Page 1 of 129

Incident ID NRM2025263987

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 include | ed in the closure report. |
|---|--|--|
| A scaled site and sampling diagram as described in 19.15.29. | 11 NMAC | |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | s of the liner integrity | if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate OD | C District office must | be notified 2 days prior to final sampling) |
| □ Description of remediation activities | | |
| | | |
| I hereby certify that the information given above is true and compleand regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the or accordance with 19.15.29.13 NMAC including notification to the ordance with 19.15.29.13 NMAC including notification to | in release notification f a C-141 report by th mediate contaminatio f a C-141 report does relations. The responsible onditions that existed OCD when reclamation | s and perform corrective actions for releases which e OCD does not relieve the operator of liability in that pose a threat to groundwater, surface water, not relieve the operator of responsibility for ole party acknowledges they must substantially prior to the release or their final land use in on and re-vegetation are complete. |
| OCD Only | | |
| Received by: Chad Hensley | Date: _ <u>09/</u> | 17/2021 |
| Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and | water, human health, | |
| Closure Approved by: | Date: <u>0</u> | 9/17/2021 |
| Printed Name: Chad Hensley | | Environmental Specialist Advanced |

wsp

WSP USA

3300 North "A" Street Building 1, Unit 222 Midland, Texas 79705 432.704.5178

August 13, 2021

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: Closure Request
Poker Lake Unit 28 BS 158H
Incident Number NRM2025263987
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and excavation activities at the Poker Lake Unit (PLU) 28 BS 158H (Site) in Unit H, Section 28, Township 25 South, Range 31 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following a release of frac fluid at the Site. Based on the excavation activities and analytical results from the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NRM2025263987.

RELEASE BACKGROUND

On August 21, 2020, a rupture disk failed, resulting in the release of 20 barrels (bbls) of frac fluid onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 15 bbls of frac fluid was recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141 on September 3, 2020. The release was assigned Incident Number NRM2025263987.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During March 2021, WSP installed a soil boring (C-4500) within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-4500 was drilled to a depth of 110 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 0.49 miles west of the Site and is depicted on Figure



1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The next closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320643103465002, located approximately 0.74 miles north-northwest of the Site. The groundwater well was most recently measured in January 2013 has a reported depth to groundwater of 318 feet bgs and a total depth of 400 feet bgs. Ground surface elevation at the groundwater well location is 3,374 feet amsl, which is approximately 32 feet higher in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland, located approximately 1.38 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

Benzene: 10 milligrams per kilogram (mg/kg)

Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

 Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg

TPH: 2,500 mg/kg

Chloride: 20,000 mg/kg

SITE ASSESSMENT ACTIVITIES

On June 18, 2021, upon completion of hydraulic fracturing operations, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected five preliminary assessment soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for volatile aromatic



hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil samples SS02 and SS04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil samples SS01, SS03, and SS05 indicated that TPH-GRO/TPH-DRO, TPH, and/or chloride concentrations exceeded the Closure Criteria. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between June 18, 2021 and June 21, 2021, WSP personnel were at the Site to oversee delineation and excavation activities. One pothole (PH01) was advanced within the release extent to assess the vertical extent of impacted soil. Pothole PH01 was advanced to a depth of 4 feet bgs. Delineation soil samples were collected from the pothole at depths of 1-foot, 2 feet, and 4 feet bgs. Soil from the pothole was field screened for volatile aromatic hydrocarbons and chloride as previously described. Field screening results and observations for pothole PH01 were logged on a lithologic/soil sampling log, which is included in Attachment 2. The pothole and delineation soil sample locations are depicted on Figure 3.

Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary and delineation soil samples. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride as previously described. The excavation was completed to depths ranging from 1-foot to 1.5 feet bgs. Following removal of impacted soil, WSP collected 5-point composite soil samples at least every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS12 were collected from the floor of the excavation from depths ranging from of 1 foot bgs to 1.5 feet bgs. Due to the shallow depth of the excavation, the floor samples were also representative



of the excavation sidewalls. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation is included in Attachment 3.

The excavation area measured approximately 2,300 square feet. A total of approximately 130 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01, SS03, and SS05 indicated that TPH-GRO/TPH-DRO, TPH, and/or chloride concentrations exceeded the Closure Criteria.

Laboratory analytical results for the delineation soil samples collected from pothole PH01 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

Based on laboratory analytical results for the preliminary and delineation soil samples, impacted soil was excavated. Laboratory analytical results for excavation floor samples FS01 through FS12 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the August 21, 2020 release of frac fluid. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results for delineation samples PH01A/PH01B provided vertical delineation to the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Initial response efforts which included removal of freestanding fluids via hydrovac and excavation of impacted soil have mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and XTO believe these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further action for Incident Number NRM2025263987.



If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

Anna Byers

anna Byers

Consultant, Geologist

Ashley L. Ager, P.G.

Ashley L. Ager

Managing Director, Geologist

cc: Adrian Baker, XTO

Bureau of Land Management

Attachments:

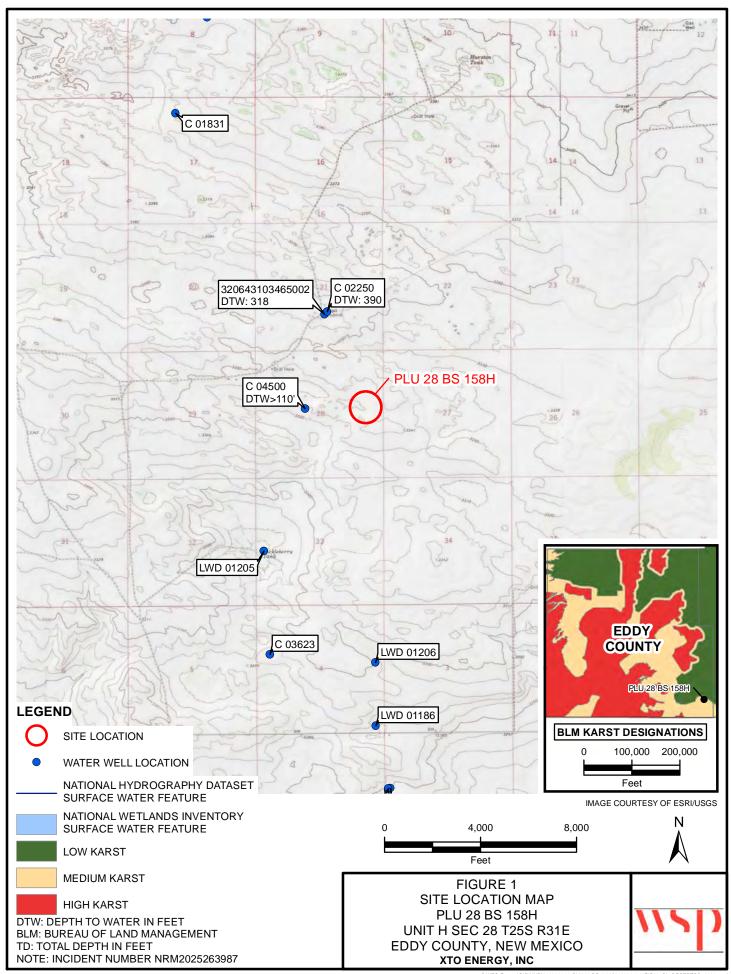
Figure 1 Site Location Map

Figure 2 Preliminary Soil Sample Locations
Figure 3 Delineation Soil Sample Locations
Figure 4 Excavation Soil Sample Locations

Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/Sampling Log

Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports



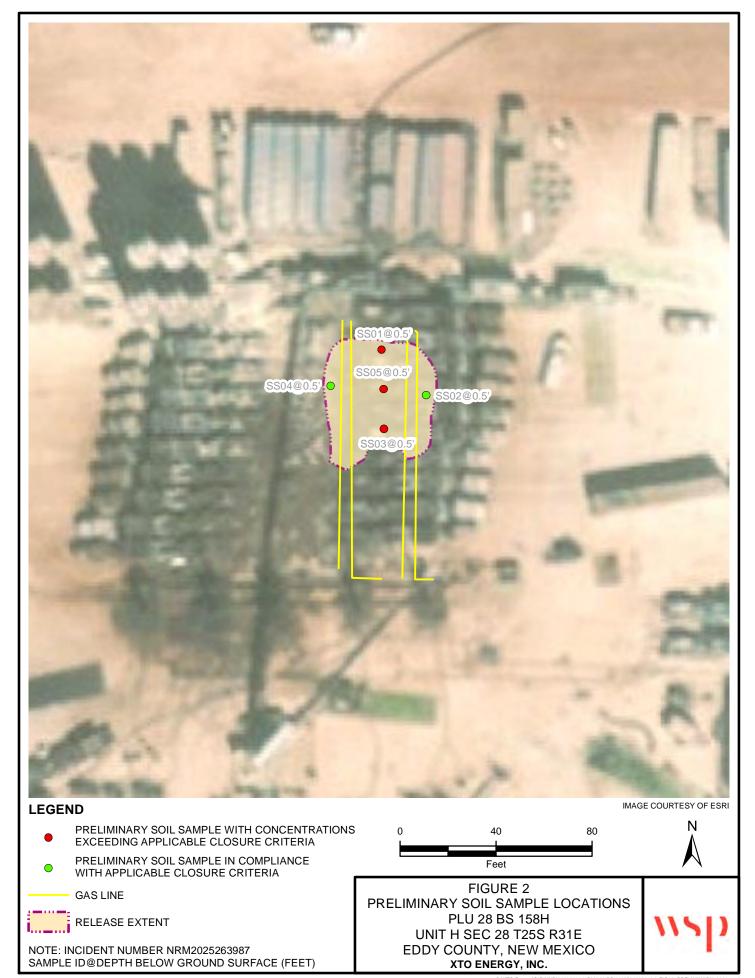






Table 1

Soil Analytical Results PLU 28 BS 158H Incident Number NRM2025263987 Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft bgs) | Benzene (mg/kg) | BTEX (mg/kg) | TPH-GRO (mg/kg) | TPH-DRO (mg/kg) | TPH-ORO (mg/kg) | Total GRO+DRO (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|---------------------|--|--------------------------|--------------------|-----------------|--------------------|--------------------|--------------------|-----------------------------|----------------|---------------------|
| NMOCD Table 1 C | NMOCD Table 1 Closure Criteria (NMAC 19.15.29) | | | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| Surface Samples | | | | | | | | | | |
| SS01 | 06/18/2021 | 0.5 | < 0.00200 | < 0.00399 | 609 | <50.0 | 182 | 609 | 791 | 39,300 |
| SS02 | 06/18/2021 | 0.5 | < 0.00200 | < 0.00399 | 101 | <49.9 | <49.9 | 101 | 101 | 17,700 |
| SS03 | 06/18/2021 | 0.5 | < 0.00198 | < 0.00396 | 1,030 | <49.9 | 381 | 1,030 | 1,410 | 37,400 |
| SS04 | 06/18/2021 | 0.5 | < 0.00201 | < 0.00402 | 123 | <50.0 | <50.0 | 123 | 123 | 16,200 |
| SS05 | 06/18/2021 | 0.5 | < 0.00202 | < 0.00403 | 5,750 | <50.0 | 3,110 | 5,750 | 8,860 | 20,500 |
| Delineation Samples | S | | | | | | | | | |
| PH01 | 06/18/2021 | 1 | < 0.00200 | < 0.00401 | 115 | <49.7 | <49.7 | 115 | 115 | 3,050 |
| PH01A | 06/18/2021 | 2 | < 0.00199 | < 0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 309 |
| PH01B | 06/18/2021 | 4 | < 0.00202 | 0.00659 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 6.71 |
| Excavation Samples | 3 | | | | | | | | | |
| FS01 | 06/18/2021 | 1 | < 0.00201 | < 0.00402 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 3,940 |
| FS02 | 06/18/2021 | 1.5 | < 0.00199 | < 0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 3,560 |
| FS03 | 06/18/2021 | 1.5 | < 0.00200 | < 0.00401 | <49.7 | <49.7 | <49.7 | <49.7 | <49.7 | 2,270 |
| FS04 | 06/18/2021 | 1.5 | < 0.00202 | < 0.00404 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 5,870 |
| FS05 | 06/21/2021 | 1.5 | < 0.00201 | < 0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 1,520 |
| FS06 | 06/21/2021 | 1.5 | < 0.00198 | < 0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,050 |
| FS07 | 06/21/2021 | 1.5 | < 0.00200 | < 0.00400 | <49.8 | 70.9 | <49.8 | 70.9 | 70.9 | 4,300 |
| FS08 | 06/21/2021 | 1 | < 0.00201 | < 0.00402 | <49.9 | 85.9 | <49.9 | 85.9 | 85.9 | 5,310 |
| FS09 | 06/21/2021 | 1 | < 0.00199 | < 0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,910 |
| FS10 | 06/21/2021 | 1 | < 0.00202 | < 0.00403 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 1,370 |

Table 1

Soil Analytical Results PLU 28 BS 158H Incident Number NRM2025263987

Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft bgs) | Benzene (mg/kg) | BTEX (mg/kg) | TPH-GRO (mg/kg) | TPH-DRO (mg/kg) | TPH-ORO (mg/kg) | Total GRO+DRO (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|--|-------------|--------------------------|--------------------|-----------------|--------------------|--------------------|--------------------|-----------------------------|----------------|---------------------|
| NMOCD Table 1 Closure Criteria (NMAC 19.15.29) | | AC 19.15.29) | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| FS11 | 06/21/2021 | 1.5 | < 0.00201 | < 0.00402 | <49.8 | 121 | <49.8 | 121 | 121 | 7,920 |
| FS12 | 06/21/2021 | 1.5 | < 0.00202 | < 0.00404 | <50.0 | 68.1 | <50.0 | 68.1 | 68.1 | 4,730 |

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Greyed data represents samples that were excavated



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

| | ERAL / WELL OWNERSHIP: | | | | | | | |
|----------|---|--------------|--------------|-----------|----------------------|--------------|---------------------|------------|
| State En | gineer Well Number: C-4500- POD1 | | | | | | | |
| Well ow | mer: XTO ENERGY (Kyle Littrell) | | | | Phone N | lo.: 432 | .682.8873 | |
| Mailing | address: 6401 Holiday Hill Dr. | | | | | | | |
| City: M | lidland | State: | | Te | exas | | _ Zip code: | 79707 |
| . – | | _ | | | | | | |
| II. WEI | LL PLUGGING INFORMATION: | | | | | | | |
| | Name of well drilling company that plugg | ed well: | Jackie D. A | tkins (A | Atkins Eng | ineering | Associates I | nc.) |
| | New Mexico Well Driller License No.: | | | | | | ation Date: | |
| 3) | Well plugging activities were supervised l Shane Eldridge | by the follo | wing well | driller(| s)/rig sup | ervisor(s |): | |
| 4) | Date well plugging began: 04/27/2021 | | _ Date | well plu | gging con | cluded: | 04/27/202 | 1 |
| 5) | GPS Well Location: Latitude: Longitude: | 32 103 | deg, deg, | 6 47 | _ min, _ _ min, _ | 6.96 6.75 | _ sec _ sec, WGS | 84 |
| | Depth of well confirmed at initiation of pl by the following manner: weighted tape | ugging as: | 110 | _ ft bel | ow groun | d level (| bgl), | |
| 7) | Static water level measured at initiation of | f plugging: | n/a | _ ft bgl | l | | | |
| 8) | Date well plugging plan of operations was | approved | by the Star | te Engir | neer:12 | /01/2020 | _ | |
| 9) | Were all plugging activities consistent wit differences between the approved pluggin | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | OSE | DIT MAY 5 | 2022 #4.03 |
| | | | | | | | | |
| | | | | | , | | | |
| | 255 | .31E. | 28.1 | 44 | 1683 | 253 | 1 | |

Version: September 8, 2009 Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

| Depth (ft bgl) | Plugging <u>Material Used</u> (include any additives used) | Volume of <u>Material Placed</u> (gallons) | Theoretical Volume of Borehole/ Casing (gallons) | Placement <u>Method</u> (tremie pipe, other) | Comments ("casing perforated first", "open annular space also plugged", etc.) |
|-------------------|--|---|--|--|---|
| | 0-10' Hydrated Bentonite | Approx.15.8 gallons | 16 gallons | Augers | |
| - | 10'-110' Drill Cuttings | Approx. 172 gallons | 172 gallons | Boring | |
| = | | 4 | | . | |
| - | | | | | |
| = | | | | | |
| | | | | | |
| - | | | | | |
| = | | | | | |
| | | MULTIPLY E cubic feet x 7.4 cubic yards x 201.9 | BY AND OBTAIN . 805 = gallons 77 = gallons | 05E 017 | MAY 5 2021 PM4:03 |

III. SIGNATURE:

| I, Jackie D. Atkins | say | that | I | am | familiar | with | the | rules | of | the (| Office | of 1 | the | State |
|--|------|-------|-----|-------|----------|--------|------|-------|-----|-------|--------|--------|------|-------|
| Engineer pertaining to the plugging of wells and that ea | ch a | nd al | lot | f the | stateme | nts in | this | Plugg | ing | Reco | ord an | d atta | achr | nents |
| are true to the best of my knowledge and belief. | | | | | | | | | | | | | | |

| Jack Atkins | | 05/05/2021 |
|-------------|---------------------------|------------|
| | Signature of Well Driller | Date |

Version: September 8, 2009 Page 2 of 2



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

UNKNOWN

Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X}

C 02250

4 21 25S 31E

614912 3553620*

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

12/31/1941

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield: 6 GPM

Casing Size:

8.63 Depth Well: 400 feet

Depth Water:

390 feet

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.

8/31/20 10:13 AM

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

 Well Tag
 POD Number
 Q64 Q16 Q4 Sec Tws Rng
 X
 Y

 NA
 C 04500 POD1
 4 4 1 28 25S 31E 614620 3552380
 614620 3552380

Driller License: 1249 Driller Company: ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 03/24/2021 **Drill Finish Date:** 03/24/2021 **Plug Date:** 04/27/2021

Log File Date: 05/05/2021 PCW Rcv Date: Source:

Pump Type: Pipe Discharge Size: Estimated Yield: Casing Size: Depth Well: Depth Water:

USGS 320643103465002 25S.31E.21.413314A

Available data for this site SUMMARY OF ALL AVAILABLE DATA >

DESCRIPTION:

Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83 Eddy County, New Mexico , Hydrologic Unit 13070001

Well depth: 400 feet

Land surface altitude: 3,374.00 feet above NGVD29.

Well completed in "Pecos River Basin alluvial aguifer" (N100PCSRVR) national aguifer.

Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aguifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count | | | |
|--------------------------------------|------------------------------------|------------|-------|--|--|--|
| Field groundwater-level measurements | 1959-02-17 | 2013-01-17 | 2 | | | |
| Revisions | Unavailable (site:0) (timeseries:0 | | | | | |

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to New Mexico Water Science Center Water-Data Inquiries



GO

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:
United States

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320329103462501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320329103462501 26S.31E.08.321433

Eddy County, New Mexico

Latitude 32°03'29", Longitude 103°46'25" NAD27

Land-surface elevation 3,250 feet above NAVD88

The depth of the well is 326 feet below land surface.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

| Table of data | | | | | | | | |
|--------------------|---------------|-------|-----------------|---|--|--|--|---|
| Tab-separated data | | | | | | | | |
| Graph of data | Graph of data | | | | | | | |
| Reselect perio | <u>od</u> | | | | | | | |
| | | | | | | | | |
| | ? | Water | Water level. | ? | | | | ? |

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status | |
|------------|------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|-----|
| | | | | | | | | | | | | |
| 1949-03-10 |) | D | 278.45 | | | 2 | | U | | U | А | t . |
| 1958-08-18 | 3 | D | 274.76 | | | 2 | | U | | U | А | |

| Section | Code | Description |
|--------------------------------|------|--|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | U | Unknown method. |
| Measuring agency | | Not determined |
| Source of measurement | U | Source is unknown. |
| Water-level approval status | Α | Approved for publication Processing and review completed. |
| | | |

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News

<u>ivews</u>

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: 2020-08-31 12:37:51 EDT

0.26 0.24 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater United States GO

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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320330103462501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320330103462501 26S.31E.08.32143

Eddy County, New Mexico

1959-02-18

Latitude 32°03'30", Longitude 103°46'25" NAD27

Land-surface elevation 3,252 feet above NAVD88

The depth of the well is 338 feet below land surface.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

D

287.10

Output formats

| Table of dat | ta | | | | | | | | | | |
|--------------|----------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|-------------------------|--|
| Tab-separat | ted data | | | | | | | | | | |
| Graph of da | ata . | | | | | | | | | | |
| Reselect pe | eriod | | | | | | | <u> </u> | | | |
| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |

| Exp | lanation |
|-----|----------|
| | |
| | |

| Section | Code | Description | | | | | |
|--------------------------------|------|---|--|--|--|--|--|
| Water-level date-time accuracy | D | Date is accurate to the Day | | | | | |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot | | | | | |
| Status | Р | Site was being pumped. | | | | | |
| Method of measurement | U | Unknown method. | | | | | |
| Measuring agency | | Not determined | | | | | |
| Source of measurement | U | Source is unknown. | | | | | |
| Water-level approval status | Α | Approved for publication Processing and review completed. | | | | | |

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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: 2020-08-31 12:37:37 EDT

0.27 0.24 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category Groundwater United States GO

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320643103465002

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320643103465002 25S.31E.21.413314A

Eddy County, New Mexico

Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83

Land-surface elevation 3,374.00 feet above NGVD29

The depth of the well is 400 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status | |
|------------|-------------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|---|
| | | | | | | | | | | | | |
| 1959-02-17 | 7 | D | 318.02 | | | 2 | P | | U | l l | J | Α |
| 2013-01-17 | 7 12:40 MST | m m | | | | | D | | S USC | SS | R | Α |

Explanation

| Section | Code | Description | | | | | |
|--------------------------------|------|---|--|--|--|--|--|
| Water-level date-time accuracy | D | Date is accurate to the Day | | | | | |
| Water-level date-time accuracy | m | Date is accurate to the Minute | | | | | |
| Water-level accuracy | | Not determined | | | | | |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot | | | | | |
| Status | D | Site was dry (no water level was recorded). | | | | | |
| Status | P | Site was being pumped. | | | | | |
| Method of measurement | S | Steel-tape measurement. | | | | | |
| Method of measurement | U | Unknown method. | | | | | |
| Measuring agency | | Not determined | | | | | |
| Measuring agency | USGS | U.S. Geological Survey | | | | | |
| Source of measurement | R | Reported by person other than the owner, driller, or another government agency. | | | | | |
| Source of measurement | U | Source is unknown. | | | | | |
| Water-level approval status | Α | Approved for publication Processing and review completed. | | | | | |

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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?

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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:
Groundwater United States GO

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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320932103443801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320932103443801 25S.31E.02.23441

Eddy County, New Mexico

Latitude 32°09'37.4", Longitude 103°44'29.6" NAD83

Land-surface elevation 3,460.00 feet above NGVD29 The depth of the well is 1,016 feet below land surface.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |
|------------|------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | | | | | | | | | |
| 1966-08-18 | | D | 400.00 | | | 2 | | U | | U | А |
| 1976-01-28 | | D | 390.27 | | | 2 | | U | | U | А |

| | Explanation | | | | | | | | |
|--------------------------------|--|---|--|--|--|--|--|--|--|
| Section | Code | Description | | | | | | | |
| Water-level date-time accuracy | D | Date is accurate to the Day | | | | | | | |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot | | | | | | | |
| Status | The reported water-level measurement represents a static level | | | | | | | | |
| Method of measurement | U | Unknown method. | | | | | | | |
| Measuring agency | | Not determined | | | | | | | |
| Source of measurement | U | Source is unknown. | | | | | | | |
| Water-level approval status | Α | Approved for publication Processing and review completed. | | | | | | | |

Questions about sites/data?
Feedback on this web site
Automated retrievals
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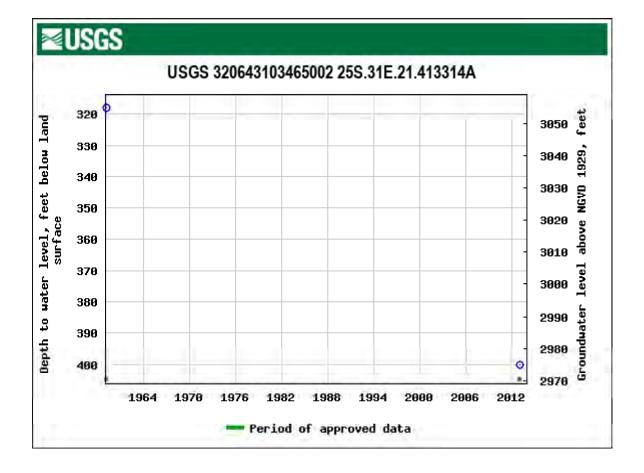
Accessibility FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-08-31 12:42:17 EDT

0.23 0.21 nadww01

News





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X}

C 01777

31E 80 26S

613245 3547409*

Driller License: 208

VAN NOY, W.L.

Driller Name:

VAN NOY, W.L.

09/09/1977

Drill Finish Date:

Driller Company:

09/16/1977

Plug Date:

Drill Start Date: Log File Date:

09/28/1977

PCW Rcv Date:

Shallow Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

325 feet

Depth Water:

300 feet

Water Bearing Stratifications:

6.63

Bottom Description Top

325 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top **Bottom**

295 325

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300

8/31/20 10:34 AM

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X}

C 02248

2 3 08 26S 31E

612942 3547316*

Driller License:

Driller Company:

Driller Name:

UNKNOWN

Drill Start Date:

Drill Finish Date: 12/31/1946 Plug Date:

PCW Rcv Date:

Source:

Log File Date: **Pump Type:**

Pipe Discharge Size:

Estimated Yield: 6 GPM

Casing Size:

6.38 Depth Well:

300 feet **Depth Water:**

292 feet

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^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng C 03639 POD1 2 01 26S 31E

09/23/2013

X Y 620168 3549279

Driller License: 1654 **Driller Company:** NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC

Driller Name: Drill Start Date:

Drill Finish Date: 09/25/2013 **Plug Date:**

Log File Date: 10/25/2013 **PCW Rcv Date:** Source:

Shallow

Pump Type: Pipe Discharge Size: **Estimated Yield:**

Casing Size: 6.00 Depth Well: 700 feet **Depth Water:** 365 feet

Water Bearing Stratifications: **Bottom Description** Top

> 560 600 Sandstone/Gravel/Conglomerate

Casing Perforations: Top **Bottom** 600 660

Meter Number: 16575 Meter Make: **MASTERMETER**

Meter Serial Number: 8827642 **Meter Multiplier:** 100.0000 **Number of Dials: Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent: Usage Multiplier: Reading Frequency:**

Meter Readings (in Acre-Feet)

| Year | Mtr Reading | Flag | Rdr Comment | Mtr Amount Online |
|-----------|--|--|---|-------------------|
| 2013 | 4487 | A | RPT | 0 |
| 2014 | 15593 | A | RPT | 3.408 |
| 2014 | 27654 | A | RPT | 3.701 |
| 2014 | 43114 | A | RPT | 4.744 |
| 2014 | 54047 | A | RPT | 3.355 |
| 2015 | 55287 | A | RPT | 0.381 |
| 2015 | 56670 | A | RPT | 0.424 |
| 2015 | 60341 | A | RPT | 1.127 |
| 2015 | 65590 | A | RPT | 1.611 |
| 2015 | 71252 | A | RPT | 1.738 |
| 2015 | 74451 | A | RPT | 0.982 |
| 2015 | 77975 | A | RPT | 1.081 |
| 2015 | 82253 | A | RPT | 1.313 |
| 2015 | 86369 | A | RPT | 1.263 |
| er Amount | s: Year | | Amount | |
| | 2013 | | 0 | |
| | 2014 | | 15.208 | |
| | 2015 | | 9.920 | |
| | 2013 2014 2014 2014 2015 2015 2015 2015 2015 2015 2015 2015 | 2013 4487 2014 15593 2014 27654 2014 43114 2014 54047 2015 55287 2015 66670 2015 60341 2015 65590 2015 71252 2015 74451 2015 77975 2015 82253 2015 86369 er Amounts: Year 2013 2014 | 2013 4487 A 2014 15593 A 2014 27654 A 2014 43114 A 2014 54047 A 2015 55287 A 2015 66670 A 2015 60341 A 2015 71252 A 2015 74451 A 2015 77975 A 2015 82253 A 2015 86369 A er Amounts: Year 2013 2014 | 2013 |

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New Mexico Office of the State Engineer

Point of Diversion Summary

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

uarters are smallest to largest) (NAD83 UTM in meters)

Q64 Q16 Q4 Sec Tws Rng

X Y

3 3 3 13 25S 30E

609306 3554761

Driller License: 331 **Driller Company:** SBQ2, LLC DBA STEWART BROTHERS DRILLING

Driller Name:

Drill Start Date:

POD Number

C 03781 POD1

Well Tag

01/08/2015 **Drill Finish Date:** 01/10/2015 **Plug Date:**

Log File Date: 02/19/2015 **PCW Rcv Date:** Source: Artesian

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 8.63 Depth Well: 720 feet Depth Water: 325 feet

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 200 | 370 | Sandstone/Gravel/Conglomerate |
| | 370 | 390 | Sandstone/Gravel/Conglomerate |
| | 390 | 410 | Sandstone/Gravel/Conglomerate |
| | 410 | 440 | Sandstone/Gravel/Conglomerate |
| | 440 | 460 | Shale/Mudstone/Siltstone |
| | 460 | 470 | Shale/Mudstone/Siltstone |
| | 470 | 490 | Shale/Mudstone/Siltstone |
| | 490 | 500 | Shale/Mudstone/Siltstone |
| | 500 | 510 | Sandstone/Gravel/Conglomerate |
| | 510 | 530 | Shale/Mudstone/Siltstone |
| | 530 | 660 | Shale/Mudstone/Siltstone |
| | 660 | 690 | Shale/Mudstone/Siltstone |
| | 690 | 700 | Shale/Mudstone/Siltstone |
| | 700 | 720 | Shale/Mudstone/Siltstone |
| Casing Perforations: | Тор | Bottom | |
| | 340 | 720 | |
| x | | | |

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New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng NA C 04256 POD1 2 01 31E 26S

 \mathbf{X} 620384 3549257

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: BRYCE WALLACE

Drill Start Date:

Drill Finish Date: 07/04/2018 Plug Date: 06/28/2018

Log File Date: 07/18/2018 **PCW Rcv Date:** Source: Artesian **Pump Type:** Pipe Discharge Size: **Estimated Yield:** 40 GPM **Casing Size:** 5.80 Depth Well: 666 feet **Depth Water:** 340 feet

| X | Water Bearing Stratifications: | Тор | Bottom | Description |
|---|--------------------------------|-----|--------|-------------------------------|
| | | 330 | 390 | Sandstone/Gravel/Conglomerate |
| | | 390 | 430 | Sandstone/Gravel/Conglomerate |
| | | 430 | 480 | Sandstone/Gravel/Conglomerate |
| | | 480 | 610 | Sandstone/Gravel/Conglomerate |
| x | Casing Perforations: | Тор | Bottom | |
| | | 326 | 666 | |
| x | | | | |

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8/31/20 10:33 AM

| | | | | | | | | | BH or PH Name: | Date: | | | |
|-----------------------------------|---|----------------|----------|------------------|-----------------------------|---------------|---------------------|------------|-------------------------|---------------|--------|--|--|
| 7 | 1 | | 1 | | WS | P USA | | | PH01 | 6/18/2021 | | | |
| | | | | | | | | Site Name: | PLU 28 BS 158H | | | | |
| | 508 West Stevens Street Carlsbad, New Mexico 88220 | | | | | | | | RP or Incident Number: | NRM2025263987 | · | | |
| | | | | | | | | | WSP Job Number: | TE012920134 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | | Logged By: Will M. | Method: | T. Hoe | | |
| Lat/Long: | | | | Field Screening: | | | | | Hole Diameter: | Total Depth: | | | |
| 32.10227, -103.77669 Hatch Chlori | | | | | oride Strips | s, PID | | 24" | 4.0' | | | | |
| | Comments: TD at 4.0 feet | | | | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | (ft bgs) | USCS/Rock Symbol | | Litholo | gy/Remarks | | | |
| | | | | | <u> </u> | 0 | | | | | | | |
| D | 3,040 | 1.1 | N | PH01 | 1.0 | 1.0 | CCHE | Poorly co | onsolidated caliche, so | me sand. | | | |
| | | | | | | _ | | Odor, no | plasticity, Organics. | Гan | | | |
| D | 582 | 8.0 | Ν | PH01A | 2.0 | 2.0 | | | nsolidated caliche, so | | | | |
| | | | | | - | - | | ino odor, | no plasticity, Organics | . ran/vville | | | |
| | | | | | | _ | | | | | | | |
| D | BDL | 0.6 | Ν | PH01B | 4.0 | 4.0 | | | nsolidated caliche, so | | | | |
| | | | | | - | - | | ino odor, | no plasticity, Organics | . ran/wmite | | | |
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| PHOTOGRAPHIC LOG | | | | | | |
|------------------|-----------------|-------------|--|--|--|--|
| XTO Energy, Inc. | PLU 28 BS 158H | TE012920134 | | | | |
| | Eddy County, NM | | | | | |

Photo No. Date

1 June 18, 2021

Advancement of delineation PH01 within central area of release extent



| Photo No. | Date | | | |
|-----------------------------------|---------------|--|--|--|
| 2 | June 18, 2021 | | | |
| Western view of excavation extent | | | | |





| | PHOTOGRAPHIC LOG | |
|------------------|------------------|-------------|
| XTO Energy, Inc. | PLU 28 BS 158H | TE012920134 |
| | Eddy County, NM | |

Photo No. Date

3 June 21, 2021

Continued excavation efforts



Photo No. Date
4 June 21, 2021

Southwestern view of final

excavation extent



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-841-1

Laboratory Sample Delivery Group: TE012920134

Client Project/Site: PLU 28 BS 158H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MAMER

Authorized for release by: 6/24/2021 10:21:47 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

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Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 9/17/2021 10:40:07 AM

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

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

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Client: WSP USA Inc.

Laboratory Job ID: 890-841-1

Project/Site: PLU 28 BS 158H

SDG: TE012920134

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| QC Sample Results | 9 |
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| Sample Summary | 17 |
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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Qualifiers

GC VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL

Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-841-1

SDG: TE012920134

Job ID: 890-841-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-841-1

Receipt

The samples were received on 6/21/2021 8:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-841-1), FS02 (890-841-2), FS03 (890-841-3) and FS04 (890-841-4).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS01 (890-841-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: FS01 (890-841-1). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA

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

HPLC/IC

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

Job ID: 890-841-1 SDG: TE012920134

Project/Site: PLU 28 BS 158H

Client Sample ID: FS01

Lab

Lab Sample ID: 890-841-1

Matrix: Solid

Date Received: 06/21/21 08:43 Sample Depth: - 1

Date Collected: 06/18/21 13:21

Client: WSP USA Inc.

