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

June 10, 2021

District I
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

RE: Closure Request
Burton 35 001
Incident Number NAPP2036146879
Lea County, New Mexico

To Whom It May Concern:

WSP USA, Inc. (WSP) on behalf of Concho Operating, LLC (Concho), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Burton 35 001 (Site) located in Unit A, Section 35, Township 25 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil and produced water at the Site. Based on excavation activities and soil sample laboratory analytical results, Concho is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2036146879.

RELEASE BACKGROUND

On December 7, 2020, a flanged connection at the wellhead leaked which resulted in the release of approximately 10 barrels (bbls) of produced water and 35 bbls of crude oil onto the caliche well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water and 30 bbls of crude oil were recovered. Concho reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 8, 2020 and subsequently submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on December 26, 2020. The release was assigned Incident Number NAPP2036146879.

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 the nearest groundwater well data. The nearest permitted groundwater well with published depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 02313, located approximately 0.78 miles northwest of the Site. The groundwater well records indicate a depth to water of 110 feet bgs and a total depth of 150 feet bgs. Based on

visual observations by Concho and WSP personnel, NMOSE well C 02313 is an inactive windmill. The inactive windmill was most recently measured by Concho in January 2021 with a depth to water measurement of 130 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is an intermittent dry wash, located approximately 0.6 miles northwest 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 (low 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 AND ANALYTICAL RESULTS

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 four preliminary soil samples (SS01 through SS04) within the release extent from a depth ranging from ground surface to 0.5 feet bgs to assess the lateral extent of impacted soil. Soil from 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. Based on elevated field screening results for preliminary soil sample SS03, the sample was not submitted for laboratory analysis. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

Preliminary soil samples SS01, SS02, and SS04 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 Carlsbad, New Mexico, 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 SS01, SS02, and SS04 indicated chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil sample SS01 indicated TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria. Laboratory analytical results for preliminary soil sample SS02 indicated TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria. Laboratory analytical results for preliminary soil sample SS04 indicated BTEX, TPH-GRO/TPH-DRO, and TPH concentrations exceeded the Closure Criteria. Based on visible staining in the release area, field screening activities, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION SOIL SAMPLING AND EXCAVATION ACTIVITIES

Between January 25, 2021 and March 25, 2021, WSP personnel returned to the Site to oversee delineation and excavation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples. Four potholes (PH01 through PH04) were advanced via track hoe within the release area to assess the vertical extent of impacted soil. Potholes PH01 through PH04 were advanced to a depth of 4 feet bgs at the SS01 through SS04 preliminary soil sample locations. Delineation soil samples were collected from potholes PH01 through PH04 from depths ranging from 1-foot to 4 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation pothole locations are depicted on Figure 3.

Excavation activities were completed to remove the surficial staining in the release footprint and excavate the impacted soil in the areas surrounding preliminary soil samples SS01 through SS04. Excavation activities were performed using a track hoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to depths ranging from 1-foot to 2 feet bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the sidewalls and 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 sidewall samples SW01 and SW02 were collected from the sidewalls of the deeper central portion of the excavation from depths ranging from the ground surface to 2 feet bgs. Composite floor samples FS01 through FS27 were collected from the floor of the excavation from depths ranging from of 1-foot bgs to 2 feet bgs.

Due to the shallow depth of the northern and southern portions of the excavation, the floor soil samples in these areas represented the floor and sidewalls of the excavation. 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 5,310 square feet. A total of approximately 340 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill located in Jal, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01, SS02, and SS04 indicated TPH and/or TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria; BTEX also exceeded the Closure Criteria in preliminary soil sample SS04.

