | 2.50           |                  | 87.3     | 70-130        |              |              |                   |
| o-Xylene                         | 2.17   | 0.0250             | 2.50           |                  | 86.9     | 70-130        |              |              |                   |
| p,m-Xylene                       | 4.32   | 0.0500             | 5.00           |                  | 86.3     | 70-130        |              |              |                   |
| Total Xylenes                    | 6.49   | 0.0250             | 7.50           |                  | 86.5     | 70-130        |              |              |                   |
| Surrogate: Bromofluorobenzene    | 0.507  |                    | 0.500          |                  | 101      | 70-130        |              |              |                   |
| Surrogate: 1,2-Dichloroethane-d4 | 0.483  |                    | 0.500          |                  | 96.6     | 70-130        |              |              |                   |
| Surrogate: Toluene-d8            | 0.521  |                    | 0.500          |                  | 104      | 70-130        |              |              |                   |
| LCS Dup (2252017-BSD1)           |        |                    |                |                  |          |               | Prepared: 12 | 2/20/22 Ana  | lyzed: 12/20/22   |
| Benzene                          | 2.44   | 0.0250             | 2.50           |                  | 97.7     | 70-130        | 10.5         | 23           |                   |
| Ethylbenzene                     | 2.46   | 0.0250             | 2.50           |                  | 98.4     | 70-130        | 7.71         | 27           |                   |
| Toluene                          | 2.39   | 0.0250             | 2.50           |                  | 95.5     | 70-130        | 8.90         | 24           |                   |
| o-Xylene                         | 2.28   | 0.0250             | 2.50           |                  | 91.4     | 70-130        | 5.00         | 27           |                   |
| p,m-Xylene                       | 4.57   | 0.0500             | 5.00           |                  | 91.3     | 70-130        | 5.66         | 27           |                   |
| Total Xylenes                    | 6.85   | 0.0250             | 7.50           |                  | 91.3     | 70-130        | 5.44         | 27           |                   |
| Surrogate: Bromofluorobenzene    | 0.517  |                    | 0.500          |                  | 103      | 70-130        |              |              |                   |
| Surrogate: 1,2-Dichloroethane-d4 | 0.509  |                    | 0.500          |                  | 102      | 70-130        |              |              |                   |
| ×                                |        |                    |                |                  |          |               |              |              |                   |

0.500

103

70-130

0.515



Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               |                      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

| PO Box 247<br>Plains TX, 79355-0247 |        | Project Number:<br>Project Manager: |                | 058-0007<br>om Bynum |      |               |              | 1            | 2/21/2022 2:47:49PM |
|-------------------------------------|--------|-------------------------------------|----------------|----------------------|------|---------------|--------------|--------------|---------------------|
|                                     |        | Volatile O                          | rganics b      | y EPA 802            | 21B  |               |              |              | Analyst: SL         |
| Analyte                             | Result | Reporting<br>Limit                  | Spike<br>Level | Source<br>Result     | Rec  | Rec<br>Limits | RPD          | RPD<br>Limit |                     |
|                                     | mg/kg  | mg/kg                               | mg/kg          | mg/kg                | %    | %             | %            | %            | Notes               |
| Blank (2252016-BLK1)                |        |                                     |                |                      |      | ]             | Prepared: 12 | 2/20/22 An   | alyzed: 12/20/22    |
| Benzene                             | ND     | 0.0250                              |                |                      |      |               |              |              |                     |
| Ethylbenzene                        | ND     | 0.0250                              |                |                      |      |               |              |              |                     |
| Toluene                             | ND     | 0.0250                              |                |                      |      |               |              |              |                     |
| o-Xylene                            | ND     | 0.0250                              |                |                      |      |               |              |              |                     |
| ,m-Xylene                           | ND     | 0.0500                              |                |                      |      |               |              |              |                     |
| Total Xylenes                       | ND     | 0.0250                              |                |                      |      |               |              |              |                     |
| Surrogate: 4-Bromochlorobenzene-PID | 7.86   |                                     | 8.00           |                      | 98.2 | 70-130        |              |              |                     |
| LCS (2252016-BS1)                   |        |                                     |                |                      |      | 1             | Prepared: 12 | 2/20/22 An   | alyzed: 12/20/22    |
| Benzene                             | 4.48   | 0.0250                              | 5.00           |                      | 89.5 | 70-130        |              |              |                     |
| Ethylbenzene                        | 4.70   | 0.0250                              | 5.00           |                      | 93.9 | 70-130        |              |              |                     |
| Toluene                             | 4.76   | 0.0250                              | 5.00           |                      | 95.2 | 70-130        |              |              |                     |
| -Xylene                             | 4.85   | 0.0250                              | 5.00           |                      | 97.0 | 70-130        |              |              |                     |
| o,m-Xylene                          | 9.52   | 0.0500                              | 10.0           |                      | 95.2 | 70-130        |              |              |                     |
| Total Xylenes                       | 14.4   | 0.0250                              | 15.0           |                      | 95.8 | 70-130        |              |              |                     |
| Surrogate: 4-Bromochlorobenzene-PID | 8.03   |                                     | 8.00           |                      | 100  | 70-130        |              |              |                     |
| LCS Dup (2252016-BSD1)              |        |                                     |                |                      |      | ]             | Prepared: 12 | 2/20/22 An   | alyzed: 12/20/22    |
| Benzene                             | 4.33   | 0.0250                              | 5.00           |                      | 86.6 | 70-130        | 3.31         | 20           |                     |
| Ethylbenzene                        | 4.55   | 0.0250                              | 5.00           |                      | 91.1 | 70-130        | 3.09         | 20           |                     |
| Toluene                             | 4.61   | 0.0250                              | 5.00           |                      | 92.1 | 70-130        | 3.28         | 20           |                     |
| -Xylene                             | 4.70   | 0.0250                              | 5.00           |                      | 94.0 | 70-130        | 3.20         | 20           |                     |
| o,m-Xylene                          | 9.24   | 0.0500                              | 10.0           |                      | 92.4 | 70-130        | 3.01         | 20           |                     |
| Total Xylenes                       | 13.9   | 0.0250                              | 15.0           |                      | 92.9 | 70-130        | 3.07         | 20           |                     |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | •                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