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 136 | S1+ | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 17:51 | 1 |

| Method: 8015B NM - Diesel Rang | je Organics (D | RO) (GC) | | | | | | |
|---|----------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 107 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |
| o-Terphenyl | 116 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 19:19 | 1 |

| Method: 300.0 - Anions, Ion Chro | matography - Soluble | | | | | | |
|----------------------------------|----------------------|------|-------|---|----------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3940 | 25.0 | mg/Kg | | | 06/23/21 01:14 | 5 |

Client Sample ID: FS02

Date Collected: 06/18/21 14:45

Lab Sample ID: 890-841-2

Matrix: Solid

Date Received: 06/21/21 08:43

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:11 | 1 |

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Matrix: Solid

Lab Sample ID: 890-841-2

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-841-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Client Sample ID: FS02

Date Collected: 06/18/21 14:45 Date Received: 06/21/21 08:43

Sample Depth: - 1.5

| Method: 8015B NM - Diesel Rang | ge Organics (D | RO) (GC) | | | | | | |
|--------------------------------------|----------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| C10-C28) | | | | | | | | |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 121 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| o-Terphenyl | 126 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 19:40 | 1 |
| - Method: 300.0 - Anions, Ion Chr | omatography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3560 | | 25.3 | mg/Kg | | | 06/23/21 01:19 | 5 |

Client Sample ID: FS03

Date Collected: 06/18/21 14:50

Matrix: Solid

Date Received: 06/21/21 08:43

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--|-------------------------------|--|----------------------------------|----------|--|--|---------------------------------------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:32 | 1 |
| Method: 8015B NM - Diesel Ranç Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | |
| • | | | | | | | | |
| Analyte Gasoline Range Organics | • | Qualifier | RL 49.7 | Unit mg/Kg | D | Prepared 06/22/21 14:14 | Analyzed 06/22/21 20:01 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | | Qualifier U | 49.7 | mg/Kg | <u>D</u> | 06/22/21 14:14 | 06/22/21 20:01 | 1 |
| Analyte Gasoline Range Organics | Result | Qualifier U | | | <u>D</u> | | | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | | Qualifier U | 49.7 | mg/Kg | <u>D</u> | 06/22/21 14:14 | 06/22/21 20:01 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.7 | Qualifier U U | 49.7 | mg/Kg | <u> </u> | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:01 06/22/21 20:01 | 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <49.7 <49.7 <49.7 | Qualifier U U U U | 49.7 49.7 49.7 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 | 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH | Result <49.7 <49.7 <49.7 <49.7 | Qualifier U U U U | 49.7 49.7 49.7 49.7 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 | 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate | Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 %Recovery | Qualifier U U U U | 49.7 49.7 49.7 49.7 Limits | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared | 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 Analyzed | 1 1 1 1 1 Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result | Qualifier U U U Qualifier | 49.7 49.7 49.7 49.7 Limits 70 - 130 | mg/Kg mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 Analyzed 06/22/21 20:01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U U U Qualifier | 49.7 49.7 49.7 49.7 Limits 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 06/22/21 20:01 Analyzed 06/22/21 20:01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

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Matrix: Solid

Lab Sample ID: 890-841-4

Client Sample Results

Client: WSP USA Inc. Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS04

Date Collected: 06/18/21 12:54 Date Received: 06/21/21 08:43

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--|-------------------------------|---|-------------------------|----------|--|--|---------------------------------------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Total BTEX | <0.00404 | U | 0.00404 | mg/Kg | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 18:52 | 1 |
| Method: 8015B NM - Diesel Rand | ge Organics (D | RO) (GC) | | | | | | |
| Method: 8015B NM - Diesel Rand | ge Organics (D | RO) (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | <u>D</u> | Prepared 06/22/21 14:14 | Analyzed 06/22/21 20:22 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <50.0 | Qualifier U | 50.0 | mg/Kg | <u>D</u> | 06/22/21 14:14 | 06/22/21 20:22 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result | Qualifier U | | | <u>D</u> | <u>·</u> | | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | Qualifier U | 50.0 | mg/Kg | <u>D</u> | 06/22/21 14:14 | 06/22/21 20:22 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <50.0 <50.0 | Qualifier U U | 50.0 | mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:22 | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH | Result <50.0 <50.0 <50.0 | Qualifier U U U U | 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate | Result <50.0 <50.0 <50.0 <50.0 <50.0 | Qualifier U U U U | 50.0 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result | Qualifier U U U U | 50.0 50.0 50.0 50.0 <i>Limits</i> | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared | 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 Analyzed | Dil Fa |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U U U Qualifier | 50.0 50.0 50.0 50.0 Limits 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 Analyzed 06/22/21 20:22 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chronalyte | Result | Qualifier U U U Qualifier | 50.0 50.0 50.0 50.0 Limits 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 06/22/21 20:22 Analyzed 06/22/21 20:22 | Dil Fac |

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Released to Imaging: 9/17/2021 10:40:07 AM

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| - | | | | Percent Surrogate Re |
|-----------------------|--------------------|----------|----------|----------------------|
| | | BFB1 | DFBZ1 | _ |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-841-1 | FS01 | 136 S1+ | 93 | |
| 890-841-2 | FS02 | 115 | 99 | |
| 890-841-3 | FS03 | 117 | 100 | |
| 890-841-4 | FS04 | 120 | 102 | |
| LCS 880-4418/1-A | Lab Control Sample | 109 | 97 | |
| MB 880-4418/5-A | Method Blank | 114 | 91 | |
| Surrogate Legend | | | | |
| BFB = 4-Bromofluorob | enzene (Surr) | | | |
| DFBZ = 1,4-Difluorobe | enzene (Surr) | | | |

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | | -1- Nr |
|------------------------|------------------------|--|--|
| | | | Percent Surrogate Recovery (Acceptance Limits) |
| | BFB1 | DFBZ1 | |
| Client Sample ID | | | |
| Lab Control Sample Dup | | | |
| | | | |
| nzene (Surr) | | | |
| zene (Surr) | | | |
| | Lab Control Sample Dup | Client Sample ID Lab Control Sample Dup nzene (Surr) | Client Sample ID Lab Control Sample Dup nzene (Surr) |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|-------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-841-1 | FS01 | 107 | 116 | |
| 890-841-2 | FS02 | 121 | 126 | |
| 890-841-3 | FS03 | 118 | 126 | |
| 890-841-4 | FS04 | 124 | 130 | |
| LCS 880-4481/2-A | Lab Control Sample | 115 | 113 | |
| LCSD 880-4481/3-A | Lab Control Sample Dup | 114 | 113 | |
| MB 880-4481/1-A | Method Blank | 106 | 116 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc.

Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4418/5-A

Matrix: Solid Analysis Batch: 4445 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4418

| | MB | MB | | | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|--|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | | | |
| | | | | | | | | | | |

MB MB

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114 | 70 - 130 | 06/21/21 13:11 | 06/22/21 11:20 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | 70 - 130 | 06/21/21 13:11 | 06/22/21 11:20 | 1 |

Lab Sample ID: LCS 880-4418/1-A

Matrix: Solid

Analysis Batch: 4445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4418

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09076 mg/Kg 91 70 - 130 0.100 Toluene 0.1052 mg/Kg 105 70 - 130 0.100 0.1066 107 Ethylbenzene mg/Kg 70 - 130 0.200 0.2235 112 70 - 130 m-Xylene & p-Xylene mg/Kg o-Xylene 0.100 0.1124 mg/Kg 112 70 - 130

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 109 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 97 | 70 - 130 |

Lab Sample ID: LCSD 880-4418/2-A

Matrix: Solid

Analysis Batch: 4445

| Client S | Sample | ID: | Lab | Con | trol | Samp | le | Du | ρ |
|----------|--------|-----|-----|-----|------|------|----|----|---|
| | | | | _ | _ | _ | | | |

Prep Type: Total/NA

Prep Batch: 4418

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.100 0.09727 mg/Kg Toluene 0.100 0.1169 mg/Kg Ethylbenzene 0.100 0.1171 mg/Kg 0.200 m-Xylene & p-Xylene 0.2436 mg/Kg 0.100 0.1217 o-Xylene mg/Kg

LCSD LCSD

%Recovery Qualifier Limits Surrogate

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H

Job ID: 890-841-1 SDG: TE012920134

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

Lab Sample ID: MB 880-4481/1-A

Analysis Batch: 4468

Matrix: Solid

| Client | Sample | ID: | Method | Blank |
|--------|--------|-----|--------|-------|
| | | | | |

Prep Type: Total/NA

Prep Batch: 4481

| | MB | MR | | | | | | |
|-----------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| | | | | | | | | |

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MD MD

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| o-Terphenyl | 116 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-4481/2-A M

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| Matrix: Solid | | | Prep Type: Total/NA |
|----------------------|-------|---------|---------------------|
| Analysis Batch: 4468 | | | Prep Batch: 4481 |
| | Spike | LCS LCS | %Rec. |

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 855.3 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 950.3 mg/Kg 70 - 130

C10-C28)

LCS LCS

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 115 | | 70 - 130 |
| o-Terphenyl | 113 | | 70 - 130 |

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 4468

Lab Sample ID: LCSD 880-4481/3-A

Prep Type: Total/NA Prep Batch: 4481

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics | 1000 | 838.4 | | mg/Kg | | 84 | 70 - 130 | 2 | 20 | |
| (GRO)-C6-C10 | | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 934.8 | | mg/Kg | | 93 | 70 - 130 | 2 | 20 | |
| C10-C28) | | | | | | | | | | |

| | LCSD | LUSD | | | |
|----------------|-----------|-----------|----------|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | |
| 1-Chlorooctane | 114 | | 70 - 130 | | |
| o-Terphenyl | 113 | | 70 - 130 | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4412/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4486

MB MB

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 06/22/21 22:52 | 1 |

QC Sample Results

Job ID: 890-841-1 Client: WSP USA Inc. Project/Site: PLU 28 BS 158H

SDG: TE012920134

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4412/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4486

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 236.6 mg/Kg 95 90 - 110

Lab Sample ID: LCSD 880-4412/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4486

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Limit Analyte Unit D %Rec Limits RPD Chloride 250 237.1 mg/Kg 95 90 - 110 0

Lab Sample ID: MB 880-4413/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4487

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Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 06/23/21 01:43 mg/Kg

Lab Sample ID: LCS 880-4413/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4487

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits 232.2 Chloride 250 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-4413/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4487

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 250 Chloride 232.4 mg/Kg 93 90 - 110 0 20

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-841-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

GC VOA

Prep Batch: 4418

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-841-1 | FS01 | Total/NA | Solid | 5035 | |
| 890-841-2 | FS02 | Total/NA | Solid | 5035 | |
| 890-841-3 | FS03 | Total/NA | Solid | 5035 | |
| 890-841-4 | FS04 | Total/NA | Solid | 5035 | |
| MB 880-4418/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-4418/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-4418/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 4445

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch | |
|-------------------|------------------------|-----------|--------|--------|------------|--|
| 890-841-1 | FS01 | Total/NA | Solid | 8021B | 4418 | |
| 890-841-2 | FS02 | Total/NA | Solid | 8021B | 4418 | |
| 890-841-3 | FS03 | Total/NA | Solid | 8021B | 4418 | |
| 890-841-4 | FS04 | Total/NA | Solid | 8021B | 4418 | |
| MB 880-4418/5-A | Method Blank | Total/NA | Solid | 8021B | 4418 | |
| LCS 880-4418/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 4418 | |
| LCSD 880-4418/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4418 | |

GC Semi VOA

Analysis Batch: 4468

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-841-1 | FS01 | Total/NA | Solid | 8015B NM | 4481 |
| 890-841-2 | FS02 | Total/NA | Solid | 8015B NM | 4481 |
| 890-841-3 | FS03 | Total/NA | Solid | 8015B NM | 4481 |
| 890-841-4 | FS04 | Total/NA | Solid | 8015B NM | 4481 |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015B NM | 4481 |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 4481 |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 4481 |

Prep Batch: 4481

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 890-841-1 | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-841-2 | FS02 | Total/NA | Solid | 8015NM Prep | |
| 890-841-3 | FS03 | Total/NA | Solid | 8015NM Prep | |
| 890-841-4 | FS04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

HPLC/IC

Leach Batch: 4412

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method Prep | Batch |
|-------------------|------------------------|-----------|--------|-------------|-------|
| 890-841-1 | FS01 | Soluble | Solid | DI Leach | |
| 890-841-2 | FS02 | Soluble | Solid | DI Leach | |
| MB 880-4412/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4412/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4412/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: WSP USA Inc. Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

HPLC/IC

Leach Batch: 4413

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-841-3 | FS03 | Soluble | Solid | DI Leach | |
| 890-841-4 | FS04 | Soluble | Solid | DI Leach | |
| MB 880-4413/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4413/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4413/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Analysis Batch: 4486

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-841-1 | FS01 | Soluble | Solid | 300.0 | 4412 |
| 890-841-2 | FS02 | Soluble | Solid | 300.0 | 4412 |
| MB 880-4412/1-A | Method Blank | Soluble | Solid | 300.0 | 4412 |
| LCS 880-4412/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4412 |
| LCSD 880-4412/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4412 |

Analysis Batch: 4487

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-841-3 | FS03 | Soluble | Solid | 300.0 | 4413 |
| 890-841-4 | FS04 | Soluble | Solid | 300.0 | 4413 |
| MB 880-4413/1-A | Method Blank | Soluble | Solid | 300.0 | 4413 |
| LCS 880-4413/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4413 |
| LCSD 880-4413/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4413 |

Client: WSP USA Inc. Job ID: 890-841-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS01

Date Received: 06/21/21 08:43

Lab Sample ID: 890-841-1 Date Collected: 06/18/21 13:21 Matrix: Solid

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 17:51 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 19:19 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4412 | 06/21/21 12:20 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4486 | 06/23/21 01:14 | CH | XEN MID |

Client Sample ID: FS02 Lab Sample ID: 890-841-2

Matrix: Solid

Date Collected: 06/18/21 14:45 Date Received: 06/21/21 08:43

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 18:11 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 19:40 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4412 | 06/21/21 12:20 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4486 | 06/23/21 01:19 | CH | XEN MID |

Client Sample ID: FS03 Lab Sample ID: 890-841-3

Matrix: Solid

Date Collected: 06/18/21 14:50 Date Received: 06/21/21 08:43

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 18:32 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 20:01 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4487 | 06/23/21 03:40 | CH | XEN MID |

Lab Sample ID: 890-841-4 **Client Sample ID: FS04** Date Collected: 06/18/21 12:54 **Matrix: Solid**

Date Received: 06/21/21 08:43

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 18:52 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 20:22 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | 4487 | 06/23/21 03:45 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-841-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | | rogram | Identification Number | Expiration Date |
|------------------------|--------------------------------|----------------------------------|---|---------------------------|
| Texas | NELAP | | T104704400-20-21 | 06-30-21 |
| The following analytes | are included in this report by | ut the laboratory is not certifi | ed by the governing authority. This list ma | y include analytes for y |
| the agency does not of | • • | at the laboratory to not out in | ed by the governing additionty. This list the | ay include analytes for t |
| , | • • | Matrix | Analyte | ay include analytes for t |
| the agency does not of | fer certification. | • | , , , | |

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-841-1 SDG: TE012920134

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| 8015NM Prep | Microextraction | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-841-1 SDG: TE012920134

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | D |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-841-1 | FS01 | Solid | 06/18/21 13:21 | 06/21/21 08:43 | - |
| 890-841-2 | FS02 | Solid | 06/18/21 14:45 | 06/21/21 08:43 | - |
| 890-841-3 | FS03 | Solid | 06/18/21 14:50 | 06/21/21 08:43 | - 1. |
| 890-841-4 | FS04 | Solid | 06/18/21 12:54 | 06/21/21 08:43 | - 1.5 |

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|--|--|--|---|--|---------------------------------|---------------------|-------------------|--------------------------------------|--|--|-----------------------------------|---|--------------------------|
| X | | | Houston,T) Midland,1 | < (281) 240-420 X (432-704-544 | 0 Dalla 0) EL I | s,TX (2 Paso,T) | 14) 902 (915): | -0300 -85-344 | Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 | | | | |
| | the figure of the second of th | Hobbs, | NM (575-392-7 | 50) Phoenix,A | 2 (480- | 355-090 |)0) Atla | nta,GA | Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) | -620-2000) | www.xenco.com | n Page | of |
| Project Manager: | Dan Moir | | Ві | Bill to: (if different) | 5 | Kyle Littrell | le⊟ | | | | Work Order Comments | Comments | |
| | WSP USA Inc., Permian office | nian office | C | Company Name: | | 10 En | XTO Energy, Inc | ļ. | | Program: UST/PST | T □RP □ rownfields | 궁 | ¶perfund ☐ |
| | 3300 North A Street | | A | Address: | _ | | | | | State of Project: | ř | | |
| City, State ZIP: | Midland, Tx 79705 | | C | City, State ZIP: | _ | | | | | Reporting:Level II | ∏evel III ☐ | JET/UST JRP IPV | lbvei IV |
| | (432) 236-3849 | | Email: wi | Email: will.mather@wsp.com, dan.moir@wsp.com | om, da | n.moir(| Dwsp.c | lia I | | Deliverables: EDD | ADaPT | PT Other: | |
| Project Name: | PLU 28 | PLU 28 BS 158H | Turn | Turn Around | | | | | ANALYSIS REQUEST | EST | | Work Order Notes | Notes |
| Project Number: | TE012 | TE012920134 | Routine | 7 | | _ | | | | | | AFE: DD.2017.01918.CAP.CMP.01 | CAP.CMP.01 |
| P.O. Number: | Ec | Eddy | Rush: | | | | | | | | | Incident ID: NRM2025263987 | 25263987 |
| Sampler's Name: | William | William Mather | Due Date | ē: | | | _ | | | _ _ _ | - | ., | |
| SAMPLE RECEIPT | PT Temp Blank: | ınk: Yes No | Wet Ice: (Yes | N _O | | | | | | | | | |
| Temperature (°C): | 1.8/4.6 | | Thermometer ID | | iners | 4 | -+ |)) | | | | | |
| Received Intact: | Yes No | 7 | THE BUN | | 7 | | Ŧ | 300.0 | | | | | |
| Cooler Custody Seals: | Yes No | | 1 | 0.2 | _ | | | PA | 090-041 Cin | Cidition Casion | - | TAT starts the day recevied by the | cevied by the |
| Sample Identification | ification Matrix | Dat | e Time | Depth | umber | PH (EP/ | TEX (EI | hloride | | | | Sample Comments | ıments |
| FS01 | S | 6/18/2021 | 13:21 1' | | - | | | × | | | | Composite | Ê |
| FS02 | S | 6/18/2021 | 14:45 1. | 5 <u>1</u> | | × | | × | | | | Composite | fe |
| FS03 | s | 6/18/2021 | 14:50 1.5 | Qī. | | × | × | × | | | | Composite | ite |
| FS04 | v | 6/18/2021 | 12:54 1.5 | Q | | × | × | × | | | | Composite | site |
| | | | | | | | | | | | | | |
| | | | | | | - | | | | | | | |
| | | | | | 1 | 12 | 4 | \mathbb{L} | | | | | |
| | | | | | - | | _ | - | | | | | |
| Total 200.7 / 6010 Circle Method(s) a | otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed | | 8RCRA 13PPM | M Texas 11 6010: 8RCF | Al Sb | Sb As | Ba B | Be B | RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se | Mn Mo Ag TI | Ni K Se Ag SiO2 | Na Sr Tl Sn ∪ V 631 / 245.1 / 7470 / | Zn / 7471 : Hg |
| lotice: Signature of this do f service. Xenco will be li f Xenco. A minimum char | votice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be | nt of samples constituent of samples and shall not do each project and | tutes a valid purc assume any resp d a charge of \$5 fo | hase order from onsibility for any arch sample s | client co losses lomitted | mpany i or exper | to Xence | o, its affi urred by not analy | liates and subcontractors. It assig the client if such losses are due to zed. These terms will be enforced | s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. | onditions the control ated. | | |
| Relinguished by: (Signature) | (Signature) | | Received by: (Signature) |) | | Date/Time | me | Ш | Relinquished by: (Signature) | | Received by: (Signature) | | Date/Time |
| W.M. | 8 | Circ Circh | D. | | 2-21- | 2 | SH 80 | | | | | | |
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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-841-1 SDG Number: TE012920134

List Source: Eurofins Xenco, Carlsbad

Login Number: 841 List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-841-1 SDG Number: TE012920134

Login Number: 841 List Source: Eurofins Xenco, Midland List Number: 2

List Creation: 06/22/21 11:59 AM

Creator: Copeland, Tatiana

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

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-842-1

Laboratory Sample Delivery Group: TE012920134

Client Project/Site: PLU 28 BS 158H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MAMER

Authorized for release by: 6/24/2021 10:24:00 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

IOIOIACCES

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 9/17/2021 10:40:07 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Laboratory Job ID: 890-842-1

SDG: TE012920134

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-842-1 SDG: TE012920134

Job ID: 890-842-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-842-1

Comments

No additional comments.

Receipt

The samples were received on 6/21/2021 8:48 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SS01 (890-842-1), SS02 (890-842-2), SS03 (890-842-3), SS04 (890-842-4) and SS05 (890-842-5).

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: SS01 (890-842-1), SS02 (890-842-2), SS03 (890-842-3) and SS05 (890-842-5). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA

Method 8015B NM: The continuing calibration verifications were spiked at a 1000ppm when the usual concentration is 500ppm. Recovery is still in acceptable limits, so the data was qualified and reported.