Laboratory analytical results for the delineation soil sample collected from pothole PH03 at 1-foot bgs indicated TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria. Subsequent samples collected from pothole PH03 at depths ranging from 2 feet to 4 feet bgs were compliant with the Closure Criteria. Laboratory analytical results for the delineation samples collected from potholes PH01 through PH04 from depths ranging from 1-foot to 4 feet bgs indicated 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 from the uppermost 1-foot to 2-feet of the release footprint. Laboratory analytical results for excavation sidewall samples SW01 and SW02 and excavation floor samples FS01 through FS27, indicated 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

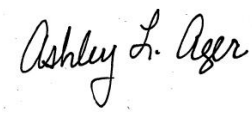
Site assessment and excavation activities were conducted to address the December 7, 2020 release of crude oil and produced water at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no further remediation is required. Concho backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts, which included removal of freestanding fluids 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 Concho believe these remedial actions are protective of human health, the environment, and groundwater. As such, Concho respectfully requests no further action for Incident Number NAPP2036146879. The finalized version of the Form C-141 is included in Attachment 5.

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

Sincerely,

WSP USA Inc.



William Mather
Assistant Consultant

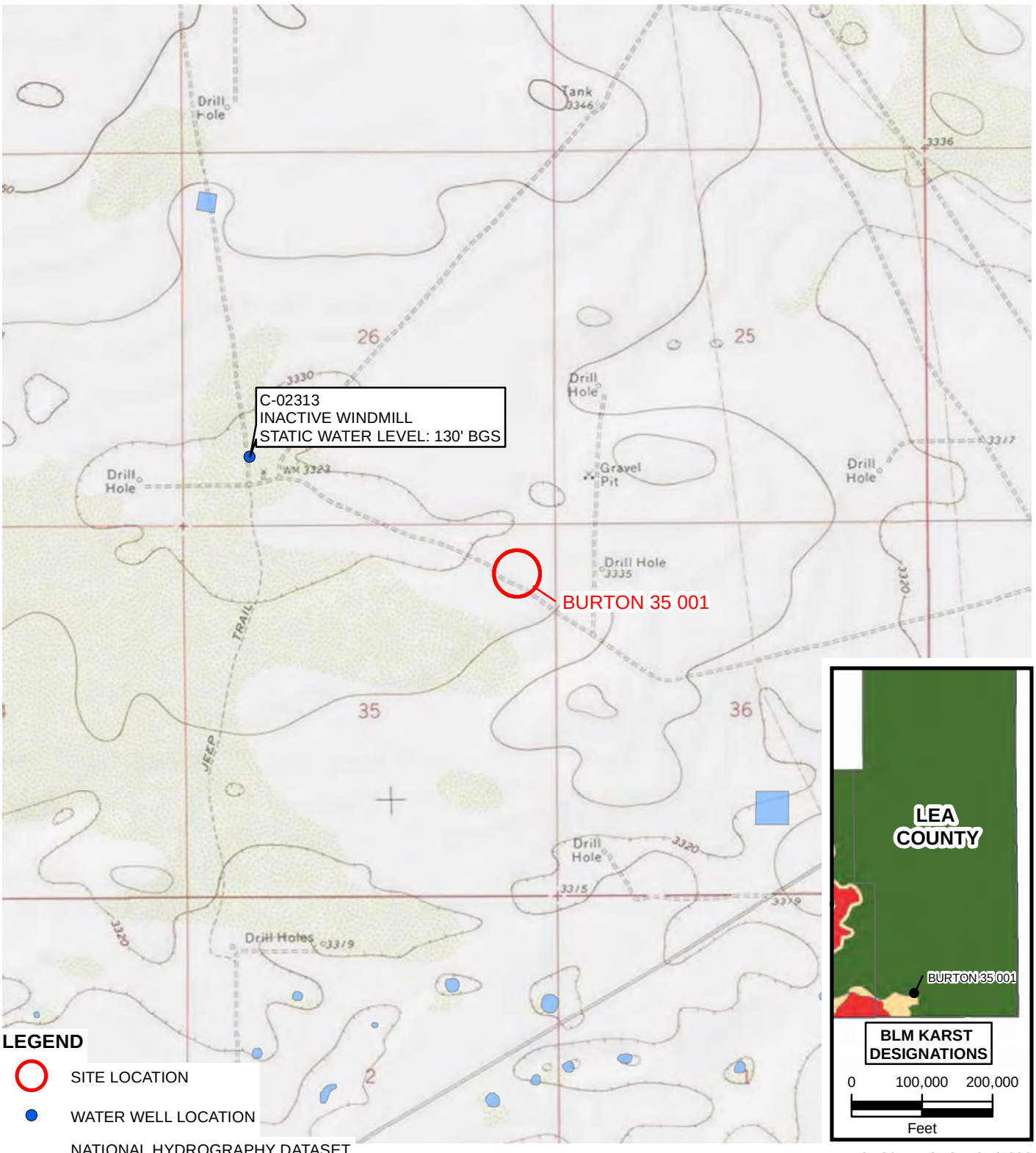
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Ike Tavarez, Concho Operating, LLC