| Plains TX, 79355-0247                   |                 | Project Manage              | r: To                   | m Bynum                   |          |                    |             |                   | 12/21/2022 2:47:49PM |
|---|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|-------------|-------------------|----------------------|
|   | Non             | halogenated                 | Organics                | by EPA 80                 | 15D - G  | RO                 |             |                   | Analyst: SL          |
| Analyte                                 | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>%    | RPD<br>Limit<br>% | Notes                |
| Blank (2252016-BLK1)                    |                 |                             |                         |                           |          |                    | Prepared: 1 | 2/20/22           | Analyzed: 12/20/22   |
| Gasoline Range Organics (C6-C10)        | ND              | 20.0                        |                         |                           |          |                    |             |                   |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.75            |                             | 8.00                    |                           | 96.9     | 70-130             |             |                   |                      |
| LCS (2252016-BS2)                       |                 |                             |                         |                           |          |                    | Prepared: 1 | 2/20/22           | Analyzed: 12/20/22   |
| Gasoline Range Organics (C6-C10)        | 48.7            | 20.0                        | 50.0                    |                           | 97.4     | 70-130             |             |                   |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.38            |                             | 8.00                    |                           | 92.3     | 70-130             |             |                   |                      |
| LCS Dup (2252016-BSD2)                  |                 |                             |                         |                           |          |                    | Prepared: 1 | 2/20/22           | Analyzed: 12/20/22   |
| Gasoline Range Organics (C6-C10)        | 49.6            | 20.0                        | 50.0                    |                           | 99.2     | 70-130             | 1.88        | 20                |                      |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.63            |                             | 8.00                    |                           | 95.4     | 70-130             |             |                   |                      |

Pima Environmental Services-CarlsbadProject Name:Burton Flat Deep Unit 44Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum12/21/20222:47:49PM

| Nonhalogenated | Organics by ] | EPA 8015D : | - GRO |
|----------------|---------------|-------------|-------|

Analyst: IY

| Analyte                          | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec  | Rec<br>Limits | RPD         | RPD<br>Limit  |                |
|----------------------------------|--------|--------------------|----------------|------------------|------|---------------|-------------|---------------|----------------|
|                                  | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %    | %             | %           | %             | Notes          |
| Blank (2252017-BLK1)             |        |                    |                |                  |      | I             | Prepared: 1 | 2/20/22 Analy | yzed: 12/20/22 |
| Gasoline Range Organics (C6-C10) | ND     | 20.0               |                |                  |      |               |             |               |                |
| Surrogate: Bromofluorobenzene    | 0.461  |                    | 0.500          |                  | 92.2 | 70-130        |             |               |                |
| Surrogate: 1,2-Dichloroethane-d4 | 0.452  |                    | 0.500          |                  | 90.4 | 70-130        |             |               |                |
| Surrogate: Toluene-d8            | 0.529  |                    | 0.500          |                  | 106  | 70-130        |             |               |                |
| LCS (2252017-BS2)                |        |                    |                |                  |      | I             | Prepared: 1 | 2/20/22 Analy | yzed: 12/20/22 |
| Gasoline Range Organics (C6-C10) | 61.4   | 20.0               | 50.0           |                  | 123  | 70-130        |             |               |                |

| Surrogate: Bromofluorobenzene    | 0.494 | 0.500 | 98.7 | 70-130 |
|----------------------------------|-------|-------|------|--------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.483 | 0.500 | 96.5 | 70-130 |
| Surrogata: Tolyana-d8            | 0.520 | 0.500 | 106  | 70-130 |

| Gasoline Range Organics (C6-C10) | 59.4  | 20.0 | 50.0  | 119  | 70-130 | 3.33 |
|----------------------------------|-------|------|-------|------|--------|------|
| Surrogate: Bromofluorobenzene    | 0.477 |      | 0.500 | 95.4 | 70-130 |      |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 |      | 0.500 | 96.8 | 70-130 |      |
| Surrogate: Toluene-d8            | 0.535 |      | 0.500 | 107  | 70-130 |      |

| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               | •                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

| Plains TX, 79355-0247           |        | Project Manage     | r: To          | m Bynum          |           |               |           |              | 12/21/2022 2:47:49PM |
|---------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|-----------|--------------|----------------------|
|                                 | Nonha  | logenated Or       | ganics by l    | EPA 8015I        | D - DRO   | /ORO          |           |              | Analyst: JL          |
| Analyte                         | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec       | Rec<br>Limits | RPD       | RPD<br>Limit |                      |
|                                 | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %         | %             | %         | %            | Notes                |
| Blank (2252011-BLK1)            |        |                    |                |                  |           |               | Prepared: | 12/20/22     | Analyzed: 12/20/22   |
| Diesel Range Organics (C10-C28) | ND     | 25.0               |                |                  |           |               |           |              |                      |
| Dil Range Organics (C28-C36)    | ND     | 50.0               |                |                  |           |               |           |              |                      |
| Surrogate: n-Nonane             | 46.6   |                    | 50.0           |                  | 93.2      | 50-200        |           |              |                      |
| LCS (2252011-BS1)               |        |                    |                |                  |           |               | Prepared: | 12/20/22     | Analyzed: 12/20/22   |
| Diesel Range Organics (C10-C28) | 233    | 25.0               | 250            |                  | 93.2      | 38-132        |           |              |                      |
| Surrogate: n-Nonane             | 50.3   |                    | 50.0           |                  | 101       | 50-200        |           |              |                      |
| Matrix Spike (2252011-MS1)      |        |                    |                | Source:          | E212114-0 | 05            | Prepared: | 12/20/22     | Analyzed: 12/20/22   |
| Diesel Range Organics (C10-C28) | 241    | 25.0               | 250            | ND               | 96.2      | 38-132        |           |              |                      |
| Surrogate: n-Nonane             | 51.5   |                    | 50.0           |                  | 103       | 50-200        |           |              |                      |
| Matrix Spike Dup (2252011-MSD1) |        |                    |                | Source:          | E212114-0 | 05            | Prepared: | 12/20/22     | Analyzed: 12/20/22   |
| Diesel Range Organics (C10-C28) | 242    | 25.0               | 250            | ND               | 96.9      | 38-132        | 0.634     | 20           |                      |
| Surrogate: n-Nonane             | 51.8   |                    | 50.0           |                  | 104       | 50-200        |           |              |                      |



| Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 | Reported:            |
|--------------------------------------|------------------|--------------------------|----------------------|
| PO Box 247                           | Project Number:  | 01058-0007               |                      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/2022 2:47:49PM |

| Plains TX, 79355-0247 Project Manager: Tom Bynum |        |                    |                |                  |           |               |             | 12/21/2022 2:47:49PM |                    |  |  |
|--|--------|--------------------|----------------|------------------|-----------|---------------|-------------|----------------------|--------------------|--|--|
|  | Nonha  | logenated Or       | ganics by l    | EPA 8015I        | D - DRO   | ORO/          |             |                      | Analyst: JL        |  |  |
| Analyte  | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec       | Rec<br>Limits | RPD         | RPD<br>Limit         |                    |  |  |
|  | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %         | %             | %           | %                    | Notes              |  |  |
| Blank (2252013-BLK1)                             |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22              | Analyzed: 12/20/22 |  |  |
| Diesel Range Organics (C10-C28)                  | ND     | 25.0               |                |                  |           |               |             |                      |                    |  |  |
| Dil Range Organics (C28-C36)                     | ND     | 50.0               |                |                  |           |               |             |                      |                    |  |  |
| Surrogate: n-Nonane                              | 48.8   |                    | 50.0           |                  | 97.5      | 50-200        |             |                      |                    |  |  |
| LCS (2252013-BS1)                                |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22              | Analyzed: 12/20/22 |  |  |
| Diesel Range Organics (C10-C28)                  | 232    | 25.0               | 250            |                  | 92.8      | 38-132        |             |                      |                    |  |  |
| Surrogate: n-Nonane                              | 48.7   |                    | 50.0           |                  | 97.5      | 50-200        |             |                      |                    |  |  |
| Matrix Spike (2252013-MS1)                       |        |                    |                | Source:          | E212096-0 | 01            | Prepared: 1 | 2/20/22              | Analyzed: 12/20/22 |  |  |
| Diesel Range Organics (C10-C28)                  | 231    | 25.0               | 250            | ND               | 92.5      | 38-132        |             |                      |                    |  |  |
| Surrogate: n-Nonane                              | 48.9   |                    | 50.0           |                  | 97.7      | 50-200        |             |                      |                    |  |  |
| Matrix Spike Dup (2252013-MSD1)                  |        |                    |                | Source:          | E212096-0 | 01            | Prepared: 1 | 2/20/22              | Analyzed: 12/20/22 |  |  |
| Diesel Range Organics (C10-C28)                  | 234    | 25.0               | 250            | ND               | 93.6      | 38-132        | 1.17        | 20                   |                    |  |  |
| Surrogate: n-Nonane                              | 50.7   |                    | 50.0           |                  | 101       | 50-200        |             |                      |                    |  |  |