(CCV 880-4468/28) and (CCV 880-4468/39)

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

General Chemistry

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

Organic Prep

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

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

Eurofins Xenco, Carlsbad 6/24/2021

Page 4 of 22

Released to Imaging: 9/17/2021 10:40:07 AM

Matrix: Solid

Lab Sample ID: 890-842-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: SS01

Date Collected: 06/18/21 09:40 Date Received: 06/21/21 08:48

Sample Depth: - 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--|-----------------------|------------------------------------|----------------------------|----------|---|--|--|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| Xylenes, Total | < 0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4. Due see office see his see a constant | | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| 4-Bromotiuoropenzene (Surr) | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 98 | DO) (CC) | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:12 | 1 |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rai | 98 nge Organics (D | RO) (GC) Qualifier | 70 ₋ 130 RL | Unit | D | 06/22/21 13:12 Prepared | 06/22/21 19:12 Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics | 98 nge Organics (D | Qualifier | | <mark>Unit</mark> mg/Kg | <u>D</u> | | | Dil Fac |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rai Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 98 nge Organics (D | Qualifier | RL | | <u>D</u> | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rail Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over | nge Organics (Di Result <50.0 | Qualifier | RL 50.0 | mg/Kg | <u> </u> | Prepared 06/22/21 14:14 | Analyzed 06/22/21 20:43 | 1 |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rail Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | 98 nge Organics (Di Result <50.0 609 | Qualifier | RL 50.0 | mg/Kg | <u>D</u> | Prepared 06/22/21 14:14 06/22/21 14:14 | Analyzed 06/22/21 20:43 | 1 |
| 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Raid Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH | 98 nge Organics (Di Result <50.0 609 | Qualifier U | RL 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | Prepared 06/22/21 14:14 06/22/21 14:14 | Analyzed 06/22/21 20:43 06/22/21 20:43 06/22/21 20:43 | 1 1 |
| C10-C28) Oll Range Organics (Over | 98 nge Organics (Di Result <50.0 609 182 | Qualifier U | RL 50.0 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | Prepared 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | Analyzed 06/22/21 20:43 06/22/21 20:43 06/22/21 20:43 06/22/21 20:43 | Dil Fac 1 1 1 Dil Fac 1 1 Dil Fac |

Client Sample ID: SS02 Lab Sample ID: 890-842-2 **Matrix: Solid**

RL

251

Unit

mg/Kg

D

Prepared

Date Collected: 06/18/21 09:42 Date Received: 06/21/21 08:48

Result Qualifier

39300

Sample Depth: - 0.5

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:33 | 1 |

Dil Fac

50

Analyzed

06/23/21 03:50

Matrix: Solid

Lab Sample ID: 890-842-2

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-842-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Client Sample ID: SS02

Date Collected: 06/18/21 09:42 Date Received: 06/21/21 08:48

Sample Depth: - 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over C10-C28) | 101 | | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| Total TPH | 101 | | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 99 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| o-Terphenyl | 107 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 21:04 | 1 |
| Method: 300.0 - Anions, Ion Chro | matography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | 17700 | | 252 | | | | | 50 |

Client Sample ID: SS03

Date Collected: 06/18/21 09:44

Matrix: Solid

Date Collected: 06/18/21 09:44 Date Received: 06/21/21 08:48

Sample Depth: - 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------------------------------------|----------------------------------|---|-------------------------|----------|--|--|---------------------------------------|
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Xylenes, Total | < 0.00396 | U | 0.00396 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Total BTEX | <0.00396 | U | 0.00396 | mg/Kg | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 124 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 19:53 | 1 |
| Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics | • | Qualifier | RL 49.9 | Unit mg/Kg | <u>D</u> | Prepared 06/22/21 14:14 | Analyzed 06/22/21 21:25 | |
| Analyte Gasoline Range Organics | Result | Qualifier | | | <u>D</u> | | | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result | Qualifier | | | <u>D</u> | | | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.9 1030 | Qualifier | 49.9 | mg/Kg | <u> </u> | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over | | Qualifier | 49.9 | mg/Kg | <u> </u> | 06/22/21 14:14 | 06/22/21 21:25 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.9 1030 | Qualifier | 49.9 | mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <49.9 1030 381 | Qualifier U | 49.9 49.9 49.9 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 | 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH | Result <49.9 1030 381 1410 | Qualifier U | 49.9 49.9 49.9 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 | 1 1 1 Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate | Result <49.9 1030 381 1410 %Recovery | Qualifier U | 49.9 49.9 49.9 49.9 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 <i>Prepared</i> | 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result | Qualifier U Qualifier Soluble | 49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 Analyzed 06/22/21 21:25 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U | 49.9 49.9 49.9 49.9 Limits 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 06/22/21 21:25 Analyzed 06/22/21 21:25 | Dil Fac 1 1 1 Dil Fac 1 Dil Fac |

Eurofins Xenco, Carlsbad

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Sample Depth: - 0.5

Job ID: 890-842-1

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: SS04 Date Collected: 06/18/21 09:45 Date Received: 06/21/21 08:48

Lab Sample ID: 890-842-4 Matrix: Solid

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|--------|---|
| il Fac | |
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| 1 | |
| 1 | 8 |
| 1 | |
| | |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|-----------------------|--|----------------|---|--|--|---------------------------------------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 20:14 | 1 |
| Analyte Gasoline Pange Organics | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Method: 8015B NM - Diesel Rang | ge Organics (D | RO) (GC) | | | | | | |
| Gasoline Range Organics | | | | | | | | |
| | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:07 | 1 |
| (GRO)-C6-C10 | | U | | | | | 06/22/21 22:07 | 1 |
| | <50.0 123 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | | |
| (GRO)-C6-C10 Diesel Range Organics (Over | | | | | | | 06/22/21 22:07 | 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 123 | | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:07 06/22/21 22:07 | 1 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH | 123 <50.0 | U | 50.0 50.0 | mg/Kg mg/Kg | | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 | 1 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | 123 <50.0 123 %Recovery | U | 50.0 50.0 50.0 | mg/Kg mg/Kg | | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 | 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate | 123 <50.0 123 <u>%Recovery</u> 137 | U <i>Qualifier</i> | 50.0 50.0 50.0 Limits | mg/Kg mg/Kg | | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared | 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | 123 <50.0 123 **Recovery 137 144 | Qualifier S1+ S1+ | 50.0 50.0 50.0 Limits 70 - 130 | mg/Kg mg/Kg | | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 Analyzed 06/22/21 22:07 | 1 1 1 1 Dil Fac |
| (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | 123 <50.0 123 **Recovery 137 144 comatography - | Qualifier S1+ S1+ | 50.0 50.0 50.0 Limits 70 - 130 | mg/Kg mg/Kg | | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 06/22/21 22:07 Analyzed 06/22/21 22:07 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

Client Sample ID: SS05 Lab Sample ID: 890-842-5 Date Collected: 06/18/21 09:47 **Matrix: Solid**

Date Received: 06/21/21 08:48 Sample Depth: - 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| Total BTEX | <0.00403 | U | 0.00403 | mg/Kg | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |
| 1.4-Difluorobenzene (Surr) | 93 | | 70 - 130 | | | 06/22/21 13:12 | 06/22/21 20:34 | 1 |

Matrix: Solid

Lab Sample ID: 890-842-5

Client Sample Results

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: SS05

Date Collected: 06/18/21 09:47 Date Received: 06/21/21 08:48

Sample Depth: - 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|----------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| Diesel Range Organics (Over C10-C28) | 5750 | | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| Oll Range Organics (Over C28-C36) | 3110 | | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| Total TPH | 8860 | | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 125 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| o-Terphenyl | 140 | S1+ | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 22:28 | 1 |
| Method: 300.0 - Anions, Ion Ch | romatography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 20500 | | 249 | mg/Kg | | | 06/23/21 04:06 | 50 |

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| - | | | | Percent Surrogate Re |
|-----------------------|--------------------|----------|----------|----------------------|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-842-1 | SS01 | 127 | 98 | |
| 890-842-2 | SS02 | 121 | 99 | |
| 890-842-3 | SS03 | 124 | 95 | |
| 890-842-4 | SS04 | 117 | 99 | |
| 890-842-5 | SS05 | 120 | 93 | |
| LCS 880-4418/1-A | Lab Control Sample | 109 | 97 | |
| MB 880-4418/5-A | Method Blank | 114 | 91 | |
| Surrogate Legend | | | | |
| BFB = 4-Bromofluorobe | nzene (Surr) | | | |

Method: 8021B - Volatile Organic Compounds (GC)

Prep Type: Total/NA **Matrix: Solid**

| | | | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|------------------------|-----------------------------------|------|-------|--|--|--|--|--|--|
| | | BFB1 | DFBZ1 | | | | | | |
| Lab Sample ID | Client Sample ID | | | | | | | | |
| LCSD 880-4418/2-A | Lab Control Sample Dup | | | | | | | | |
| Surrogate Legend | | | | | | | | | |
| BFB = 4-Bromofluorobe | BFB = 4-Bromofluorobenzene (Surr) | | | | | | | | |
| DFB7 = 1.4-Difluorober | nzene (Surr) | | | | | | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| ab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 90-842-1 | SS01 | 125 | 128 | |
| 90-842-2 | SS02 | 99 | 107 | |
| 90-842-3 | SS03 | 126 | 126 | |
| 90-842-4 | SS04 | 137 S1+ | 144 S1+ | |
| 90-842-5 | SS05 | 125 | 140 S1+ | |
| CS 880-4481/2-A | Lab Control Sample | 115 | 113 | |
| CSD 880-4481/3-A | Lab Control Sample Dup | 114 | 113 | |
| 1B 880-4481/1-A | Method Blank | 106 | 116 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H

Job ID: 890-842-1 SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4418/5-A

Matrix: Solid

Analysis Batch: 4445 MD MD Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 4418

| | IVID | ID IVID | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | • |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | • |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | • |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | • |
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | 06/21/21 13:11 | 06/22/21 11:20 | |
| | | | | | | | | |

MB MB

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114 | 70 - 130 | 06/21/21 13:11 | 06/22/21 11:20 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | 70 - 130 | 06/21/21 13:11 | 06/22/21 11:20 | 1 |

Lab Sample ID: LCS 880-4418/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 4445

Prep Type: Total/NA

Prep Batch: 4418

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09076 mg/Kg 91 70 - 130 0.100 Toluene 0.1052 mg/Kg 105 70 - 130 0.100 0.1066 107 Ethylbenzene mg/Kg 70 - 130 0.200 0.2235 112 70 - 130 m-Xylene & p-Xylene mg/Kg o-Xylene 0.100 0.1124 mg/Kg 112 70 - 130

LCS LCS

LCSD LCSD %Recovery Qualifier

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 109 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 97 | 70 - 130 |

Lab Sample ID: LCSD 880-4418/2-A

Matrix: Solid

Analysis Batch: 4445

| Client Sample | ID: La | b Cor | itrol S | Sample | Dup |
|---------------|--------|-------|---------|--------|-----|
| | | _ | _ | | |

Prep Type: Total/NA

Prep Batch: 4418

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.100 0.09727 mg/Kg Toluene 0.100 0.1169 mg/Kg Ethylbenzene 0.100 0.1171 mg/Kg 0.200 m-Xylene & p-Xylene 0.2436 mg/Kg 0.100 o-Xylene 0.1217 mg/Kg

Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Surrogate

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Client: WSP USA Inc.

Job ID: 890-842-1

SDG: TE012920134

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

Lab Sample ID: MB 880-4481/1-A

Matrix: Solid Analysis Batch: 4468

Project/Site: PLU 28 BS 158H

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 4481

| | MB | MB | | | | | | |
|-----------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| | | | | | | | | |

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| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| o-Terphenyl | 116 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |

Lab Sample ID: LCS 880-4481/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid

Analysis Batch: 4468

Prep Type: Total/NA Prep Batch: 4481 LCS LCS Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 855.3 86 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 950.3 mg/Kg 95 70 - 130 C10-C28)

| Surrogate | %Recovery Qualifier | Limits |
|----------------|---------------------|----------|
| 1-Chlorooctane | 115 | 70 - 130 |
| o-Terphenyl | 113 | 70 - 130 |

LCS LCS

MB MB

Lab Sample ID: LCSD 880-4481/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 4468

Prep Type: Total/NA

Prep Batch: 4481

| _ | Sp | ke LCS | D LCSD | | | | %Rec. | | RPD |
|-----------------------------|-----|--------|---------------|-------|---|------|----------|-----|-------|
| Analyte | Ado | ed Res | ılt Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | | 00 838 | .4 | mg/Kg | _ | 84 | 70 - 130 | 2 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 10 | 00 934 | .8 | mg/Kg | | 93 | 70 - 130 | 2 | 20 |
| C10-C28) | | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery Q | ualifier | Limits |
|----------------|-------------|----------|----------|
| 1-Chlorooctane | 114 | | 70 - 130 |
| o-Terphenyl | 113 | | 70 - 130 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4413/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 4487

Prep Type: Soluble

Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride 5.00 <5.00 U mg/Kg 06/23/21 01:43

QC Sample Results

 Client: WSP USA Inc.
 Job ID: 890-842-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4413/2-A

Matrix: Solid

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analysis Batch: 4487

| | | Spike | LCS | LCS | | | | %Rec. | |
|----------|--|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | | 250 | 232.2 | | mg/Kg | | 93 | 90 - 110 | |

Lab Sample ID: LCSD 880-4413/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 4487

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 232.4 | | mg/Kg | | 93 | 90 - 110 | 0 | 20 |

QC Association Summary

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

GC VOA

Prep Batch: 4418

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-842-1 | SS01 | Total/NA | Solid | 5035 | |
| 890-842-2 | SS02 | Total/NA | Solid | 5035 | |
| 890-842-3 | SS03 | Total/NA | Solid | 5035 | |
| 890-842-4 | SS04 | Total/NA | Solid | 5035 | |
| 890-842-5 | SS05 | Total/NA | Solid | 5035 | |
| MB 880-4418/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-4418/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-4418/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 4445

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-842-1 | SS01 | Total/NA | Solid | 8021B | 4418 |
| 890-842-2 | SS02 | Total/NA | Solid | 8021B | 4418 |
| 890-842-3 | SS03 | Total/NA | Solid | 8021B | 4418 |
| 890-842-4 | SS04 | Total/NA | Solid | 8021B | 4418 |
| 890-842-5 | SS05 | Total/NA | Solid | 8021B | 4418 |
| MB 880-4418/5-A | Method Blank | Total/NA | Solid | 8021B | 4418 |
| LCS 880-4418/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 4418 |
| LCSD 880-4418/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4418 |

GC Semi VOA

Analysis Batch: 4468

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-842-1 | SS01 | Total/NA | Solid | 8015B NM | 4481 |
| 890-842-2 | SS02 | Total/NA | Solid | 8015B NM | 4481 |
| 890-842-3 | SS03 | Total/NA | Solid | 8015B NM | 4481 |
| 890-842-4 | SS04 | Total/NA | Solid | 8015B NM | 4481 |
| 890-842-5 | SS05 | Total/NA | Solid | 8015B NM | 4481 |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015B NM | 4481 |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 4481 |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 4481 |

Prep Batch: 4481

| _ • | | | | | |
|-------------------|------------------------|-----------|--------|-------------|------------|
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 890-842-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| 890-842-2 | SS02 | Total/NA | Solid | 8015NM Prep | |
| 890-842-3 | SS03 | Total/NA | Solid | 8015NM Prep | |
| 890-842-4 | SS04 | Total/NA | Solid | 8015NM Prep | |
| 890-842-5 | SS05 | Total/NA | Solid | 8015NM Prep | |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

HPLC/IC

Leach Batch: 4413

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-842-1 | SS01 | Soluble | Solid | DI Leach | |
| 890-842-2 | SS02 | Soluble | Solid | DI Leach | |
| 890-842-3 | SS03 | Soluble | Solid | DI Leach | |
| 890-842-4 | SS04 | Soluble | Solid | DI Leach | |

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-842-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

HPLC/IC (Continued)

Leach Batch: 4413 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-842-5 | SS05 | Soluble | Solid | DI Leach | |
| MB 880-4413/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4413/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4413/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Analysis Batch: 4487

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-842-1 | SS01 | Soluble | Solid | 300.0 | 4413 |
| 890-842-2 | SS02 | Soluble | Solid | 300.0 | 4413 |
| 890-842-3 | SS03 | Soluble | Solid | 300.0 | 4413 |
| 890-842-4 | SS04 | Soluble | Solid | 300.0 | 4413 |
| 890-842-5 | SS05 | Soluble | Solid | 300.0 | 4413 |
| MB 880-4413/1-A | Method Blank | Soluble | Solid | 300.0 | 4413 |
| LCS 880-4413/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4413 |
| LCSD 880-4413/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4413 |

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Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-842-1 SDG: TE012920134

Lab Sample ID: 890-842-1

Matrix: Solid

Matrix: Solid

Client Sample ID: SS01

Date Collected: 06/18/21 09:40 Date Received: 06/21/21 08:48

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 19:12 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 20:43 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 4487 | 06/23/21 03:50 | CH | XEN MID |

Client Sample ID: SS02 Lab Sample ID: 890-842-2

Date Collected: 06/18/21 09:42

Date Received: 06/21/21 08:48

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 19:33 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 21:04 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 4487 | 06/23/21 08:31 | CH | XEN MID |

Lab Sample ID: 890-842-3 **Client Sample ID: SS03**

Date Collected: 06/18/21 09:44 Date Received: 06/21/21 08:48

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 19:53 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 21:25 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 4487 | 06/23/21 03:56 | CH | XEN MID |

Lab Sample ID: 890-842-4 **Client Sample ID: SS04**

Date Collected: 06/18/21 09:45 Date Received: 06/21/21 08:48

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 20:14 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 22:07 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 4487 | 06/23/21 04:01 | CH | XEN MID |

Eurofins Xenco, Carlsbad

Matrix: Solid

Matrix: Solid

Lab Chronicle

 Client: WSP USA Inc.
 Job ID: 890-842-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Client Sample ID: SS05 Lab Sample ID: 890-842-5

Date Collected: 06/18/21 09:47

Date Received: 06/21/21 08:48

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4418 | 06/22/21 13:12 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4445 | 06/22/21 20:34 | MR | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 22:28 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4413 | 06/21/21 12:22 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 4487 | 06/23/21 04:06 | СН | XEN MID |

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-842-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority Texas | | rogram | Identification Number | Expiration Date 06-30-21 | |
|---|-------------|----------------------------------|---|-----------------------------|--|
| | | ELAP | T104704400-20-21 | | |
| The following analytes the agency does not of | | ut the laboratory is not certifi | ed by the governing authority. This list ma | y include analytes for whic | |
| Analysis Method | Prep Method | Matrix | Analyte | | |
| | | | | | |
| 8015B NM | 8015NM Prep | Solid | Total TPH | | |

Method Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-842-1

| SDG: TE012920134 | |
|------------------|--|
| | |

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| 8015NM Prep | Microextraction | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-842-1

SDG: TE012920134

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | De |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-842-1 | SS01 | Solid | 06/18/21 09:40 | 06/21/21 08:48 | - (|
| 890-842-2 | SS02 | Solid | 06/18/21 09:42 | 06/21/21 08:48 | - 0. |
| 890-842-3 | SS03 | Solid | 06/18/21 09:44 | 06/21/21 08:48 | - 0.5 |
| 890-842-4 | SS04 | Solid | 06/18/21 09:45 | 06/21/21 08:48 | - 0.5 |
| 890-842-5 | SS05 | Solid | 06/18/21 09:47 | 06/21/21 08:48 | - 0.5 |

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-842-1 SDG Number: TE012920134

List Source: Eurofins Xenco, Carlsbad

Login Number: 842 List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-842-1 SDG Number: TE012920134

List Source: Eurofins Xenco, Midland

List Creation: 06/22/21 11:59 AM

List Number: 2 Creator: Copeland, Tatiana

Login Number: 842

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

Released to Imaging: 9/17/2021 10:40:07 AM

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-840-1

Laboratory Sample Delivery Group: TE012920134

Client Project/Site: PLU 28 BS 158H

Revision: 1

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MRAMER

Authorized for release by: 6/25/2021 9:28:12 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 9/17/2021 10:40:07 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Laboratory Job ID: 890-840-1

SDG: TE012920134

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-840-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Surrogate recovery exceeds control limits, high biased. S1+ Indicates the analyte was analyzed for but not detected. U

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

| Abbreviation | These commonly | used abbreviations may | or may not be | present in this report. |
|--------------|----------------|------------------------|---------------|-------------------------|
| | | | | |

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid **CFU** Colony Forming Unit **CNF** Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER**

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RI Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-840-1

SDG: TE012920134

Job ID: 890-840-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-840-1

Receipt

The samples were received on 6/21/2021 8:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH01 (890-840-1), PH02 (890-840-2) and PH03 (890-840-3).