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
Attachment 5	Final C-141

FIGURES



LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

NOTE: INCIDENT NUMBER NAPP2036146879
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
BURTON 35 001
UNIT A SEC 35 T25S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\Concho Operating\GIS\MXD\31402909.02_BURTON 35 001\31402909.02_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

- WELLHEAD
- PRELIMINARY SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS LINE
- RELEASE EXTENT
- INFRASTRUCTURE

NOTE: INCIDENT NUMBER NAPP2036146879
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

0 50 100
Feet

N

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
BURTON 35 001
UNIT A SEC 35 T25S R33E
LEA COUNTY, NEW MEXICO
CONCHO OPERATING

P:\Concho Operating\GIS\MXD\31402909.02_BURTON 35 001\31402909.02_FIG02_PRELIMINARY_2021.mxd

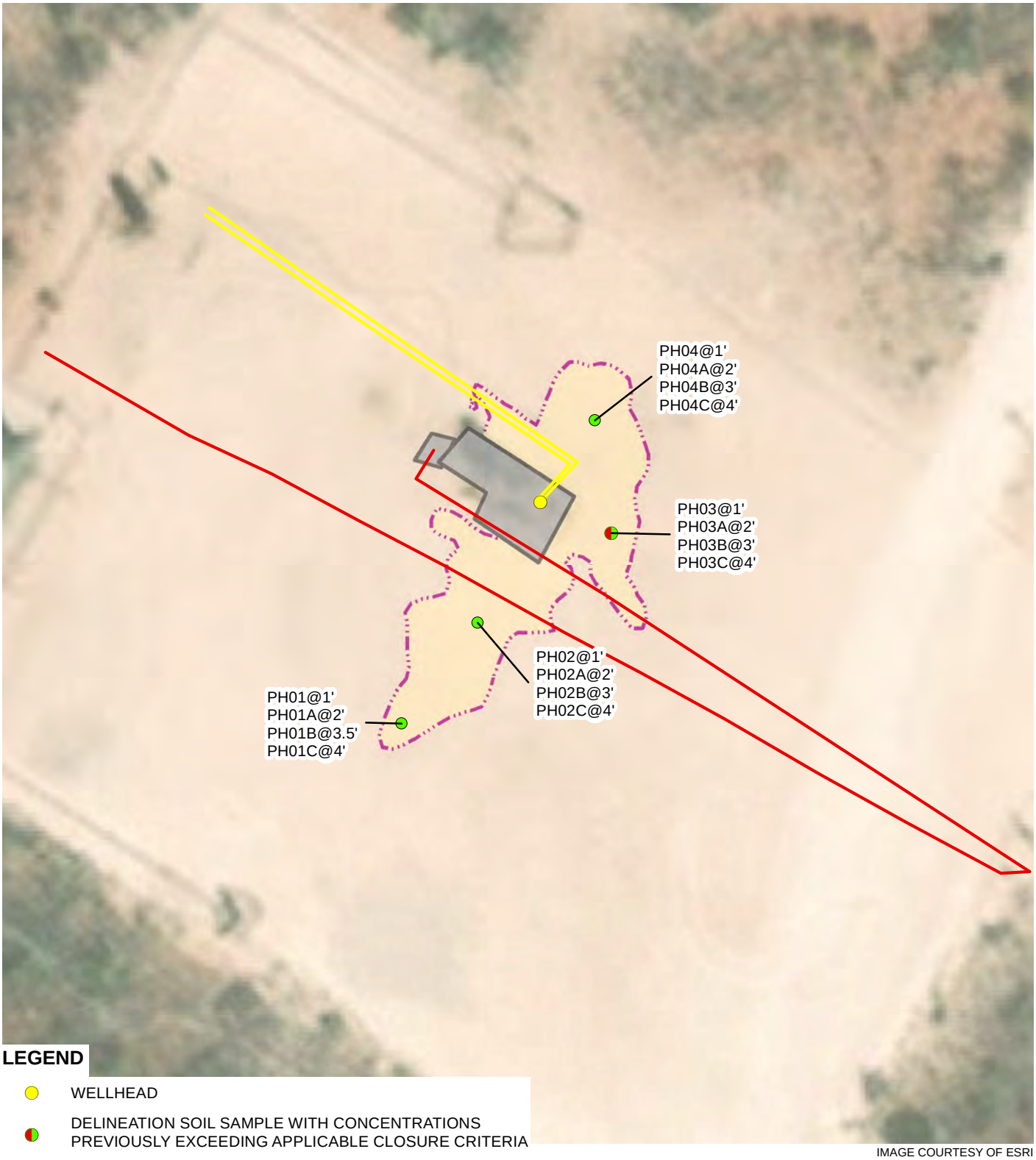


IMAGE COURTESY OF ESRI

LEGEND

- WELLHEAD
- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS PREVIOUSLY EXCEEDING APPLICABLE CLOSURE CRITERIA
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS LINE
- RELEASE EXTENT
- INFRASTRUCTURE

NOTE: INCIDENT NUMBER NAPP2036146879
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