Chloride

## **QC Summary Data**

| Pima Environmental Services-Carlsbad<br>PO Box 247 | Project Name: Project Number: | Burton Flat Deep Unit 44<br>01058-0007 | Reported:            |
|--|-------------------------------|--|----------------------|
| Plains TX, 79355-0247                              | Project Manager:              | Tom Bynum                              | 12/21/2022 2:47:49PM |

| Anions b   | w EPA | <b>. 300 0</b> | /9056A |
|------------|-------|----------------|--------|
| AIIIUIIS L | у шт  | 1 200.0        | DUSUA  |

Analyst: RAS

| Analyte                         | Result | Reporting<br>Limit | Spike<br>Level | Source<br>Result | Rec       | Rec<br>Limits | RPD         | RPD<br>Limit |                |
|---------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|-------------|--------------|----------------|
|                                 | mg/kg  | mg/kg              | mg/kg          | mg/kg            | %         | %             | %           | %            | Notes          |
| Blank (2252018-BLK1)            |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22 Anal | yzed: 12/20/22 |
| Chloride                        | ND     | 20.0               |                |                  |           |               |             |              |                |
| LCS (2252018-BS1)               |        |                    |                |                  |           |               | Prepared: 1 | 2/20/22 Anal | yzed: 12/20/22 |
| Chloride                        | 256    | 20.0               | 250            |                  | 102       | 90-110        |             |              |                |
| Matrix Spike (2252018-MS1)      |        |                    |                | Source:          | E212114-0 | 1             | Prepared: 1 | 2/20/22 Anal | yzed: 12/20/22 |
| Chloride                        | 262    | 20.0               | 250            | ND               | 105       | 80-120        |             |              |                |
| Matrix Spike Dup (2252018-MSD1) |        |                    |                | Source:          | E212114-0 | 1             | Prepared: 1 | 2/20/22 Anal | yzed: 12/20/22 |

250

20.0

106

80-120

1.66

266



| Pima Environmental Services-Carlsbac<br>PO Box 247<br>Plains TX, 79355-0247 | 1               | Project Name:<br>Project Number:<br>Project Manager | (                       | Burton Flat Dee<br>01058-0007<br>Tom Bynum |           |                    |           | <b>Reported:</b> 12/21/2022 2:47:49PM |                    |
|---|-----------------|---|-------------------------|--|-----------|--------------------|-----------|---------------------------------------|--------------------|
|   |                 | Anions  | by EPA                  | 300.0/9056A                                | 4         |                    |           |                                       | Analyst: RAS       |
| Analyte   | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg                         | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg                  | Rec<br>%  | Rec<br>Limits<br>% | RPD<br>%  | RPD<br>Limi<br>%                      |                    |
| Blank (2252020-BLK1)  |                 |   |                         |  |           |                    | Prepared: | 12/20/22                              | Analyzed: 12/20/22 |
| Chloride  | ND              | 20.0  |                         |  |           |                    |           |                                       |                    |
| LCS (2252020-BS1)   |                 |   |                         |  |           |                    | Prepared: | 12/20/22                              | Analyzed: 12/20/22 |
| Chloride  | 255             | 20.0  | 250                     |  | 102       | 90-110             |           |                                       |                    |
| Matrix Spike (2252020-MS1)  |                 |   |                         | Source:                                    | E212114-2 | 1                  | Prepared: | 12/20/22                              | Analyzed: 12/20/22 |
| Chloride  | 253             | 20.0  | 250                     | ND   | 101       | 80-120             |           |                                       |                    |
| Matrix Spike Dup (2252020-MSD1)   |                 |   |                         | Source:                                    | E212114-2 | 1                  | Prepared: | 12/20/22                              | Analyzed: 12/20/22 |
| Chloride  | 245             | 20.0  | 250                     | ND   | 97.8      | 80-120             | 3.59      | 20                                    |                    |

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

| ſ | Pima Environmental Services-Carlsbad | Project Name:    | Burton Flat Deep Unit 44 |                |
|---|--------------------------------------|------------------|--------------------------|----------------|
| l | PO Box 247                           | Project Number:  | 01058-0007               | Reported:      |
| l | Plains TX, 79355-0247                | Project Manager: | Tom Bynum                | 12/21/22 14:47 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