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): PH01 (890-840-1), PH02 (890-840-2) and PH03 (890-840-3).

login number 890-840

Sample #1 COC- PH01 6-18-2021 10:38 depth 1

Container #1- ph01 6-18-2021 10:38 depth 1 concludes they are the same sample

Sample #2 COC- PH02 6-18-2021 10:39 depth 2

Container #2-PH01A 6-18-2021 10:39 depth 2 concludes they are the same sample

Sample #3 COC-PH03 6-18-2021 10:47 depth 4

Container #3-PH01B 6-18-2021 10:47 depth 4 concludes they are the same sample

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH01 (890-840-1), PH02 (890-840-2) and PH03 (890-840-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

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

Eurofins Xenco, Carlsbad 6/25/2021 (Rev. 1)

Job ID: 890-840-1 SDG: TE012920134

Project/Site: PLU 28 BS 158H **Client Sample ID: PH01**

Date Collected: 06/18/21 10:38 Date Received: 06/21/21 08:49

Sample Depth: - 1'

Client: WSP USA Inc.

Lab Sample ID: 890-840-1

Matrix: Solid

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 134 | S1+ | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:04 | 1 |

| Method: 8015B NM - Diesel R | ange Organ | ics (DRO) | (GC) | | | | | |
|---|------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | mg/Kg | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |
| Diesel Range Organics (Over C10-C28) | 115 | | 49.7 | mg/Kg | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |
| Oll Range Organics (Over C28-C36) | <49.7 | U | 49.7 | mg/Kg | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |
| Total TPH | 115 | | 49.7 | mg/Kg | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 129 | | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |
| o-Terphenyl | 140 | S1+ | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 16:28 | 1 |

| Method: 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|----------|----------|-----------|------|-------|---|----------|----------------|---------|
| | Analyte | Result C | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Chloride | 3050 | | 25.3 | mg/Kg | | | 06/23/21 00:59 | 5 |

Lab Sample ID: 890-840-2 **Client Sample ID: PH01A** Date Collected: 06/18/21 10:39 Matrix: Solid

Date Received: 06/21/21 08:49 Sample Depth: - 2'

Released to Imaging: 9/17/2021 10:40:07 AM

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| Toluene | < 0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| Ethylbenzene | < 0.00199 | U | 0.00199 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| o-Xylene | 0.00201 | | 0.00199 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127 | | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:24 | 1 |

Job ID: 890-840-1

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: PH01A Lab Sample ID: 890-840-2 Date Collected: 06/18/21 10:39

Date Received: 06/21/21 08:49

Matrix: Solid

Sample Depth: - 2'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------|------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 133 | S1+ | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| o-Terphenyl | 139 | S1+ | 70 - 130 | | | 06/22/21 14:14 | 06/22/21 18:37 | 1 |
| Method: 300.0 - Anions, Ion C | hromatogra | phy - Solι | ıble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | | |

Client Sample ID: PH01B Lab Sample ID: 890-840-3

Date Collected: 06/18/21 10:47 **Matrix: Solid**

Date Received: 06/21/21 08:49

Sample Depth: - 4'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--|---------------------------|--|-------------------------|------------|---|--|---------------------------------------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| o-Xylene | 0.00659 | | 0.00202 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Xylenes, Total | 0.00659 | | 0.00404 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Total BTEX | 0.00659 | | 0.00404 | mg/Kg | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 | | | 06/22/21 08:33 | 06/22/21 19:45 | 1 |
| Analyte | Result | Qualifier | RL | Unit | <u>D</u> | Prepared | Analyzed | |
| Mathad: 8015R NM - Diasal R | ango Organ | ice (DRO) | (GC) | | | | | |
| Analyte Gasoline Range Organics | | Qualifier | • | Unit mg/Kg | <u>D</u> | Prepared 06/22/21 14:14 | Analyzed 06/22/21 18:58 | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result | Qualifier U | RL | | <u>D</u> | 06/22/21 14:14 | | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 <50.0 | Qualifier U | RL 50.0 | mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <50.0 <50.0 <50.0 | Qualifier U U U | RL 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) | Result <50.0 <50.0 | Qualifier U U U | RL 50.0 | mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH | Result <50.0 <50.0 <50.0 | Qualifier U U U U | RL 50.0 50.0 | mg/Kg mg/Kg mg/Kg | _ <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 | 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate | Result <50.0 <50.0 <50.0 <50.0 <50.0 | Qualifier U U U U | FL 50.0 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 | 1 1 1 |
| Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result <50.0 <50.0 <50.0 <50.0 <50.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60 | Qualifier U U U U | \$50.0 50.0 50.0 50.0 \$50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result <50.0 <50.0 <50.0 <50.0 <50.0 | Qualifier U U U Qualifier | 8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 Analyzed 06/22/21 18:58 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result <50.0 <50.0 <50.0 <50.0 <50.0 | Qualifier U U U Qualifier | 8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 06/22/21 14:14 Prepared 06/22/21 14:14 | 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 06/22/21 18:58 Analyzed 06/22/21 18:58 | Dil Fac 1 1 1 Dil Fac 1 Dil Fac |

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-840-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| - | | | Perce | ent Surrogate Red |
|--------------------------|------------------------|----------|----------|-------------------|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-840-1 | PH01 | 134 S1+ | 90 | |
| 890-840-2 | PH01A | 127 | 105 | |
| 890-840-3 | PH01B | 121 | 106 | |
| LCS 880-4446/1-A | Lab Control Sample | 108 | 101 | |
| LCSD 880-4446/2-A | Lab Control Sample Dup | 113 | 104 | |
| MB 880-4446/5-A | Method Blank | 92 | 94 | |
| Surrogate Legend | | | | |
| BFB = 4-Bromofluorobenz | zene (Surr) | | | |
| DFBZ = 1,4-Difluorobenze | ene (Surr) | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | Percent Surrogate Recover | ry (Acceptance Limits) |
|-------------------|------------------------|----------|---------------------------|------------------------|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | 70-130) | |
| 890-840-1 | PH01 | 129 | 40 S1+ | |
| 890-840-1 MS | PH01 | 118 | 114 | |
| 890-840-1 MSD | PH01 | 113 | 108 | |
| 890-840-2 | PH01A | 133 S1+ | 39 S1+ | |
| 890-840-3 | PH01B | 120 | 129 | |
| LCS 880-4481/2-A | Lab Control Sample | 115 | 113 | |
| LCSD 880-4481/3-A | Lab Control Sample Dup | 114 | 113 | |
| MB 880-4481/1-A | Method Blank | 106 | 116 | |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-840-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4446/5-A

Matrix: Solid

Analysis Batch: 4447

| Client | Sample | ID: | Meth | od | В | lar | ١k | |
|--------|--------|-----|------|----|---|-----|----|--|
| | _ | _ | _ | _ | | | | |

Prep Type: Total/NA

Prep Batch: 4446

| | MB | INIR | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | 06/22/21 08:33 | 06/22/21 11:55 | 1 |
| | | | | | | | | |

MB MB

MD MD

| Surrogate | %Recovery | Qualifier | Limits | Prepared Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------------------------------|---------|
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 | 06/22/21 08:33 06/22/21 11:55 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | 06/22/21 08:33 06/22/21 11:55 | 1 |

Lab Sample ID: LCS 880-4446/1-A

Matrix: Solid

Analysis Batch: 4447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4446

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1065 mg/Kg 106 70 - 130 Toluene 0.100 0.09853 mg/Kg 99 70 - 130 Ethylbenzene 100 0.100 0.09988 mg/Kg 70 - 130m-Xylene & p-Xylene 0.200 0.2170 mg/Kg 108 70 - 130 70 - 130 0.100 0.1077 108 o-Xylene mg/Kg

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 108 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 101 | 70 - 130 |

Lab Sample ID: LCSD 880-4446/2-A

Matrix: Solid

Analysis Batch: 4447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4446

Spike LCSD LCSD %Rec. **RPD** D %Rec Analyte Added Result Qualifier Unit Limits RPD Limit Benzene 0.100 0.1140 mg/Kg 114 70 - 130 35 Toluene 0.100 0.1052 mg/Kg 105 70 - 130 35 Ethylbenzene 0.100 0.1067 mg/Kg 107 70 - 130 35 m-Xylene & p-Xylene 0.200 0.2318 116 70 - 130 35 mg/Kg 0.100 35 o-Xylene 0.1154 mg/Kg 115 70 - 130

LCSD LCSD

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | 70 - 130 |

Client: WSP USA Inc. Job ID: 890-840-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

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

Lab Sample ID: MB 880-4481/1-A

Matrix: Solid

Analysis Batch: 4468

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4481

| ı | | MB | MB | | | | | | |
|---|-----------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| | (GRO)-C6-C10 | | | | | | | | |
| | Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| | C10-C28) | | | | | | | | |
| | OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| I | Total TPH | <50.0 | U | 50.0 | mg/Kg | | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| ı | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |
| o-Terphenyl | 116 | | 70 - 130 | 06/22/21 14:14 | 06/22/21 15:25 | 1 |

100 100

Lab Sample ID: LCS 880-4481/2-A

Matrix: Solid

Analysis Batch: 4468

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 4481 % Doc

| | Spii | te LC3 | LUS | | | | ™Rec. | |
|-----------------------------|------|----------|-----------|-------|---|------|----------|--|
| Analyte | Adde | d Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 100 | 00 855.3 | | mg/Kg | | 86 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 100 | 0 950.3 | | mg/Kg | | 95 | 70 - 130 | |
| C10-C28) | | | | | | | | |

Snika

LCS LCS

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 115 | | 70 - 130 |
| o-Terphenyl | 113 | | 70 - 130 |

Lab Sample ID: LCSD 880-4481/3-A

Matrix: Solid

Analysis Batch: 4468

| 011 10 1 | | | | |
|----------------------|---------|---------|--------|-----|
| Client Sample | ID: Lab | Control | Sample | Dup |

Prep Type: Total/NA

Prep Batch: 4481

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
|-----------------------------|----------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 838.4 | | mg/Kg | | 84 | 70 - 130 | 2 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 934.8 | | mg/Kg | | 93 | 70 - 130 | 2 | 20 |
| C10-C28) | | | | | | | | | |

| Surrogate | %Recovery Quali | ifier Limits |
|----------------|-----------------|--------------|
| 1-Chlorooctane | 114 | 70 - 130 |
| o-Terphenyl | 113 | 70 - 130 |

Lab Sample ID: 890-840-1 MS

Matrix: Solid

Analysis Batch: 4468

Client Sample ID: PH01 Prep Type: Total/NA

Prep Batch: 4481

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 999 | 908.9 | | mg/Kg | | 91 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 115 | | 999 | 894.8 | | mg/Kg | | 78 | 70 - 130 | |

Job ID: 890-840-1 SDG: TE012920134

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

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

Lab Sample ID: 890-840-1 MS **Client Sample ID: PH01 Matrix: Solid**

Prep Type: Total/NA Analysis Batch: 4468 Prep Batch: 4481

| | IVIS | MS | | | | | |
|----------------|-----------|-----------|----------|--|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | | | |
| 1-Chlorooctane | | | 70 - 130 | | | | |
| o-Terphenyl | 114 | | 70 - 130 | | | | |

Lab Sample ID: 890-840-1 MSD **Client Sample ID: PH01** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 4468 Prep Batch: 4481 RPD MSD MSD Sample Sample Spike %Rec.

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <49.7 U 997 882.5 mg/Kg 89 70 - 130 3 20 (GRO)-C6-C10 Diesel Range Organics (Over 115 997 861.0 mg/Kg 75 70 - 130 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 113 70 - 130 108 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4412/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 4486

MB MB Analyte RL Unit Result Qualifier Prepared Analyzed Dil Fac Chloride 5.00 06/22/21 22:52 <5.00 U mg/Kg

Lab Sample ID: LCS 880-4412/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4486

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 236.6 250 95 Chloride mg/Kg 90 - 110

Lab Sample ID: LCSD 880-4412/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4486

Released to Imaging: 9/17/2021 10:40:07 AM

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits RPD Limit Analyte Unit %Rec Chloride 250 237.1 mg/Kg 95 90 - 110 0 20

Eurofins Xenco, Carlsbad

Prep Type: Soluble

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-840-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

GC VOA

Prep Batch: 4446

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-840-1 | PH01 | Total/NA | Solid | 5035 | |
| 890-840-2 | PH01A | Total/NA | Solid | 5035 | |
| 890-840-3 | PH01B | Total/NA | Solid | 5035 | |
| MB 880-4446/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-4446/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-4446/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 4447

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-840-1 | PH01 | Total/NA | Solid | 8021B | 4446 |
| 890-840-2 | PH01A | Total/NA | Solid | 8021B | 4446 |
| 890-840-3 | PH01B | Total/NA | Solid | 8021B | 4446 |
| MB 880-4446/5-A | Method Blank | Total/NA | Solid | 8021B | 4446 |
| LCS 880-4446/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 4446 |
| LCSD 880-4446/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4446 |

GC Semi VOA

Analysis Batch: 4468

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-840-1 | PH01 | Total/NA | Solid | 8015B NM | 4481 |
| 890-840-2 | PH01A | Total/NA | Solid | 8015B NM | 4481 |
| 890-840-3 | PH01B | Total/NA | Solid | 8015B NM | 4481 |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015B NM | 4481 |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 4481 |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 4481 |
| 890-840-1 MS | PH01 | Total/NA | Solid | 8015B NM | 4481 |
| 890-840-1 MSD | PH01 | Total/NA | Solid | 8015B NM | 4481 |

Prep Batch: 4481

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 890-840-1 | PH01 | Total/NA | Solid | 8015NM Prep | |
| 890-840-2 | PH01A | Total/NA | Solid | 8015NM Prep | |
| 890-840-3 | PH01B | Total/NA | Solid | 8015NM Prep | |
| MB 880-4481/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-4481/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-4481/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-840-1 MS | PH01 | Total/NA | Solid | 8015NM Prep | |
| 890-840-1 MSD | PH01 | Total/NA | Solid | 8015NM Prep | |

HPLC/IC

Leach Batch: 4412

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-840-1 | PH01 | Soluble | Solid | DI Leach | |
| 890-840-2 | PH01A | Soluble | Solid | DI Leach | |
| 890-840-3 | PH01B | Soluble | Solid | DI Leach | |
| MB 880-4412/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4412/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4412/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Xenco, Carlsbad

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QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-840-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

HPLC/IC

Analysis Batch: 4486

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-840-1 | PH01 | Soluble | Solid | 300.0 | 4412 |
| 890-840-2 | PH01A | Soluble | Solid | 300.0 | 4412 |
| 890-840-3 | PH01B | Soluble | Solid | 300.0 | 4412 |
| MB 880-4412/1-A | Method Blank | Soluble | Solid | 300.0 | 4412 |
| LCS 880-4412/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4412 |
| LCSD 880-4412/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4412 |

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SDG: TE012920134

Project/Site: PLU 28 BS 158H **Client Sample ID: PH01**

Client: WSP USA Inc.