0 50 100
Feet

N

FIGURE 3
DELINEATION SOIL SAMPLE LOCATIONS
BURTON 35 001
UNIT A SEC 35 T25S R33E
LEA COUNTY, NEW MEXICO
CONCHO OPERATING

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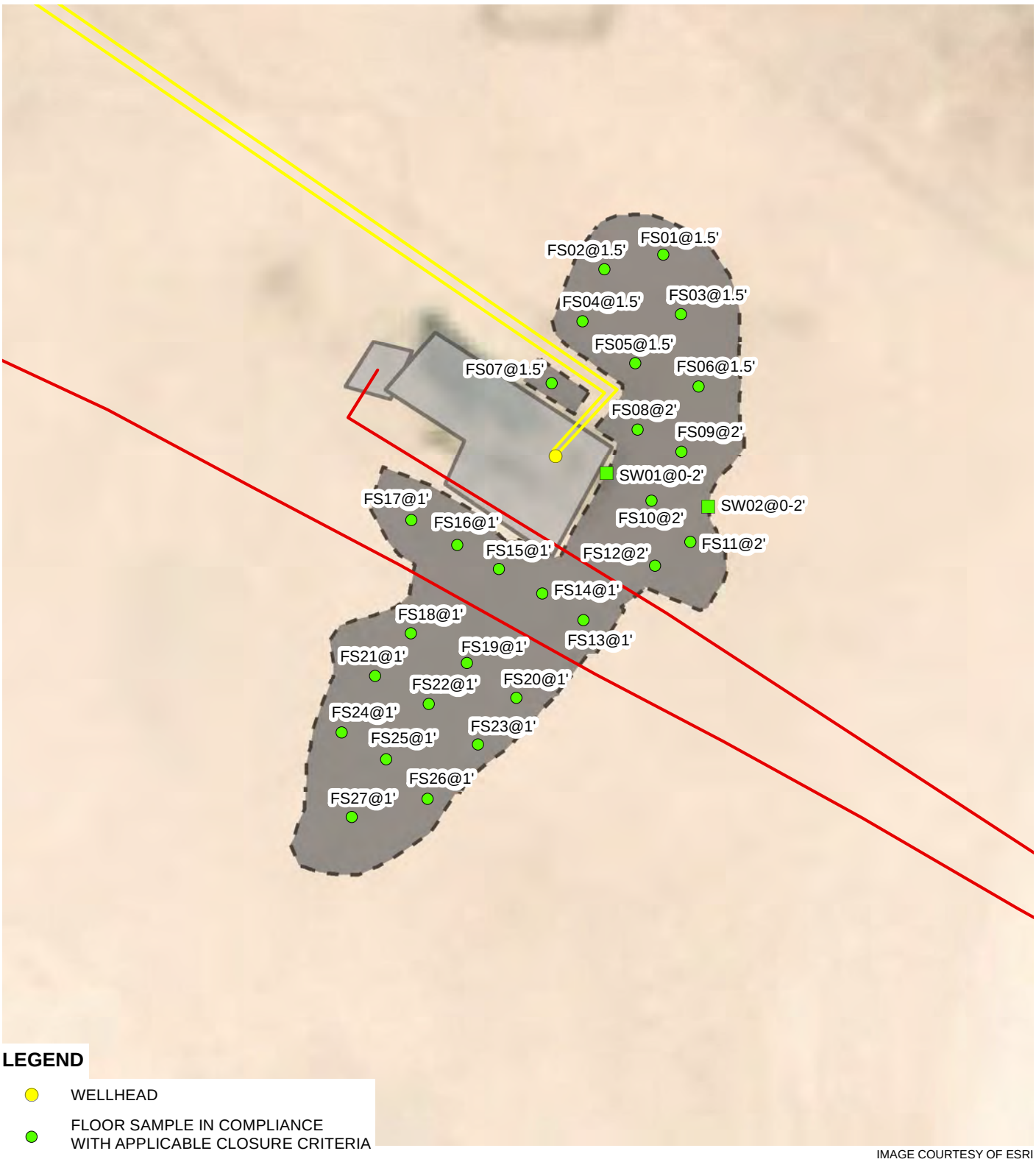

FIGURE 4
EXCAVATION SOIL SAMPLE LOCATIONS
BURTON 35 001
UNIT A SEC 35 T25S R33E
LEA COUNTY, NEW MEXICO
CONCHO OPERATING

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TABLES

Table 1

Soil Analytical Results
Burton 35 001
Incident Number NAPP2036146879
Lea 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)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
Surface Samples										
SS01	02/04/2021	0-0.5	<0.0182	1.01	106	1,310	125	**1,416**	1,540	1,950
SS02	02/04/2021	0-0.5	<0.200	15.1	542	2,090	682	**2,632**	**3,310**	1,040
SS04	02/04/2021	0-0.5	<0.400	**117**	2,730	7,900	790	**10,630**	**11,400**	6,600
Delineation Samples										
PH01	01/25/2021	1	<0.00490	0.595	103	374	<50.0	477	477	199
PH01A	01/25/2021	2	<0.00201	0.0667	<50.0	<50.0	<50.0	<50.0	<50.0	295
PH01B	01/25/2021	3.5	<0.00200	0.0324	<49.9	<49.9	<49.9	<49.9	<49.9	164
PH01C	01/25/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	347
PH02	01/25/2021	1	<0.00199	0.0548	<49.9	<49.9	<49.9	<49.9	<49.9	581
PH02A	01/25/2021	2	<0.00200	0.0186	<49.8	<49.8	<49.8	<49.8	<49.8	514
PH02B	01/25/2021	3	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	681
PH02C	01/25/2021	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	5,330
PH03	01/25/2021	1	3.05	**177**	5,280	6,950	391	**12,230**	**12,600**	9,380
PH03A	01/25/2021	2	<0.00198	0.0726	<50.0	<50.0	50.7	<50.0	50.7	1,640
PH03B	01/25/2021	3	<0.00200	0.0180	<50.0	<50.0	<50.0	<50.0	<50.0	572
PH03C	01/25/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	31.0
PH04	01/25/2021	1	0.00971	0.270	<50.0	64.8	<50.0	64.8	64.8	135
PH04A	01/25/2021	2	<0.00202	0.0504	<49.9	<49.9	<49.9	<49.9	<49.9	73.3
PH04B	01/25/2021	3	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	172
PH04C	01/25/2021	4	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	662