| Project Information |
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| Client: P       | ima Env         | vironmen           | tal Servi            | ces                      | Bill To   |                  |                 |                 | La      | b Us        | e Onl       | ly                | 1                 |         | TAT     |   | EPA P  | rogram         |
|-----------------|-----------------|--------------------|----------------------|--------------------------|---|------------------|-----------------|-----------------|---------|-------------|-------------|-------------------|-------------------|---------|---------|---|--|----------------|
| Project:        | BUTTON          | flat 1             | Deep                 | UNIT 44                  | Attention: Devon                                      |                  | Lab             | WO#             | 114     |             | Job N       | Number            | 1D                | 2D      | 3D      | Standard                                  | CWA  | SDWA           |
|                 |                 | Tom By  I. Lovings |                      |                          | Address:  |                  | EZ              | 12              | 114     |             | 0105        | 8-0007            | 1                 |         |         |   |  | RCRA           |
|                 |                 | lobbs, NI          |                      |                          | City, State, Zip Phone:                               |                  | -               |                 |         |             | Analy       | sis and Metho     | oa '              |         | П       | -   | -  | RCRA           |
| Phone:          |                 |                    | VI. QQ240            |                          | Email:  |                  | 57              | ın              |         |             |             |                   |                   |         |         |   | State  |                |
|                 |                 | maoil.co           | m                    |                          |   |                  | y 801           | / 801           |         | 0           | 2.          | 0.0               | 5                 |         |         | NM CO                                     | UT AZ  | TX             |
| Report d        | ue by:          |                    |                      |                          | Pima Project # /- 197                                 |                  | RO b            | RO by           | , 8021  | 8260        | 6010        | e 300             | SZ                | ¥       |         | X   |  | Tile           |
| Time<br>Sampled | Date<br>Sampled | Matrix             | No. of<br>Containers | Sample ID                |   | Lab<br>Number    | DRO/ORO by 8015 | GRO/DRO by 8015 | втех by | VOC by 8260 | Metals 6010 | Chloride 300.0    | верос             | BGDOC   |         |   | Remarks                                      |                |
| 1150            | 12/11/12        | 5                  | 1                    | CS -2                    | -1  | 1                |                 |                 |         |             |             |                   | X                 |         |         |   |  |                |
| 1155            |                 |                    |                      | 65-2                     | Z   | 2                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1000            |                 |                    |                      | CS-2                     | 3   | 3                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1205            |                 |                    |                      | 15-2                     | 4   | 4                |                 |                 |         |             |             |                   |                   |         |         | 1   |  |                |
| 170             |                 |                    |                      | CS -2                    |   | 5                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1215            |                 |                    |                      | CS-2                     |   | 6                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1220            |                 |                    |                      | CS -2                    | 7   | 7                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1225            |                 |                    |                      | CS-2                     | 8   | 8                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1230            |                 |                    |                      | CS-2                     | 5   | 9                |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| 1235            |                 |                    |                      | cs -3                    | 0   | 10               |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
| Addition        | al Instru       | ctions:            | 7                    | P +                      | à Devou   |                  |                 |                 |         |             |             |                   |                   |         |         |   |  |                |
|                 |                 |                    |                      | ficity of this sample. I | am aware that tampering with or intentionally mislabe | lling the sample | e locati        | on,             |         |             |             |                   | October Section 1 |         |         | ived on ice the day<br>C on subsequent da | ALTO AND | ed or received |
| Relinquish      | d by: (Sign     |                    | Date                 | and the second second    | Received by: (Signature)                              | Date 12-19       |                 | Time            | toc     | )           | Rece        | eived on ice:     | _                 | ab U    | se Only | /   |  |                |
| Relinquish      | d by: (Sign     | nature()           | Date                 | 19-22 Time               | Received by Bignature Out                             | Date 12/20       | Izz             | Time 13         | :0      | 0           | T1          |                   | (L                |         |         | <u>T3</u>                                 |  |                |
| Relinquish      | ed by: (Sign    | nature)            | Date                 | Time                     | Received by: (Signature)                              | Date             |                 | Time            |         |             | AVG         | Temp°C            | 4                 |         |         |   |  |                |
| Sample Mat      | ik: S - Soil,   | Sd - Solid, Sg -   | - Sludge, A - A      | Aqueous, O - Other       | I   | Containe         | r Type          | 2: 8-1          | glass   |             |             | astic, ag - am    | oer gla           | ss, v - | - VOA   |   |  |                |
| / /             |                 |                    |                      |                          | unless other arrangements are made. Hazardou          | s samples will   | be re           | turnec          | to clie | ent or      | dispos      | sed of at the cli |                   |         |         | port for the ana                          | alysis of the                                | above          |
| samples (s      | applicable      | only to thos       | se samples r         | received by the labo     | oratory with this COC. The liability of the laborate  | ry is limited t  | o the a         | amour           | it paid | foro        | n the r     | eport.            |                   |         |         |   |  |                |