Lab Sample ID: 890-840-1

Matrix: Solid

Date Collected: 06/18/21 10:38 Date Received: 06/21/21 08:49

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4446 | 06/22/21 08:33 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4447 | 06/22/21 19:04 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 16:28 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4412 | 06/21/21 12:20 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4486 | 06/23/21 00:59 | CH | XEN MID |

Lab Sample ID: 890-840-2

Matrix: Solid

Date Collected: 06/18/21 10:39 Date Received: 06/21/21 08:49

Client Sample ID: PH01A

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4446 | 06/22/21 08:33 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4447 | 06/22/21 19:24 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4481 | 06/22/21 14:14 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4468 | 06/22/21 18:37 | AM | XEN MID |
| Soluble | Leach | DI Leach | | | 4412 | 06/21/21 12:20 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 4486 | 06/23/21 01:04 | CH | XEN MID |

Client Sample ID: PH01B Lab Sample ID: 890-840-3 Date Collected: 06/18/21 10:47

Matrix: Solid

Date Received: 06/21/21 08:49

Batch Batch Dilution Batch **Prepared** Method **Prep Type** Type Number or Analyzed Analyst Run Factor Lab Total/NA 5035 4446 06/22/21 08:33 KL XEN MID Prep Total/NA 8021B 4447 06/22/21 19:45 KL Analysis **XEN MID** 1 Total/NA Prep 8015NM Prep 4481 06/22/21 14:14 DM **XEN MID** 4468 06/22/21 18:58 AM Total/NA 8015B NM XEN MID Analysis 1 Soluble DI Leach 4412 06/21/21 12:20 CH XEN MID Leach XEN MID Soluble Analysis 300.0 4486 06/23/21 01:09 CH 1

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-840-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Pro | ogram | Identification Number | Expiration Date |
|-----------------------|-----------------------------|-----------------------------|---|--------------------------------------|
| Texas | NE | LAP | T104704400-20-21 | 06-30-21 |
| The following analyte | a ara inaludad in thia rana | rt but the laboratory is r | ant nortified by the any croine outbarity | This list in all |
| the agency does not | | it, but the laboratory is i | not certified by the governing authority. | This list may include analytes for w |
| , | | Matrix | Analyte | This list may include analytes for w |
| the agency does not o | offer certification. | • | , , , | This list may include analytes for w |

Method Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-840-1

SDG: TE012920134

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| 8015NM Prep | Microextraction | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-840-1

SDG: TE012920134

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Dept |
|---------------|------------------|--------|----------------|----------------|------|
| 890-840-1 | PH01 | Solid | 06/18/21 10:38 | 06/21/21 08:49 | - 1' |
| 890-840-2 | PH01A | Solid | 06/18/21 10:39 | 06/21/21 08:49 | - 2' |
| 890-840-3 | PH01B | Solid | 06/18/21 10:47 | 06/21/21 08:49 | - 4' |

| 2018 | | 0 4 7 | 0.4.24.004.7 | | 4 | | 3 11/18/ |
|--|---|---|---|---|------------------------------|--|--|
| Date/ In 10 | re) Received by: (Signature) | Relinquished by: (Signature) | | | _ l ö | \ \ \ \ \ \ \ | Relinquished by: (Signature |
| | be enforced unless previously negotiated. | 10-6 | bmitted to Xenco, but not an | 5 for each sample su | h project and a charge of \$ | of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will | of Xenco. A minimum charge |
| | ns standard terms and conditions | Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service and subcontractors and shall not sessing any responsibility for any losses or avenues incurred by the client if such losses are due to circumstances havend the contra | lient company to Xenco, its | urchase order from c | nples constitutes a valid p | ment and relinquishment of sa | Notice: Signature of this doc |
| Na Sr Ti Sn U V Zn 1631/245.1/7470 /7471 : H0 | Mn Mo Ni K Se Ag SiO2 Ag TI U | B Cd Ca Cr Co Cu Fe Pb Mg Cd Cr Co Cu Ph Mn Mn Ni Se | (as 11 Al Sb As Ba Be B 8RCRA Sb As Ba Be Cd | 13PPM Texas 11 SPLP 6010 : 8RCR | 8RCRA TCLP/ | otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed | Total 200.7 / 6010 Circle Method(s) a |
| | | | | | | | |
| | | | 9 | | | | |
| | | | | 7 | | | |
| | | | | 7 | 3 | | |
| | | | | | | | |
| | | | | | | | |
| Discrete | | | × × | 4 | 6/18/2021 10:47 | s 6/ | PH03 |
| Discrete | | | - × × | 2' | 6/18/2021 10:39 | s 6/ | PH02 |
| Discrete | | | × × | 1. | 6/18/2021 10:38 | s 6/ | PH01 |
| Sample Comments | | | TPH (E BTEX (| Depth | Date Time Sampled Sampled | Matrix | Sample Identification |
| lab, if received by 4:30pm | - - - | | PA 8 | | Total Containers: | Yes Ned N/A | Sample Custody Seals: |
| TAT starts the day recevied by the | | 890-840 Chain of Custody | 015) 0=80 | 7.0- | Correction Factor: | Yes Mo N/A | Cooler Custody Seals: |
| | | | 21) | | FOOTHINI | √rejs No | Received Intact: |
| | | | | (| Ther | | Temperature (°C): |
| | | | | (Yes) No | (es) No Wet Ice: | Temp Blank: | SAMPLE RECEIPT |
| | | | | Date: | er Due Date | William Mather | Sampler's Name: |
| Incident ID: NRM2025263987 | Incide | | | | Rush: | Eddy | P.O. Number: |
| AFE: DD.2017.01918.CAP.CMP.01 | AFE: [| | | ine | 4 Routine | TE012920134 | Project Number: |
| Work Order Notes | EST | ANALYSIS REQUEST | | Turn Around | | PLÙ 28 BS 158H | Project Name: |
| Other: | Deliverables: EDD ADaPT | | Email: will.mather@wsp.com, dan.moir@wsp.com | will.mather@wsp.c | Email: | (432) 236-3849 | Phone: (4 |
| □RP Upvel IV | Reporting:Level II | | | City, State ZIP: | | Midland, Tx 79705 | City, State ZIP: M |
|] | | | | Address: | | 3300 North A Street | Address: 33 |
| □RC Derfund □ | Program: UST/PST RP prownfields | | XTO Energy, Inc. | Company Name: | ffice | WSP USA Inc., Permian office | Company Name: W |
| ents | Work Order Comments | | Kyle Littrell | Bill to: (if different) | | Dan Moir | Project Manager: D |
| Page of | www.xenco.com | Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) | 0) EL Paso,TX (915)585-3 (480-355-0900) Atlanta,C | nd,TX (432-704-544 2-7550) Phoenix,AZ | Midlar Hobbs,NM (575-39) | DRATORIES | LAB |
| | ; ; ; | 0 San Antonio,TX (210) 509-3334 | Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (21 | n.TX (281) 240-420(| Housto | 7 | 3 |
| \ | Work Order No: | ustodv | Chain of Custody | | | | |

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-840-1
SDG Number: TE012920134

List Source: Eurofins Xenco, Carlsbad

Login Number: 840 List Number: 1 Creator: Clifton, Cloe

<6mm (1/4").

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-840-1 SDG Number: TE012920134

Login Number: 840 List Source: Eurofins Xenco, Midland List Creation: 06/22/21 12:00 PM List Number: 2

Creator: Copeland, Tatiana

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



ANALYTICAL REPORT

Job Number: 890-846-1

SDG Number: TE012920134

Job Description: PLU 28 BS 158H

For:

WSP USA Inc.

2777 N. Stemmons Freeway

Suite 1600

Dallas, TX 75207

Attention: Dan Moir

Approved for release Jessica Kramer Project Manager 6/28/2021 10:45 AM

Jessica Kramer, Project Manager 1211 W. Florida Ave, Midland, TX, 79701 jessica.kramer@eurofinset.com 06/28/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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

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Client Sample Result Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-846-1 SDG: TE012920134

890-846-2 890-846-3 890-846-4 890-846-5 Lab Sample ID: 890-846-1 FS06 FS07 FS08 FS09 Client Sample ID: FS05 1.5 1.5 1 **Depth:** 1.5 1 Solid Matrix: Solid Solid Solid Solid

Date Collected: 06/21/2021 10:07 06/21/2021 10:12 06/21/2021 10:18 06/21/2021 10:24 06/21/2021 15:39

Method: 8021B - Volatile Organic Compounds (GC)

| | Prepared: | 06/23/2021 08 | 3:30 | 06/23/2021 08:30 | | 06/23/2021 08:30 | | 06/23/2021 08:30 | | 06/23/2021 08:30 | | |
|---------------------|-----------|---------------|---------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| | Analyzed: | 06/23/2021 16 | 3:31 | 06/23/2021 16 | 06/23/2021 16:52 0 | | 06/23/2021 17:12 | | 06/23/2021 17:33 | | 06/23/2021 17:53 | |
| Analyte | Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | |
| Benzene | | <0.00201 U | 0.00201 | <0.00198 U | 0.00198 | <0.00200 U | 0.00200 | <0.00201 U | 0.00201 | <0.00199 U | 0.00199 | |
| Toluene | | <0.00201 U | 0.00201 | <0.00198 U | 0.00198 | <0.00200 U | 0.00200 | <0.00201 U | 0.00201 | <0.00199 U | 0.00199 | |
| Ethylbenzene | | <0.00201 U | 0.00201 | <0.00198 U | 0.00198 | <0.00200 U | 0.00200 | <0.00201 U | 0.00201 | <0.00199 U | 0.00199 | |
| m-Xylene & p-Xylene | | <0.00402 U | 0.00402 | <0.00396 U | 0.00396 | <0.00400 U | 0.00400 | <0.00402 U | 0.00402 | <0.00398 U | 0.00398 | |
| o-Xylene | | <0.00201 U | 0.00201 | <0.00198 U | 0.00198 | <0.00200 U | 0.00200 | <0.00201 U | 0.00201 | <0.00199 U | 0.00199 | |
| Xylenes, Total | | <0.00402 U | 0.00402 | <0.00396 U | 0.00396 | <0.00400 U | 0.00400 | <0.00402 U | 0.00402 | <0.00398 U | 0.00398 | |
| Total BTEX | | <0.00402 U | 0.00402 | <0.00396 U | 0.00396 | <0.00400 U | 0.00400 | <0.00402 U | 0.00402 | <0.00398 U | 0.00398 | |

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

| Prepared: | 06/23/2021 0 | 9:28 | 06/23/2021 09 | 9:28 | 06/23/2021 09 | 9:28 | 06/23/2021 09 | 9:28 | 06/23/2021 09 | 9:28 |
|---|--|------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------|
| Analyzed: | Analyzed: 06/23/2021 17:26 06/23/2021 17:47 | | 7:47 | 06/23/2021 18:08 | | 06/23/2021 18:29 | | 06/23/2021 18:50 | | |
| Analyte Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 U | 49.9 | <49.9 U | 49.9 | <49.8 U | 49.8 | <49.9 U | 49.9 | <50.0 U | 50.0 |
| Diesel Range Organics (Over C10-C28) | <49.9 U | 49.9 | <49.9 U | 49.9 | 70.9 | 49.8 | 85.9 | 49.9 | <50.0 U | 50.0 |
| Oll Range Organics (Over C28-C36) | <49.9 U | 49.9 | <49.9 U | 49.9 | <49.8 U | 49.8 | <49.9 U | 49.9 | <50.0 U | 50.0 |
| Total TPH | <49.9 U | 49.9 | <49.9 U | 49.9 | 70.9 | 49.8 | 85.9 | 49.9 | <50.0 U | 50.0 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:

| | Analyzed: | Analyzed: 06/24/2021 20:42 | | 06/24/2021 | 06/24/2021 20:47 | | 06/24/2021 21:15 | | 06/24/2021 21:32 | | 06/24/2021 21:37 | |
|----------|-----------|----------------------------|------|------------|------------------|-------|------------------|-------|------------------|-------|------------------|--|
| Analyte | Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | |
| Chloride | | 1520 | 25.0 | 3050 | 25.1 | 4300 | 25.2 | 5310 | 49.9 | 3910 | 24.8 | |

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Job ID: 890-846-1

SDG: TE012920134

Client Sample Result Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

 Lab Sample ID:
 890-846-6
 890-846-7
 890-846-8

 Client Sample ID:
 FS10
 FS11
 FS12

 Depth:
 1
 1.5
 1.5

 Matrix:
 Solid
 Solid
 Solid

 Date Collected:
 06/21/2021 16:03
 06/21/2021 15:11
 06/21/2021 15:08

Method: 8021B - Volatile Organic Compounds (GC)

| | Prepared: | 06/23/2021 08:30 | | 06/23/2021 08:30 | | 06/23/2021 08:30 | |
|---------------------|-----------|------------------|---------|------------------|---------|------------------|---------|
| | Analyzed: | 06/23/2021 18 | 3:13 | 06/23/2021 18 | 3:34 | 06/23/2021 18 | 3:54 |
| Analyte | Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL |
| Benzene | | <0.00202 U | 0.00202 | <0.00201 U | 0.00201 | <0.00202 U | 0.00202 |
| Toluene | | <0.00202 U | 0.00202 | <0.00201 U | 0.00201 | <0.00202 U | 0.00202 |
| Ethylbenzene | | <0.00202 U | 0.00202 | <0.00201 U | 0.00201 | <0.00202 U | 0.00202 |
| m-Xylene & p-Xylene | | <0.00403 U | 0.00403 | <0.00402 U | 0.00402 | <0.00404 U | 0.00404 |
| o-Xylene | | <0.00202 U | 0.00202 | <0.00201 U | 0.00201 | <0.00202 U | 0.00202 |
| Xylenes, Total | | <0.00403 U | 0.00403 | <0.00402 U | 0.00402 | <0.00404 U | 0.00404 |
| Total BTEX | | <0.00403 U | 0.00403 | <0.00402 U | 0.00402 | <0.00404 U | 0.00404 |

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

| Prepared: | 06/23/2021 09 | 9:28 | 06/23/2021 09 | 9:28 | 06/23/2021 09 | :28 | |
|---|------------------|------|---------------|------|------------------|------|--|
| Analyzed: | 06/23/2021 19:11 | | 06/23/2021 19 | 9:32 | 06/23/2021 19:53 | | |
| Analyte Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 U | 50.0 | <49.8 U | 49.8 | <50.0 U | 50.0 | |
| Diesel Range Organics (Over C10-C28) | <50.0 U | 50.0 | 121 | 49.8 | 68.1 | 50.0 | |
| Oll Range Organics (Over C28-C36) | <50.0 U | 50.0 | <49.8 U | 49.8 | <50.0 U | 50.0 | |
| Total TPH | <50.0 U | 50.0 | 121 | 49.8 | 68.1 | 50.0 | |

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:

| | Analyzed: 06/24/2021 21:42 | | | 06/24/2021 | 21:48 | 06/24/2021 22:04 | | |
|----------|----------------------------|-------|------|------------|-------|------------------|------|--|
| Analyte | Unit/RL: | mg/Kg | RL | mg/Kg | RL | mg/Kg | RL | |
| Chloride | | 1370 | 24.8 | 7920 | 49.9 | 4730 | 50.5 | |

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-846-1

Laboratory Sample Delivery Group: TE012920134

Client Project/Site: PLU 28 BS 158H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MAMER

Authorized for release by: 6/28/2021 10:44:48 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Ask
The
Expert

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 9/17/2021 10:40:07 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Laboratory Job ID: 890-846-1

SDG: TE012920134

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. ¤

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit PRES

Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Job ID: 890-846-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-846-1

Receipt

The samples were received on 6/22/2021 11:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS05 (890-846-1), FS06 (890-846-2), FS07 (890-846-3), FS08 (890-846-4), FS09 (890-846-5), FS10 (890-846-6), FS11 (890-846-7) and FS12 (890-846-8).

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client: WSP USA Inc. Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS05

Date Collected: 06/21/21 10:07 Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Lab | Samp | le ID: | 890-846-1 | |
|-----|------|--------|-----------|--|
|-----|------|--------|-----------|--|

06/23/21 17:26

06/23/21 17:26

06/23/21 17:26

Analyzed

06/23/21 17:26

Lab Sample ID: 890-846-2

Matrix: Solid

| | | 5 |
|------|---------|---|
| d | Dil Fac | |
| 3:31 | 1 | |
| 3:31 | 1 | |
| 3:31 | 1 | |
| 3:31 | 1 | |
| | | |

Dil Fac

Matrix: Solid

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-------------------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 16:31 | 1 |
| Method: 8015B NM - Diesel R | ange Organics (DI | RO) (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 17:26 | 1 |

| o-Terphenyl | | | | | | 06/23/21 09:28 | 06/23/21 17:26 | 1 |
|-----------------------------------|--------------|-----------|------|-------|---|----------------|----------------|---------|
| Method: 300.0 - Anions, Ion Chrom | natography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 1520 | · | 25.0 | ma/Ka | | | 06/24/21 20:42 | 5 |

Limits

49.9

49.9

49.9

mg/Kg

mg/Kg

mg/Kg

06/23/21 09:28

06/23/21 09:28

06/23/21 09:28

Prepared

06/23/21 09:28

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

Client Sample ID: FS06 Date Collected: 06/21/21 10:12 Date Received: 06/22/21 11:57

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

C10-C28)

Total TPH

Surrogate

1-Chlorooctane

Sample Depth: - 1.5

| _ Method: 8021B - Volatile Orga | nic Compounds | (GC) | | | | | | |
|------------------------------------|---------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | • | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| Xylenes, Total | < 0.00396 | U | 0.00396 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| Total BTEX | <0.00396 | U | 0.00396 | mg/Kg | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 16:52 | 1 |

Matrix: Solid

Lab Sample ID: 890-846-2

Client: WSP USA Inc. Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS06 Date Collected: 06/21/21 10:12

Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Method: 8015B NM - Diesel Rang | je Organics (D | RO) (GC) | | | | | | |
|---------------------------------------|----------------|-----------|--------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| C10-C28) | | | | | | | | |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | | | | | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| o-Terphenyl | | | | | | 06/23/21 09:28 | 06/23/21 17:47 | 1 |
| - Method: 300.0 - Anions, Ion Chro | omatography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3050 | | 25.1 | mg/Kg | | | 06/24/21 20:47 | 5 |

Client Sample ID: FS07 Lab Sample ID: 890-846-3 Matrix: Solid

Date Collected: 06/21/21 10:18 Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--|-------------------------|------------------------------|-------------------------|----------|--|--|---|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:12 | 1 |
| Method: 8015B NM - Diesel Rang Analyte | Result | Qualifier | RL | Unit | D | Prepared 00:00 | Analyzed | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <49.8 | Qualifier | 49.8 | mg/Kg | <u>D</u> | 06/23/21 09:28 | 06/23/21 18:08 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result | Qualifier | | | <u>D</u> | | | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.8 | Qualifier U | 49.8 | mg/Kg | <u> </u> | 06/23/21 09:28 | 06/23/21 18:08 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <49.8 70.9 | Qualifier U | 49.8 | mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 | 06/23/21 18:08 06/23/21 18:08 | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH | Result <49.8 70.9 <49.8 | Qualifier U | 49.8 49.8 49.8 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 | 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate | Result <49.8 70.9 <49.8 70.9 | Qualifier U | 49.8 49.8 49.8 49.8 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 | 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 | 1 1 1 Dil Fac |
| • | Result <49.8 70.9 <49.8 70.9 | Qualifier U | 49.8 49.8 49.8 49.8 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared | 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result <49.8 70.9 <49.8 70.9 %Recovery | Qualifier U Qualifier | 49.8 49.8 49.8 49.8 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared 06/23/21 09:28 | 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 Analyzed 06/23/21 18:08 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result | Qualifier U Qualifier | 49.8 49.8 49.8 49.8 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared 06/23/21 09:28 | 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 06/23/21 18:08 Analyzed 06/23/21 18:08 | Dil Fac Dil Fac Dil Fac Dil Fac Dil Fac |

Lab Sample ID: 890-846-4

Client: WSP USA Inc. Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS08

Date Collected: 06/21/21 10:24 Date Received: 06/22/21 11:57

Sample Depth: - 1

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:33 | 1 |

| Method: 8015B NM - Diesel Rang | ge Organics (D | RO) (GC) | | | | | | |
|---|----------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |
| Diesel Range Organics (Over C10-C28) | 85.9 | | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |
| Total TPH | 85.9 | | 49.9 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 97 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |
| o-Terphenyl | 118 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 18:29 | 1 |

| Chloride | 5310 | 49.9 | mg/Kg | | | 06/24/21 21:32 | 10 |
|-----------------------------------|----------------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Method: 300.0 - Anions, Ion Chroi | matography - Soluble | | | | | | |
| o-rerprienyi | 110 | 70 - 130 | | | 06/23/21 09.26 | 00/23/21 10.29 | , |

Client Sample ID: FS09 Date Collected: 06/21/21 15:39

Date Received: 06/22/21 11:57

Sample Depth: - 1

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 17:53 | 1 |

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Lab Sample ID: 890-846-5

Matrix: Solid

Lab Sample ID: 890-846-5

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-846-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Client Sample ID: FS09

Date Collected: 06/21/21 15:39 Date Received: 06/22/21 11:57

Sample Depth: - 1

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 103 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| o-Terphenyl | 126 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 18:50 | 1 |
| Method: 300.0 - Anions, Ion Chro | matography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3910 | | 24.8 | mg/Kg | | | 06/24/21 21:37 | 5 |

Client Sample ID: FS10

Lab Sample ID: 890-846-6

Date Collected: 06/21/21 16:03

Matrix: Solid

Date Received: 06/22/21 11:57

Sample Depth: - 1

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|-------------------------------|---|-------------------------|----------|--|--|---|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Xylenes, Total | < 0.00403 | U | 0.00403 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Total BTEX | <0.00403 | U | 0.00403 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:13 | 1 |
| Method: 8015B NM - Diesel Rang | e Organics (טו | RO) (GC) | | | | | | |
| | - O | 201 (001 | | | | | | |
| Analyte | Result | Qualifier | RL 50.0 | Unit ma/Ka | <u>D</u> | Prepared 06/23/21 09:28 | Analyzed 06/23/21 19:11 | Dil Fac |
| Analyte Gasoline Range Organics | • | Qualifier | | Unit mg/Kg | <u>D</u> | Prepared 06/23/21 09:28 | Analyzed 06/23/21 19:11 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result | Qualifier U | | | <u>D</u> | | | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | Qualifier U | 50.0 | mg/Kg | <u>D</u> | 06/23/21 09:28 | 06/23/21 19:11 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <50.0 <50.0 | Qualifier U U | 50.0 | mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 | 06/23/21 19:11 06/23/21 19:11 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH | Result <50.0 <50.0 <50.0 | Qualifier U U U | 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 | 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 | 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH | Result <50.0 <50.0 <50.0 <50.0 | Qualifier U U U | 50.0 50.0 50.0 50.0 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 | 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 | 1 1 1 |
| Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 | Qualifier U U U | 50.0 50.0 50.0 50.0 <i>Limits</i> | mg/Kg mg/Kg mg/Kg | <u> </u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared | 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane | Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 97 115 | Qualifier U U U Qualifier | 50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared 06/23/21 09:28 | 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 Analyzed 06/23/21 19:11 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U U U Qualifier | 50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130 | mg/Kg mg/Kg mg/Kg | <u>D</u> | 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 06/23/21 09:28 Prepared 06/23/21 09:28 | 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 06/23/21 19:11 Analyzed 06/23/21 19:11 | Dil Fac Dil Fac Dil Fac Dil Fac Dil Fac |

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Lab Sample ID: 890-846-7

Client: WSP USA Inc.

Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Client Sample ID: FS11

Date Collected: 06/21/21 15:11 Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Method: 8021B - Volatile Orga | inic Compounds (| GC) | | | | | | |
|-----------------------------------|------------------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:34 | 1 |
| - Method: 8015B NM - Diesel Ra | ange Organics (D | RO) (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.8 | U | 49.8 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:32 | 1 |

| | , · · · · · · · · · · · · · · · · · | , (, | | | | | | |
|---|---|--|-------------------------|---|--|--|---|---|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:32 | |
| Diesel Range Organics (Over C10-C28) | 121 | | 49.8 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:32 | |
| OII Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:32 | |
| Total TPH | 121 | | 49.8 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:32 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| | Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH | Analyte Result Gasoline Range Organics <49.8 | Gasoline Range Organics | Analyte Result Qualifier RL Gasoline Range Organics <49.8 | Analyte Result Qualifier RL Unit Gasoline Range Organics <49.8 | Analyte Result Qualifier RL Unit D Gasoline Range Organics <49.8 | Analyte Result Gasoline Range Organics Qualifier RL Unit D Prepared Gasoline Range Organics <49.8 | Analyte Result Qualifier RL Unit D Prepared Analyzed Gasoline Range Organics (GRO)-C6-C10 49.8 ug/Kg 06/23/21 09:28 06/23/21 19:32 Diesel Range Organics (Over C28) 121 49.8 mg/Kg 06/23/21 09:28 06/23/21 19:32 C10-C28) OII Range Organics (Over C28-C36) <49.8 |

| 1-Chlorooctane | 102 | 70 - 130 | 06/23/21 09:28 | 06/23/21 19:32 | 1 |
|---------------------------------|----------------------|----------|----------------|----------------|---|
| o-Terphenyl | 123 | 70 - 130 | 06/23/21 09:28 | 06/23/21 19:32 | 1 |
| Method: 300 0 - Anions Ion Chro | matography - Soluble | | | | |

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 49.9 06/24/21 21:48 Chloride 7920 mg/Kg **Client Sample ID: FS12** Lab Sample ID: 890-846-8

Date Collected: 06/21/21 15:08 Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| Total BTEX | <0.00404 | U | 0.00404 | mg/Kg | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | 06/23/21 08:30 | 06/23/21 18:54 | 1 |

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Matrix: Solid

Lab Sample ID: 890-846-8

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-846-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Client Sample ID: FS12

Date Collected: 06/21/21 15:08 Date Received: 06/22/21 11:57

Sample Depth: - 1.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over C10-C28) | 68.1 | | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| Total TPH | 68.1 | | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 104 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| o-Terphenyl | 124 | | 70 - 130 | | | 06/23/21 09:28 | 06/23/21 19:53 | 1 |
| Method: 300.0 - Anions, Ion Chro | matography - | Soluble | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 4730 | | 50.5 | mg/Kg | | | 06/24/21 22:04 | 10 |

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Released to Imaging: 9/17/2021 10:40:07 AM

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Client: WSP USA Inc.

Job ID: 890-846-1 Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|------------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-846-1 | FS05 | 106 | 98 | |
| 890-846-2 | FS06 | 106 | 96 | |
| 890-846-3 | FS07 | 105 | 95 | |
| 890-846-4 | FS08 | 113 | 97 | |
| 890-846-5 | FS09 | 106 | 99 | |
| 890-846-6 | FS10 | 95 | 100 | |
| 890-846-7 | FS11 | 118 | 94 | |
| 890-846-8 | FS12 | 115 | 97 | |
| LCS 880-4490/1-A | Lab Control Sample | 113 | 108 | |
| LCSD 880-4490/2-A | Lab Control Sample Dup | 117 | 108 | |
| MB 880-4490/5-A | Method Blank | 94 | 89 | |
| Surrogate Legend | | | | |
| BFB = 4-Bromofluorobe | enzene (Surr) | | | |
| DFBZ = 1,4-Difluorober | nzene (Surr) | | | |

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

Matrix: Solid Prep Type: Total/NA

| - | | | | Percent Surrogate Recovery (Acceptance Limits) |
|----------------------|------------------|------|-------|--|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | | | |
| 890-846-1 | FS05 | | | |
| 890-846-2 | FS06 | | | |
| 890-846-3 | FS07 | | | |
| Surrogate Legend | | | | |
| 1CO = 1-Chlorooctane | | | | |
| OTPH = o-Terphenyl | | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|-------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-846-4 | FS08 | 97 | 118 | |
| 890-846-5 | FS09 | 103 | 126 | |
| 890-846-6 | FS10 | 97 | 115 | |
| 890-846-7 | FS11 | 102 | 123 | |
| 890-846-8 | FS12 | 104 | 124 | |
| LCS 880-4499/2-A | Lab Control Sample | 102 | 115 | |
| LCSD 880-4499/3-A | Lab Control Sample Dup | 104 | 120 | |
| MB 880-4499/1-A | Method Blank | 97 | 119 | |
| Surrogate Legend | | | | |

OTPH = o-Terphenyl

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H

Job ID: 890-846-1 SDG: TE012920134

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4490/5-A

Analysis Batch: 4491

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4490

| | MB | MB | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | • |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | • |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | • |
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | 06/23/21 08:30 | 06/23/21 11:45 | |
| | | | | | | | | |

MB MB

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | 70 - 130 | 06/23/21 08:30 | 06/23/21 11:45 | 1 |
| 1,4-Difluorobenzene (Surr) | 89 | 70 - 130 | 06/23/21 08:30 | 06/23/21 11:45 | 1 |

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 4491

Lab Sample ID: LCS 880-4490/1-A

Prep Type: Total/NA Prep Batch: 4490

| | Spike | LCS | LCS | | | | %Rec. | |
|---------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.1127 | | mg/Kg | | 113 | 70 - 130 | |
| Toluene | 0.100 | 0.1052 | | mg/Kg | | 105 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1068 | | mg/Kg | | 107 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2309 | | mg/Kg | | 115 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1177 | | mg/Kg | | 118 | 70 - 130 | |
| | | | | | | | | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 108 | 70 - 130 |

Client Sample ID: Lab Control Sample Dup

70 - 130

117

Prep Type: Total/NA Prep Batch: 4490

35

Analysis Batch: 4491

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Lab Sample ID: LCSD 880-4490/2-A

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.100 0.1144 mg/Kg 114 70 - 130 35 0.100 0.1071 mg/Kg 107 70 - 130 2 35 0.100 0.1071 mg/Kg 107 70 - 130 35 0.200 0.2316 35 mg/Kg 116 70 - 130

mg/Kg

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 117 | | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 108 | | 70 - 130 |

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QC Sample Results

 Client: WSP USA Inc.
 Job ID: 890-846-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

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

Lab Sample ID: MB 880-4499/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 4494
Prep Batch: 4499

| | MB | з мв | | | | | | | |
|-----------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 10:48 | 1 | |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 10:48 | 1 | |
| C10-C28) | | | | | | | | | |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 10:48 | 1 | |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | 06/23/21 09:28 | 06/23/21 10:48 | 1 | |
| | | | | | | | | | |

| | MB MB | | | | |
|----------------|---------------------|----------|----------------|----------------|---------|
| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 97 | 70 - 130 | 06/23/21 09:28 | 06/23/21 10:48 | 1 |
| o-Terphenyl | 119 | 70 - 130 | 06/23/21 09:28 | 06/23/21 10:48 | 1 |

Lab Sample ID: LCS 880-4499/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid
Analysis Batch: 4494
Prep Type: Total/NA
Prep Batch: 4499

| | Spike | LCS | LCS | | | | %Rec. | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 852.5 | | mg/Kg | | 85 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1003 | | mg/Kg | | 100 | 70 - 130 | |
| C10-C28) | | | | | | | | |

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 102 | | 70 - 130 |
| o-Terphenyl | 115 | | 70 - 130 |

Lab Sample ID: LCSD 880-4499/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid
Analysis Batch: 4494
Prep Type: Total/NA
Prep Batch: 4499

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD | | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | | |
| Gasoline Range Organics | 1000 | 911.7 | | mg/Kg | | 91 | 70 - 130 | 7 | 20 | | |
| (GRO)-C6-C10 | | | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1045 | | mg/Kg | | 104 | 70 - 130 | 4 | 20 | | |
| C10-C28) | | | | | | | | | | | |

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 104
 70 - 130

 o-Terphenyl
 120
 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4513/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 4596

| | MB | MB | | | | | | |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 06/24/21 18:20 | 1 |

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Job ID: 890-846-1

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H SDG: TE012920134

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4513/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4596

Spike LCS LCS %Rec. Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 243.1 mg/Kg 97 90 - 110

Lab Sample ID: LCSD 880-4513/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4596

Spike LCSD LCSD %Rec. RPD Added Limit Analyte Result Qualifier Unit D %Rec Limits RPD Chloride 250 244.3 mg/Kg 90 - 110 0

Lab Sample ID: MB 880-4514/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4598

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Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 06/24/21 20:59 mg/Kg

Lab Sample ID: LCS 880-4514/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4598

LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit %Rec Limits 250.5 Chloride 250 100 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-4514/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4598

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 248.2 mg/Kg 99 90 - 110

Lab Sample ID: 890-846-3 MS Client Sample ID: FS07 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4598

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 4300 1260 5448 mg/Kg 91 90 - 110

Lab Sample ID: 890-846-3 MSD

Matrix: Solid

Analysis Batch: 4598

MSD MSD %Rec. RPD Sample Sample Spike Qualifier Added Analyte Result Result Qualifier Limits RPD Limit Unit D %Rec Chloride 4300 1260 5436 mg/Kg 90 90 - 110 20

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Client Sample ID: FS07

Prep Type: Soluble

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-846-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

GC VOA

Prep Batch: 4490

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-846-1 | FS05 | Total/NA | Solid | 5035 | |
| 890-846-2 | FS06 | Total/NA | Solid | 5035 | |
| 890-846-3 | FS07 | Total/NA | Solid | 5035 | |
| 890-846-4 | FS08 | Total/NA | Solid | 5035 | |
| 890-846-5 | FS09 | Total/NA | Solid | 5035 | |
| 890-846-6 | FS10 | Total/NA | Solid | 5035 | |
| 890-846-7 | FS11 | Total/NA | Solid | 5035 | |
| 890-846-8 | FS12 | Total/NA | Solid | 5035 | |
| MB 880-4490/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-4490/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-4490/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 4491

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-846-1 | FS05 | Total/NA | Solid | 8021B | 4490 |
| 890-846-2 | FS06 | Total/NA | Solid | 8021B | 4490 |
| 890-846-3 | FS07 | Total/NA | Solid | 8021B | 4490 |
| 890-846-4 | FS08 | Total/NA | Solid | 8021B | 4490 |
| 890-846-5 | FS09 | Total/NA | Solid | 8021B | 4490 |
| 890-846-6 | FS10 | Total/NA | Solid | 8021B | 4490 |
| 890-846-7 | FS11 | Total/NA | Solid | 8021B | 4490 |
| 890-846-8 | FS12 | Total/NA | Solid | 8021B | 4490 |
| MB 880-4490/5-A | Method Blank | Total/NA | Solid | 8021B | 4490 |
| LCS 880-4490/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 4490 |
| LCSD 880-4490/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4490 |

GC Semi VOA

Analysis Batch: 4494

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-846-1 | FS05 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-2 | FS06 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-3 | FS07 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-4 | FS08 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-5 | FS09 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-6 | FS10 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-7 | FS11 | Total/NA | Solid | 8015B NM | 4499 |
| 890-846-8 | FS12 | Total/NA | Solid | 8015B NM | 4499 |
| MB 880-4499/1-A | Method Blank | Total/NA | Solid | 8015B NM | 4499 |
| LCS 880-4499/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 4499 |
| LCSD 880-4499/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 4499 |

Prep Batch: 4499

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-846-1 | FS05 | Total/NA | Solid | 8015NM Prep | |
| 890-846-2 | FS06 | Total/NA | Solid | 8015NM Prep | |
| 890-846-3 | FS07 | Total/NA | Solid | 8015NM Prep | |
| 890-846-4 | FS08 | Total/NA | Solid | 8015NM Prep | |
| 890-846-5 | FS09 | Total/NA | Solid | 8015NM Prep | |
| 890-846-6 | FS10 | Total/NA | Solid | 8015NM Prep | |
| 890-846-7 | FS11 | Total/NA | Solid | 8015NM Prep | |

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QC Association Summary

Client: WSP USA Inc. Project/Site: PLU 28 BS 158H Job ID: 890-846-1

SDG: TE012920134

GC Semi VOA (Continued)

Prep Batch: 4499 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 890-846-8 | FS12 | Total/NA | Solid | 8015NM Prep | |
| MB 880-4499/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-4499/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-4499/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

HPLC/IC

Leach Batch: 4513

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-846-1 | FS05 | Soluble | Solid | DI Leach | |
| 890-846-2 | FS06 | Soluble | Solid | DI Leach | |
| MB 880-4513/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4513/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4513/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Leach Batch: 4514

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 890-846-3 | FS07 | Soluble | Solid | DI Leach | |
| 890-846-4 | FS08 | Soluble | Solid | DI Leach | |
| 890-846-5 | FS09 | Soluble | Solid | DI Leach | |
| 890-846-6 | FS10 | Soluble | Solid | DI Leach | |
| 890-846-7 | FS11 | Soluble | Solid | DI Leach | |
| 890-846-8 | FS12 | Soluble | Solid | DI Leach | |
| MB 880-4514/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-4514/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-4514/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-846-3 MS | FS07 | Soluble | Solid | DI Leach | |
| 890-846-3 MSD | FS07 | Soluble | Solid | DI Leach | |

Analysis Batch: 4596

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-846-1 | FS05 | Soluble | Solid | 300.0 | 4513 |
| 890-846-2 | FS06 | Soluble | Solid | 300.0 | 4513 |
| MB 880-4513/1-A | Method Blank | Soluble | Solid | 300.0 | 4513 |
| LCS 880-4513/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4513 |
| LCSD 880-4513/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4513 |

Analysis Batch: 4598

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-846-3 | FS07 | Soluble | Solid | 300.0 | 4514 |
| 890-846-4 | FS08 | Soluble | Solid | 300.0 | 4514 |
| 890-846-5 | FS09 | Soluble | Solid | 300.0 | 4514 |
| 890-846-6 | FS10 | Soluble | Solid | 300.0 | 4514 |
| 890-846-7 | FS11 | Soluble | Solid | 300.0 | 4514 |
| 890-846-8 | FS12 | Soluble | Solid | 300.0 | 4514 |
| MB 880-4514/1-A | Method Blank | Soluble | Solid | 300.0 | 4514 |
| LCS 880-4514/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 4514 |
| LCSD 880-4514/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 4514 |
| 890-846-3 MS | FS07 | Soluble | Solid | 300.0 | 4514 |
| 890-846-3 MSD | FS07 | Soluble | Solid | 300.0 | 4514 |

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-846-1 SDG: TE012920134

Lab Sample ID: 890-846-1

Matrix: Solid

Client Sample ID: FS05

Date Collected: 06/21/21 10:07 Date Received: 06/22/21 11:57

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 16:31 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 17:26 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4513 | 06/23/21 12:38 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4596 | 06/24/21 20:42 | CH | XEN MID |

Client Sample ID: FS06

Date Collected: 06/21/21 10:12

Lab Sample ID: 890-846-2

Matrix: Solid

Date Received: 06/22/21 11:57

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 4490 06/23/21 08:30 KL XEN MID Total/NA 8021B 06/23/21 16:52 XEN MID Analysis 1 4491 KL Total/NA Prep 8015NM Prep 06/23/21 09:28 XEN MID 4499 DM Total/NA 8015B NM XEN MID Analysis 4494 06/23/21 17:47 ΑJ XEN MID Soluble Leach DI Leach 4513 06/23/21 12:38 СН XEN MID Soluble Analysis 300.0 5 4596 06/24/21 20:47 CH

Client Sample ID: FS07 Lab Sample ID: 890-846-3

Date Collected: 06/21/21 10:18

Date Received: 06/22/21 11:57

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 17:12 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 18:08 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4598 | 06/24/21 21:15 | CH | XEN MID |

Client Sample ID: FS08

Lab Sample ID: 890-846-4

Matrix: Solid

Date Received: 06/22/21 11:57

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 17:33 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 18:29 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | 4598 | 06/24/21 21:32 | CH | XEN MID |

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Lab Sample ID: 890-846-5

Matrix: Solid

Job ID: 890-846-1

SDG: TE012920134

Client Sample ID: FS09 Date Collected: 06/21/21 15:39 Date Received: 06/22/21 11:57

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 17:53 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 18:50 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4598 | 06/24/21 21:37 | CH | XEN MID |

Lab Sample ID: 890-846-6

Matrix: Solid

Date Collected: 06/21/21 16:03 Date Received: 06/22/21 11:57

Client Sample ID: FS10

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 18:13 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 19:11 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | 4598 | 06/24/21 21:42 | CH | XEN MID |