Table 1

Soil Analytical Results
Burton 35 001
Incident Number NAPP2036146879
Lea 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)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
Excavation Samples										
FS01	03/23/2021	1.5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	644
FS02	03/23/2021	1.5	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	264
FS03	03/23/2021	1.5	<0.00198	<0.00198	<49.9	139	<49.9	139	139	1,070
FS04	03/23/2021	1.5	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	298
FS05	03/23/2021	1.5	<0.00202	<0.00202	69.4	<50.0	<50.0	<50.0	69.4	168
FS06	03/23/2021	1.5	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	768
FS07	03/23/2021	1.5	<0.00199	0.0303	<49.8	138	<49.8	138	138	481
FS08	03/23/2021	2	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	1,000
FS09	03/23/2021	2	<0.00200	<0.00200	73.5	<49.8	<49.8	<49.8	73.5	672
FS10	03/23/2021	2	<0.00202	<0.00202	<49.9	92.9	<49.9	92.9	92.9	760
FS11	03/23/2021	2	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	502
FS12	03/25/2021	2	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	458
FS13	03/25/2021	1	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	660
FS14	03/25/2021	1	<0.00200	0.0320	<50.0	<50.0	<50.0	<50.0	<50.0	162
FS15	03/25/2021	1	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	962
FS16	03/25/2021	1	0.00369	0.0531	<50.0	<50.0	<50.0	<50.0	<50.0	250
FS17	03/25/2021	1	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	289
FS18	03/25/2021	1	0.0118	0.152	<49.9	<49.9	<49.9	<49.9	<49.9	1,240
FS19	03/25/2021	1	<0.00202	0.00839	<50.0	56.8	<50.0	56.8	56.8	1,080
FS20	03/25/2021	1	<0.00198	0.0757	<0.0132	0.0391	<0.0132	0.0391	0.0391	821

Table 1

Soil Analytical Results
Burton 35 001
Incident Number NAPP2036146879
Lea 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)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
FS21	03/25/2021	1	0.0194	0.133	<49.8	214	<49.8	214	214	170
FS22	03/25/2021	1	<0.00198	0.0263	<50.0	529	<50.0	529	529	395
FS23	03/25/2021	1	<0.00199	<0.00199	<49.9	118	<49.9	118	118	266
FS24	03/25/2021	1	<0.00200	<0.00200	89.2	686	<49.9	775.2	775.2	741
FS25	03/25/2021	1	<0.00202	0.00234	<50.1	63.2	<50.1	63.2	63.2	586
FS26	03/25/2021	1	<0.00202	<0.00202	<50.0	55.4	<50.0	55.4	55.4	471
FS27	03/25/2021	1	0.0187	0.0243	<49.9	<49.9	<49.9	<49.9	<49.9	881
Sidewall Samples										
SW01	03/25/2021	0-2	0.0109	0.0174	<50.0	<50.0	<50.0	<50.0	<50.0	2,760
SW02	03/25/2021	0-2	0.00247	0.00604	<50.0	<50.0	<50.0	<50.0	<50.0	613