| Project I | nformation |
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|                    | ima Envi         |               |                      |  | Bill To   |                    |                 |                               | La           | b Us        | e Onl            | У          |            | T      |          | TA    |   | EPA P         | rogram          |
|--------------------|------------------|---------------|----------------------|--|---|--------------------|-----------------|-------------------------------|--------------|-------------|------------------|------------|------------|--------|----------|-------|---|---------------|-----------------|
| Project:           |                  | CLGT          | Deep                 | UNIT 44  | Attention: Devon  |                    | Lab             | Lab WO# Job Number 0/058-0007 |              |             | oer              | 1D         | 2D         | 3D     | Standard | CWA   | SDWA  |               |                 |
|                    | 5614 N.          |               |                      |  | Address:<br>City, State, Zip  |                    | EZ              | 121                           | 17           |             |                  |            | d Metho    |        |          |       |   |               | RCRA            |
| City, Stat         | e, Zip Ho        | bbs, NI       |                      |  | Phone:  |                    |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
|                    | 580-748-         |               |                      |  | Email:  |                    | 015             | 015                           |              |             |                  |            |            |        |          | 1 1   |   | State         | Levi            |
| Email:<br>Report d | tom@pin          | iaoii.cor     | n                    |  | Pima Project # /- 15 7  | ,                  | by 8            | by 8                          | 1021         | 790         | 010              | 300.0      |            | NN     | *        |       | NMI CO  | UT AZ         | IX              |
| Time<br>Sampled    | Date<br>Sampled  | Matrix        | No. of<br>Containers | Sample ID  |   | Lab<br>Number      | DRO/ORO by 8015 | GRO/DRO by 8015               | ВТЕХ Ьу 8021 | VOC by 8260 | Metals 6010      | Chloride   |            | BGDOC  | BGDOC    |       |   | Remarks       |                 |
| 1240               | 12/17/22         | 5             |                      | CS-3   |   | 11                 |                 |                               |              |             |                  |            |            | ×      |          |       |   |               |                 |
| 1245               |                  |               |                      | CS-3   | 2   | 12                 |                 |                               |              |             |                  |            |            | 1      |          |       |   |               |                 |
| 1250               |                  |               |                      | CSW-   | (   | 13                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1255               |                  |               |                      | CSW -  | 2   | 14                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1300               |                  |               |                      | CSW-   |   | 15                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1305               |                  |               |                      | CSW-   | 4   | 16                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1310               |                  |               |                      | CSW-   | 5   | 17                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1315               |                  |               |                      | CSW-   | 6   | 18                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1320               |                  |               |                      | CSW-   | 7   | 19                 |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
| 1325               |                  |               |                      | CSW  | 8   | 20                 |                 |                               |              |             |                  |            |            | 1      |          |       |   |               |                 |
| Addition           | al Instruc       | tions:        | 1 <                  | BILL 7   | Deva  |                    |                 |                               |              |             |                  |            |            |        |          |       |   |               |                 |
|                    |                  |               |                      | ticity of this sample. I<br>may be grounds for leg | am aware that tampering with or intentionally mislated action.  Sampled by: | belling the sample |                 | on,                           |              |             | COLUMN TO PERSON |            |            |        |          |       | ceived on ice the day<br>5 °C on subsequent d |               | led or received |
| Relinquish         | by tsena         | ture)         | Date                 | 115/22 Time  | Received by: (Signature)  | Date 12-19         | n               | Time                          | 100          | )           | Recei            | ived       | on ice:    |        | ab U     | se On | ily   |               |                 |
| Relinquish         | ed by: (Signa    | ture) 0       | Date                 | e Time   | Received by signature Late  | Date /2/20/        | 12              | Time 13                       | .'OC         | )           | T1               |            |            | T2     |          |       | T3  |               |                 |
| Relinquish         | ed by: (Signa    | ture)         | Date                 |  | Received by: (Signature)  | Date               |                 | Time                          | 6            |             | AVG              | Tem        | p°c <      | 1      |          |       |   |               |                 |
| Sample Mat         | pix: S - Soil Sd | - Solid, Sg - | Sludge, A -          | Aqueous, O - Other                                 |   | Containe           | г Туре          | e: g /                        | glass,       | 1           |                  | MILLIAN PT |            | er gla | iss, v   | - VOA |   |               |                 |
| Note: Sam          | ples are/disc    | arded 30 d    | ays after r          | esults are reported (                              | unless other arrangements are made. Hazardo                                 | us samples will    | be re           | turnec                        | to glie      | ent or      | dispos           | ed of      | at the cli |        |          |       | report for the an                             | alysis of the | above           |
| samples is         | applicable o     | nly to thos   | e samples            | received by the labo                               | ratory with this COC. The liability of the labora                           | tory is limited to | o the a         | mour                          | nt paid      | for o       | n the re         | eport.     |            |        |          |       |   |               |                 |



| Project Inform | mation |
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| Client: Pima   | Envir  |