Client Sample ID: FS11 Lab Sample ID: 890-846-7

Matrix: Solid

Date Collected: 06/21/21 15:11 Date Received: 06/22/21 11:57

| _ | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 18:34 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 19:32 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | 4598 | 06/24/21 21:48 | CH | XEN MID |

Client Sample ID: FS12 Lab Sample ID: 890-846-8 Date Collected: 06/21/21 15:08 **Matrix: Solid**

Date Received: 06/22/21 11:57

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|-------------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4490 | 06/23/21 08:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 4491 | 06/23/21 18:54 | KL | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 4499 | 06/23/21 09:28 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 4494 | 06/23/21 19:53 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4514 | 06/23/21 12:40 | СН | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | 4598 | 06/24/21 22:04 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-846-1

 Project/Site: PLU 28 BS 158H
 SDG: TE012920134

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Pr | ogram | Identification Number | Expiration Date |
|---|----------------------------------|----------------------------------|---|-------------------------|
| Texas | NE | ELAP | T104704400-20-21 | 06-30-21 |
| The following analytes | are included in this report, but | t the laboratory is not certific | ed by the governing authority. This list ma | av include analytes for |
| the agency does not of | | , | ou by the governming dutiestry. | ay molado dilalytoo loi |
| the agency does not of Analysis Method | | Matrix | Analyte | y moduce analytes for |
| 3 , | fer certification. | , | , , , | |

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-846-1

SDG: TE012920134

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| 8015NM Prep | Microextraction | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 158H

Job ID: 890-846-1 SDG: TE012920134

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-846-1 | FS05 | Solid | 06/21/21 10:07 | 06/22/21 11:57 | - 1.5 |
| 890-846-2 | FS06 | Solid | 06/21/21 10:12 | 06/22/21 11:57 | - 1.5 |
| 890-846-3 | FS07 | Solid | 06/21/21 10:18 | 06/22/21 11:57 | - 1.5 |
| 890-846-4 | FS08 | Solid | 06/21/21 10:24 | 06/22/21 11:57 | - 1 |
| 890-846-5 | FS09 | Solid | 06/21/21 15:39 | 06/22/21 11:57 | - 1 |
| 890-846-6 | FS10 | Solid | 06/21/21 16:03 | 06/22/21 11:57 | - 1 |
| 890-846-7 | FS11 | Solid | 06/21/21 15:11 | 06/22/21 11:57 | - 1.5 |
| 890-846-8 | FS12 | Solid | 06/21/21 15:08 | 06/22/21 11:57 | - 1.5 |

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Project Manager:

Dan Moir

Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta (

Company Name:

WSP USA Inc., Permian office

3300 North A Street

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Chain of C

| • | Chain of Custody | • | Work Order No: _ | | | |
|---------------------------------------|--|--------------------|---|-------|-----------|---|
| Houston,TX (281) 240-4200 [| Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334 | | | | | |
| Midland, TX (432-704-5440) | Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 | | | | | |
| 575-392-7550) Phoenix,AZ (4 | (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) | | www.xenco.com | Page | Page of / | |
| Bill to: (if different) Kyle Littrell | Kyle Littrell | | Work Order Comments | ments | | |
| Company Name: XTO Energy, Inc. | XTO Energy, Inc. | Program: UST/PST | Program: UST/PST ☐RP ☐rownfields ☐RC ᡚperfund | _ | ¶perfund | П |
| Address: | 3184 E. GREENE STREET | State of Project: | | | | |
| City, State ZIP: | City, State ZIP: CHALSBAD, NM 88216 | Reporting:Level II | Reporting:Level II | 교 | wel IV | |

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| Date/Time | Received by: (Signature) | Relinquished by: (Signature) | ime | Date/Time | ıre) | Received by: (Signature) | Received | nature) | Relinquished by: (Signature) |
| | d terms and conditions ances beyond the control viously negotiated. | Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | r to Xenco, its af enses incurred b nco, but not ana | client company y losses or expo submitted to Xeo | urchase order from esponsibility for an 5 for each sample : | stitutes a valid p ot assume any r nd a charge of \$ | of samples cons les and shall no each project a | nt and relinquishment only for the cost of samp \$75.00 will be applied to | xtice: Signature of this docume service. Xenco will be liable of Xenco. A minimum charge of |
| 8.7 / / 4/8 / / 4/7 : 1/9 | g 11 11 | Cd Cr Co Cu Pb Mn Mo Ni Se Ag | Ba Be Cd | RA Sb As | TCLP / SPLP 6010: 8RCRA Sb As Ba Be | TCLP / SP | alyzed | d Metal(s) to be an | Circle Method(s) and Metal(s) to be analyzed |
| U | Ni K Se Ag SiO2 | Cr Co Cu Fe F | | 1 Al Sb As | 13PPM Texas 11 Al Sb | 8RCRA 13F | σ, | 200.8 / 6020: | Total 200.7 / 6010 |
| | | | | 8 | T X | 1 | | | |
| | | | # | | | 1 | | | |
| Composite | | | × | × | 1.5 | 15:08 | 6/21/2021 | S | FS12 |
| Composite | | | × | × | 1.5 | 15:11 | 6/21/2021 | S | FS11 |
| Composite | | | × | × | == | 16:03 | 6/21/2021 | s | FS10 |
| Composite | | | × | × | 1-2 | 15:39 | 6/21/2021 | w | FS09 |
| Composite | | | × | × | == | 10:24 | 6/21/2021 | S | FS08 |
| Composite | | | × | × | 1.5 | 10:18 | 6/21/2021 | Š | FS07 |
| Composite | | | × | × | 1.5 | 10:12 | 6/21/2021 | s | FS06 |
| Composite | | | × | × | 1.5 | 10:07 | 6/21/2021 | S | FS05 |
| Sample Comments | σ | | BTEX (| Numb | Depth | Time Sampled | Date Sampled | ion Matrix | Sample Identification |
| lab, if received by 4:30pm | la | | | | | Total Containers: | Tota | Yes No N/A | Sample Custody Seals: |
| TAT starts the day recevied by the | TAT st | | _ | | | Correction Factor: | Corre | 8 | Cooler Custody Seals: |
| | - | | + | ntai | | LOCTION 1 | | γ _e No | Received Intact: |
| | ody | 890-846 Chain of Custody |) | ners | 5 | Thermometer ID | (| 5.2/50 | Temperature (°C): |
| | | | | 3 | No Sol | Wet Ice: | Yes No | Temp Blank: | SAMPLE RECEIPT |
| | | | | | Date: | Due Date | ather | William Mather | Sampler's Name: |
| Incident ID: NRM2025263987 | IIIIIII | | | | | Rush: | | Eddy | P.O. Number: |
| AFE: DD.2017.01918.CAP.CMP.01 | AFE: DE | | _ | | ne 🖫 | Routine | 0134 | TE012920134 | Project Number: |
| Work Order Notes | | ANALYSIS REQUEST | | | Turn Around | Τι | 158H | PLU 28 BS 158H | Project Name: |
| Other: | Deliverables: EDD ADaP1 | Delive | @wsp.com | com, dan moi | Email: will.mather@wsp.com, dan.moir@wsp.com | Email: | | (432) 236-3849 | Phone: (432 |
| FVE IV | Level III | CHALSBAD, NM 88218 | SOAD, | CARI | City, State ZIP: | | | Midland, Tx 79705 | City, State ZIP: Midla |

Eurofins Xenco, Carlsbad

Chain of Custody Record

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1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199

| Custody Seals Intact Custody Seal No | Relinquished by | Kelinquished by | (100 Corps (22.2) | Empty Kit Relinquished by | Deliverable Requested V Other (specify) | Unconfirmed Deliverable Deposed 1 | Note: Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. | FS12 (890-846-8) | FS11 (890-846-7) | FS10 (890-846-6) | FS09 (890-846-5) | FS08 (890-846-4) | FS07 (890-846-3) | FS06 (890-846-2) | FS05 (890-846-1) | | | Sample Identification - Client ID (Lab ID) | Site | PLU 28 BS 158H | Email | 432-704-5440(Tel) | TX, 79701 | City Midland | 1211 W Florida Ave | Eurofins Xenco | Shipping/Receiving | Client Information (Sub Contract Lab) |
|--------------------------------------|-----------------|-----------------|-------------------|---------------------------|---|--|---|-------------------|-------------------|-------------------|---|-------------------|-------------------|-------------------|-------------------|--------------------|----------------------------|--|--------|-------------------|---------------------|--------------------------|--|----------------------------|---------------------------------|--|----------------------------|---------------------------------------|
| | Date/Time: | Date/Time: | Date/Time: | | Primary Deliverable Rank | | places the ownership being analyzed the s urn the signed Chain | 6/21/21 | 6/21/21 | 6/21/21 | 6/21/21 | 6/21/21 | 6/21/21 | 6/21/21 | 6/21/21 | | Calliple Date | Sample Date | SSOW#: | 89000004 | WO #: | TO # | | TAT Requested (days) | Due Date Requested 6/28/2021 | | Fnone | Sampler: |
| | | | | Date | • | 1 | of method ar amples must to f Custody att | 15 08 Mountain | 15 11 Mountain | 16 03 Mountain | 15 39 Mountain | 10 24 Mountain | 10 18 Mountain | 10 12 Mountain | 10 07 Mountain | X | | Sample Time | | | | | | ays) | ed | | | |
| | | | | | 2 | | halyte & accred be shipped bac esting to said c | | | | | | | | | Preserva | G-GIGD) | | | | | | | | | | | |
| | Company | Company | Company | | | | itation complia k to the Eurofir omplicance to | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Preservation Code: | BT=Tissue, A=Air) | Matrix (W=water S=solid, O=waste/oli, | | | | | | | | | jessic | Lab PM Krame |
| | 70 | 70 | . 77 | Time | Spec | Sam | nce upon on Xenco L Eurofins X | | | | | | | | | X | P | Field Filtered Perform MS/M | SD (Y | es or | No) | anda bida | Barrenge 1998 - Miller Sebession and | | | Accreditations Required (See note) NELAP - Louisiana NELAP - Texas | | Lab PM Kramer Jessica |
| Cooler Temperature(s) °C | Received by | Recognication | Received by | | Special Instructions/QC | Ple Di | out subc LC labo enco LL | × | × | × | × | × | × | × | × | | 4- | 8015MOD_NM/8 800_ORGFM_28 | | | | | | | | - Loui | er@eu | ica a |
| empera | by: | 12.65 | by | \ | tructio | sposa m To | ontract ratory o | × | × | × | × | × | × | × | × | | 4 | 8021B/6036FP_0 | | | | | | | | quired o | rofins | |
| ture(s) | | B | | | ns/QC | le Disposal (A fo | laborator other i | | | | | | | | | | | | | | | | | | Ana | (See no | et com | |
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| | | | | Method | | sed if sal By | oment is vided / | | | _ | | | | _ | | | | | | | | | | | ted | | State of Origin New Mexico | r Tracki |
| ŀ | Dat | Dat | Day | Method of Shipment | | samp Lab | forward | - | | | | | | | | 1000 | | | | | | | | | | | ر ہ | Carrier Tracking No(s): |
| | Date/Time: | Date/Time: | Cui Jeted | ment: | | les ar | ded und | | | | | | | | | Losson | | | | | | | | | | | |). |
| | | 1 | J | | | e retai | er chair accredit | رخد | - | | اخت | مختور | - | A | 43 | V | | otal Number | ofco | staine | | - | · , — | | | | | |
| | | 1 | | | | tained long Archive For | 1-of-cus ation st | | | | | one de de | | 2000 1 | | | ľ | | Other | <u>г</u> , | | | | O ໝ > | Pres | -068 # dor | Page: Page | 89 CC |
| | | *Since | 105′ | | | onger _{-or_} | tody If atus sho | | | | : | | | | | | Spe | e l | Ť | ED S | Ice DI Water | Amchlor Ascorbic Acid | Nitric Acid NaHSO4 | NaOH Zn Acetate | servati | Job #: 890-846-1 | Page Page 1 of 1 | COC No: 890-271 1 |
| | | | 7 | | | than 1 | the labo wid be t | | | | | | | | | V | cial in | | | | | Acid | - <u>a</u> | ē | Preservation Codes | | _ | |
| | Company | Company | Company | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months | ratory does not orought to Eurof | | | | *************************************** | | | | | | Special Instructions/Note. | | | Z other (specify) | U Acetone V MCAA | S H2SO4 | P Na2O4S Q Na2SO3 | M - Hexane N None O AsNaO2 | les | | | |
| | | | | | | | currently ins Xenco | | | | | | | | | | lote. | | | aify) | Si di di di | shydrata | | | | | | |

Ver: 11/01/2020

Chain of Custody Record

| Eurofins Xenco, Carlsbad 1089 N Canal St. | | | | 💸 eurofins |
|---|---------------------------|------------------------------------|------------------------|--------------------|
| Carlsbad NM 88220 Phone 575-988-3199 Eav: 575-988-3199 | clialli of custody Record | Record | | America |
| Flighte 3/3-800-3188 Fdx. 3/3-800-3188 | | | | |
| Client Information (Sub Contract Lab) | Sampler La | Lab PM Kramer Tessica | Carrier Tracking No(s) | COC No: |
| | | 900000 | | 7 1 7 |
| Client Contact | Phone E- | E-Mail | State of Origin | Page |
| Shipping/Receiving | je | jessica kramer@eurofinset.com | New Mexico | Page 2 of 2 |
| Company: | | Accreditations Required (See note) | | Job# |
| Eurofins Xenco | | NELAP - Texas | | 890-844-1 |
| Address. | Due Date Requested | | | Preservation Codes |
| IZI VY FICIIDA AVO | 0/20/2021 | Analysis Requested | | |
| City | TAT Requested (days) | | | B NaOH N Hexane |

| | Campian | | | Lab Tis | . s | • | | | | Car | Carner Fracking No(s) | king No | S | | S | COC No: | | |
|---|---|---|--|--|--|---------------------------------|-------------------------|-------------------------|------------------------|----------------------|-----------------------|---------------------------------------|---------------------|--|----------------------|---------------------------|------------------------|--|
| Client Contact: | Phone | | | Kram E-Mail | Kramer Jessica E-Mail | 23 | | | | St | State of Origin | 5 | | | 890- | 890-271 2 Page | | |
| Shipping/Receiving | | | | jessi | jessıca kramer@eurofinset.co | er@eu | rofinset | .com | | N. | New Mexico | 8 | | | Pa | Page 2 of 2 | 2 | |
| Company Eurofins Xenco | | | | | Accreditations Required (See note) NELAP - Texas | ions Re - Texa | quired (S | e note) | | | | | | | 3-068 # qor | Job #: 890-844-1 | | |
| Address 1211 W Florida Ave | Due Date Requested 6/25/2021 | ä | | | | | | Analysis | /sis R | Requested | sted | | | | 핗 | Preservation Codes | on Cod | les |
| City: Midland | TAT Requested (days) | ys) | | | | \dashv | | - | | \dashv | | | \dashv | 77 | O B > | HCL NaOH Zn Acetate | | M Hexane N - None O AsNaO? |
| State Zip TX, 79701 | | | | | | | | | | | | | ••••• | guitari neggera | m o | Nitric Acid | <u>п</u> (| P Na2O4S Q Na2SO3 |
| Phone 432-704-5440(TeI) | PO#: | | | | | | | | | | | | ******* | | I O T | Amchlor Assorbic | | R Na2S2O3 S H2SO4 |
| Email | WO#: | | | | o) | | | , | | | | | | eparanoga Sa | 1000 cas 600 | Ce Ce | ć | U Acetone V MCAA |
| Project Name: | Project # | | | | or N | | | | | | | | | Van lantaat | - x · | EDTA | | W pH 4-5 |
| Holly A Federal #UU6 | 88000203 | | | | e s | | | | | | | | | Con | (<i>33,0</i> 00 | 5 | | c offer (specify) |
| Site: | SSOW#: | | | | ISD (Y | | | | | | | · · · · · · · · · · · · · · · · · · · | | | Other: | er. | | |
| | | | Sample | Matrix (w=water | iltered n MS/N | GFM_28 | 035FP_ | | | | | | | 7.9000 | umber | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | <u> </u> | O=waste/oil, BT=Tissue, A≈Air) | Perfo | | | | | | | | | Standing. | lotai | Spe | ii N | Special Instructions/Note |
| | X | | . 100 | on Code: | X | | | | | | | | | | X | 1 | V | |
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| BH06 (890-844-11) | 6/18/21 | 13 45 Mountain | | Solid | | × | × | | | | | | | - 64. S | A A S | | | |
| BH06 (890-844-12) | 6/18/21 | 14 10 Mountain | | Solid | | × | × | | | | | | | | | | | |
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| | | | | | | - | | - | | | | - | - | | | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. | places the ownership being analyzed the signed Chain o | of method and amples must be of Custody attes | alyte & accredit shipped back sting to said co | ation compliar to the Eurofin mplicance to I | ce upon o s Xenco LI urofins Xe | ut subci _C labor inco LL | ontract lai | ooratorie other inst | s. This s uctions v | ample s will be p | hipment ovided | is forwa Any ch | rded un anges to | der chai accredi | n-of-cu Itation s | stody If tatus sho | the labor xuld be b | rratory does not currently yrought to Eurofins Xenco |
| Possible Hazard Identification | | | | | Sam | ple Di | Sample Disposal (A | | may b | ⊔e ass | ssed | fsam | ples a | □ reta | ined | longer | than 1 | fee may be assessed if samples are retained longer than 1 month) |
| Deliverable Requested II III IV Other (specify) | Primary Deliverable Rank | able Rank 2 | | | Spec | cial Ins | Special Instructions/Q0 | s/QC F | C Requirements | ments | ents | 1 | | ١ | | g | | мошіз |
| Empty Kit Relinquished by | | Date | | | Time | l | | | ١ | ٥ | Methc | Method of Shipment: | oment: | l | l | | | |
| Relinquished by | Date/Time: | | | Company | | Received | //s | | | | 1 | - | DateTime | 2 | 2 | | 2 | Company |
| Relinquished by | Date/Time: | | 0 | Company | 77 | Receivedby | N. | W. | N | 1 | | D. | Date/Time | 4 | 1 | ļ | # | Company |
| Relinquished by: | Date/Time: | | C | Company | 77 | Received by: | by | | | | | D | Date/Time: | | ĺ | | | Company |
| Custody Seals Intact Custody Seal No | | | | | | ooler Te | Cooler Temperature(s) | | °C and Other Remarks. | r Remar | Š | ŀ | | | l | | | |

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-846-1 SDG Number: TE012920134

List Source: Eurofins Xenco, Carlsbad

Login Number: 846 List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-846-1 SDG Number: TE012920134

List Source: Eurofins Xenco, Midland

List Creation: 06/23/21 11:31 AM

List Number: 2 Creator: Copeland, Tatiana

Login Number: 846

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

<6mm (1/4").

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 43132

CONDITIONS

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 43132 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| chensley | None | 9/17/2021 |