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
Text impacted soil was removed

ATTACHMENT 1: REFERENCED WELL RECORD

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	Twn	Rng	X	Y
	C 02313	2	3	3	26	25S	33E	636971	3552098*

x

Driller License:		**Driller Company:**			
Driller Name:	UNKNOWN				
Drill Start Date:	01/01/1925	**Drill Finish Date:**	06/30/1925	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	60 GPM
Casing Size:	6.88	**Depth Well:**	150 feet	**Depth Water:**	110 feet

x

***UTM location was derived from PLSS - see Help**

ATTACHMENT 2: LITHOLOIGC/SAMPLING LOG

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH01	Date: 1/25/2021
Site Name: Burton 35 001	
RP or Incident Number: NAPP2036146879	
LTE Job Number: 31402909.020	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By WM	Method: Backhoe		
Lat/Long: 32.0922336, -103.5369034	Field Screening: Chloride, PID	Hole Diameter: 3.5'	Total Depth: 4'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m	<168	452	y	PH01		1	CCHE	0' - 0.5' bgs CALICHE, Moderate consolidation, sandy, some silt, tan, hydrocarbon staining, odor, moist
m	212	29.4	n	PH01A		2	SW-SM	0.5' - 4' SAND, larg grain, well graded, little silt, brown/red, no staining, odor, moist
						3		
m	296	5.1	n	PH01B				
m	212	6.9	n	PH01C		4		
						5		Total depth 4' bgs
						6		
						7		
						8		
						9		
						10		
						11		
						12		
						13		
						14		
						15		
						16		
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						21		
						22		
						23		
						24		
						25		

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH02	Date: 1/25/2021
Site Name: Burton 35 001	
RP or Incident Number: NAPP2036146879	
LTE Job Number: 31402909.020	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By WM	Method: Backhoe		
Lat/Long: 32.0923313, -103.5368156	Field Screening: Chloride, PID	Hole Diameter: 3.5'	Total Depth: 4'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m	492	31.2	y	PH02		1	CCHE	0' - 0.5' bgs CALICHE, Moderate consolidation, sandy, some silt, tan, hydrocarbon staining, odor, moist
m	492	24.2	n	PH02A		2	SW-SM	0.5' - 4' SAND, larg grain, well graded, little silt, brown/red, no staining, odor, moist
m	492	8.4	n	PH02B		3		
m	1876	4.5	n	PH02C		4		
						5		Total depth 4' bgs
						6		
						7		
						8		
						9		
						10		
						11		
						12		
						13		
						14		
						15		
						16		
						17		
						18		
						19		
						20		
						21		
						22		
						23		
						24		
						25		

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH03	Date: 1/25/2021
Site Name: Burton 35 001	
RP or Incident Number: NAPP2036146879	
LTE Job Number: 31402909.020	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By WM	Method: Backhoe		
Lat/Long: 32.0924176, -103.5366614	Field Screening: Chloride, PID	Hole Diameter: 3.5'	Total Depth: 4'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m	2464	732	y	PH03		1	CCHE	0' - 0.5' bgs CALICHE, Moderate consolidation, sandy, some silt, tan, hydrocarbon staining, odor, moist
m	677	46.2	n	PH03A		2	SW-SM	0.5' - 4' SAND, larg grain, well graded, little silt, brown/red, no staining, odor, moist
m	744	25.9	n	PH03B		3		
m	<168	10.2	n	PH03C		4		
						5		Total depth 4' bgs
						6		
						7		
						8		
						9		
						10		
						11		
						12		
						13		
						14		
						15		
						16		
						17		
						18		
						19		
						20		
						21		
						22		
						23		
						24		
						25		