Chain of Custody

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| Client: F       | ima Env             | ironmen         | tal Ser            | vices                |               | Bill                           | То                    |               |                               |                 | Lal          | b Us                 | e Onl  | V              |         | T      |         | TAT     |   | EPA P         | rogram         |
|-----------------|---------------------|-----------------|--------------------|----------------------|---------------|--------------------------------|-----------------------|---------------|-------------------------------|-----------------|--------------|----------------------|--|----------------|---------|--------|---------|---------|---|---------------|----------------|
| Project:        | BURDA               | Plat            | Deep               | unit 44              |               | ention: Devon                  | /                     |               | Lab WO# Job Number 01058-0007 |                 |              | 1D 2D 3D Standard CW |  | CWA            | SDWA    |        |         |         |   |               |                |
|                 | Manager:            |                 |                    |                      |               | dress:                         |                       |               | E2                            | 12              | 114          |                      | 0105   | 28-1           | 100 +   | IX     |         |         |   |               |                |
|                 | 5614 N              |                 |                    |                      |               | y, State, Zip                  |                       |               |                               |                 |              |                      | Analys   | sis an         | d Metho | d'     | _       |         |   |               | RCRA           |
|                 | e, Zip H<br>580-748 |                 | VI. 882            | 40                   |               | one:                           |                       | _             |                               |                 |              |                      |  |                |         |        |         |         |   | State         |                |
|                 | tom@pii             |                 | m                  |                      | En            | nail:                          | 1-160                 |               | 801                           | 801             |              |                      |  | 0              |         |        | - 1     |         | NMI CO                                  | UT AZ         | TXI            |
| Report d        |                     |                 |                    |                      | P             | ma Project #                   | 1-157                 |               | O by                          | O by            | 8021         | 8260                 | 9010   | 300.           |         | S      | ×       |         | X                                       | 0, 1,2        |                |
| Time<br>Sampled | Date<br>Sampled     | Matrix          | No. of<br>Containe | Sample ID            |               |                                |                       | Lab<br>Number | DRO/ORO by 8015               | GRO/DRO by 8015 | ВТЕХ ЬУ 8021 | VOC by 8260          | Metals 6010  | Chloride 300.0 |         | BGDOC  | BGDOC   |         | 70                                      | Remarks       |                |
| 1330            | 12/11/27            | 5               | 1                  | CSL                  | 1-9           |                                |                       | 21            |                               |                 |              |                      |  |                |         | K      |         |         |   |               |                |
| 1335            |                     |                 |                    | CSW                  | - 10          |                                |                       | 22            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1340            |                     |                 |                    | CSU                  | - 11          |                                |                       | 23            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1345            |                     |                 |                    | CSW                  | - 17          |                                |                       | 24            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1350            |                     |                 |                    | CSL                  | 1- 13<br>- 14 |                                |                       | 25            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1855            |                     |                 |                    | CSW                  | - 14          |                                |                       | 26            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1400            |                     |                 |                    | CSW                  | - 15          |                                |                       | 27            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1405            |                     |                 |                    | CSW                  | - 16          |                                |                       | 28            |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| 1410            | T                   | L               | 1                  | - CSL                |               |                                |                       | 29            |                               |                 |              |                      |  |                |         | ×      |         |         |   |               |                |
|                 |                     |                 |                    |                      |               |                                |                       |               |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| Addition        | al Instru           | ctions:         |                    | Kin                  | 178           | F)nou                          | /                     |               |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |
| I, (field sam   | pler), attest t     | o the validity  | and auth           | enticity of this san |               | that tampering with or inten   | ntionally mislabellin | ng the sample | locatio                       | on,             |              |                      | A COLUMN TO THE PARTY OF THE PA | and the same   |         |        |         |         | ved on ice the day<br>C on subsequent o |               | ed or received |
|                 | ed by: (Sign        |                 | Di                 | 2/19/22<br>ate       | Time          | - Received by: (Signature      |                       | Date 12-19-   |                               | Time            | 00           |                      | Rece   | ived           | on ice: |        | ab U    | se Only |   |               |                |
| Relinquish      | ed by (Sign         | atura           | Di                 | 19:11                | Time<br>1460  | Received by: Signature         | Pht                   | Date /7/704   | 172                           | Time            | :00          |                      | T1   |                |         | T2     | , .     |         | T3                                      |               |                |
| Relinquish      | ed by: (Sign        | ature)          | Da                 | ate                  | Time          | Received by: (Signature        |                       | Date          |                               | Time            |              |                      | AVG  | Tem            | n°C 4   | 4      |         |         |   |               |                |
| Sample Mat      | rix: 5 - Soil. S    | d - Solid, Sg - | Sludge, A          | - Aqueous, O - O     | her           |                                |                       | Containe      | r Type                        | 16-8            | glass, r     |                      |  |                |         | er gla | ss, v - | VOA     |   |               |                |
|                 |                     |                 |                    |                      |               | ner arrangements are mad       | de. Hazardous s       |               |                               |                 |              |                      |  |                |         |        |         |         | port for the ar                         | alysis of the | above          |
|                 |                     |                 |                    |                      |               | ith this COC. The liability of |                       |               |                               |                 |              |                      |  |                |         |        |         |         |   |               |                |



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Printed: 12/20/2022 1:47:47PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| Client:     | Pima Environmental Services-Carlsbad  | Date Received:    | 12/20/22 13 | 3:00              | Work Order ID:           | E212114           |
|-------------|---|-------------------|-------------|-------------------|--------------------------|-------------------|
| Phone:      | (575) 631-6977  | Date Logged In:   | 12/19/22 16 | 6:36              | Logged In By:            | Caitlin Christian |
| Email:      | tom@pimaoil.com   | Due Date:         | 12/20/22 17 | 7:00 (0 day TAT)  |                          |                   |
| Chain of    | Custody (COC)   |                   |             |                   |                          |                   |
|             | ne sample ID match the COC?   |                   | Yes         |                   |                          |                   |
|             | ne number of samples per sampling site location man   | tch the COC       |             |                   |                          |                   |
|             | amples dropped off by client or carrier?  | ion une           | Yes<br>Yes  | Comion I          | IDC                      |                   |
|             | e COC complete, i.e., signatures, dates/times, reques   | sted analyses?    | Yes         | Carrier: <u>U</u> | <u>ors</u>               |                   |
|             | Il samples received within holding time?  | sted analyses:    | Yes         |                   |                          |                   |
| 3. Word as  | Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.  |                   | 103         |                   | Comment                  | s/Resolution      |
| Sample T    | <u> Curn Around Time (TAT)</u>  |                   |             |                   | D' (D ( EL (D            | TT '4 44 1 1      |
| 6. Did the  | e COC indicate standard TAT, or Expedited TAT?  |                   | Yes         |                   | Project Burton Flat Dee  | •                 |
| Sample C    | <u>Cooler</u>   |                   |             |                   | been separated into 2 re | ports due to      |
| 7. Was a s  | sample cooler received?   |                   | Yes         |                   | amount of samples.E21    | 2113 & E212114.   |
| 8. If yes,  | was cooler received in good condition?  |                   | Yes         |                   | •                        |                   |
| 9. Was the  | e sample(s) received intact, i.e., not broken?  |                   | Yes         |                   |                          |                   |
| 10. Were    | custody/security seals present?   |                   | No          |                   |                          |                   |
| 11. If yes, | , were custody/security seals intact?   |                   | NA          |                   |                          |                   |
|             | e sample received on ice? If yes, the recorded temp is 4°C,<br>Note: Thermal preservation is not required, if samples ar<br>minutes of sampling<br>visible ice, record the temperature. Actual sample | e received w/i 15 | Yes         |                   |                          |                   |
| Sample C    |   | temperature. 1    | <u>~</u>    |                   |                          |                   |
|             | queous VOC samples present?   |                   | No          |                   |                          |                   |
|             | OC samples collected in VOA Vials?  |                   | NA          |                   |                          |                   |
|             | head space less than 6-8 mm (pea sized or less)?  |                   | NA          |                   |                          |                   |
|             | trip blank (TB) included for VOC analyses?  |                   | NA          |                   |                          |                   |
|             | on-VOC samples collected in the correct containers'   | 9                 | Yes         |                   |                          |                   |
|             | appropriate volume/weight or number of sample contain   |                   | Yes         |                   |                          |                   |
| Field Lab   | · ·   | ners conceted.    | 103         |                   |                          |                   |
|             | field sample labels filled out with the minimum info  | ormation:         |             |                   |                          |                   |
|             | ample ID?   |                   | Yes         |                   |                          |                   |
| D           | ate/Time Collected?   |                   | Yes         | l                 |                          |                   |
| C           | ollectors name?   |                   | No          |                   |                          |                   |
|             | <u>reservation</u>  |                   |             |                   |                          |                   |
|             | the COC or field labels indicate the samples were pr  | reserved?         | No          |                   |                          |                   |
|             | ample(s) correctly preserved?   |                   | NA          |                   |                          |                   |
| 24. Is lab  | filteration required and/or requested for dissolved n   | netals?           | No          |                   |                          |                   |
|             | se Sample Matrix  |                   |             |                   |                          |                   |
| 26. Does    | the sample have more than one phase, i.e., multipha   | se?               | No          |                   |                          |                   |
| 27. If yes, | , does the COC specify which phase(s) is to be analy  | yzed?             | NA          |                   |                          |                   |
| Subcontr    | act Laboratory  |                   |             |                   |                          |                   |
| 28. Are sa  | amples required to get sent to a subcontract laborato   | ry?               | No          |                   |                          |                   |
| 29. Was a   | subcontract laboratory specified by the client and it   | f so who?         | NA S        | Subcontract Lab   | o: na                    |                   |
| Client In   | nstruction_   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          |                   |
|             |   |                   |             |                   |                          | 1                 |

Date

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

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 194759

#### **CONDITIONS**

| Operator:                           | OGRID:                                    |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137                                      |
| 333 West Sheridan Ave.              | Action Number:                            |
| Oklahoma City, OK 73102             | 194759                                    |
|                                     | Action Type:                              |
|                                     | [C-141] Release Corrective Action (C-141) |

#### CONDITIONS

| Created By | Condition   | Condition<br>Date |
|------------|---|-------------------|
| rhamlet    | We have received your closure report and final C-141 for Incident #NAPP2222463832 BURTONFLAT DEEP UNIT 44 SWD, thank you. This closure is approved. | 7/12/2023         |