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH04	Date: 1/25/2021
Site Name: Burton 35 001	
RP or Incident Number: NAPP2036146879	
LTE Job Number: 31402909.020	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By WM	Method: Backhoe		
Lat/Long: 32.0924176, -103.5366614	Field Screening: Chloride, PID	Hole Diameter: 3.5'	Total Depth: 4'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
m	<168	359	y	PH04		1	CCHE	0' - 0.5' bgs CALICHE, Moderate consolidation, sandy, some silt, tan, hydrocarbon staining, odor, moist
m	<168	23.8	n	PH04A		2	SW-SM	0.5' - 4' SAND, larg grain, well graded, little silt, brown/red, no staining, odor, moist
m	<168	15.6	n	PH04B		3		
m	812	17.4	n	PH04C		4		
						5		Total depth 4' bgs
						6		
						7		
						8		
						9		
						10		
						11		
						12		
						13		
						14		
						15		
						16		
						17		
						18		
						19		
						20		
						21		
						22		
						23		
						24		
						25		

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
Concho Operating	**Burton 35 001** **Lea County, New Mexico**	NAPP2036146879

Photo No.	**Date**
1	January 20, 2021

View of release extent facing north.

Photo No.	**Date**
2	January 20, 2021

View of release extent facing northwest.

PHOTOGRAPHIC LOG		
Concho Operating	**Burton 35 001** **Lea County, New Mexico**	NAPP2036146879

Photo No.	**Date**
3	January 20, 2021

View of release extent facing south.

Photo No.	**Date**
4	January 25, 2021

View of delineation (PH03) facing west.

PHOTOGRAPHIC LOG		
Concho Operating	**Burton 35 001** **Lea County, New Mexico**	NAPP2036146879

Photo No.	**Date**
5	January 25, 2021

View of delineation (PH04) facing north.

Photo No.	**Date**
6	March 23, 2021

View of excavator excavating area near PH03, facing north.

PHOTOGRAPHIC LOG		
Concho Operating	Burton 35 001 Lea County, New Mexico	NAPP2036146879

Photo No.	Date
7	March 25, 2021

View of excavation extent facing north.

Photo No.	Date
8	March 25, 2021

View of excavation extent facing southeast.

PHOTOGRAPHIC LOG		
Concho Operating	Burton 35 001 Lea County, New Mexico	NAPP2036146879

Photo No.	Date
9	March 25, 2021

View of excavation extent facing north.

Photo No.	Date
10	March 25, 2021

View of excavation extent facing south.

PHOTOGRAPHIC LOG		
Concho Operating	**Burton 35 001** **Lea County, New Mexico**	NAPP2036146879

Photo No.	**Date**
11	April 21, 2021

View of backfill facing north.

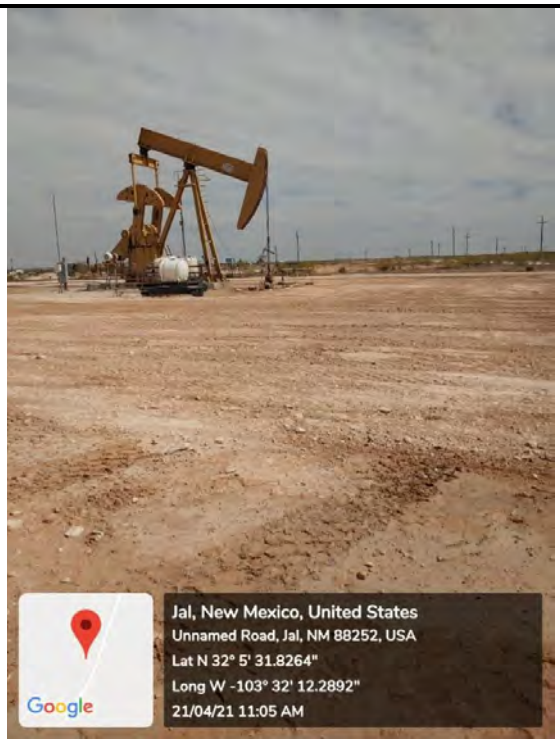
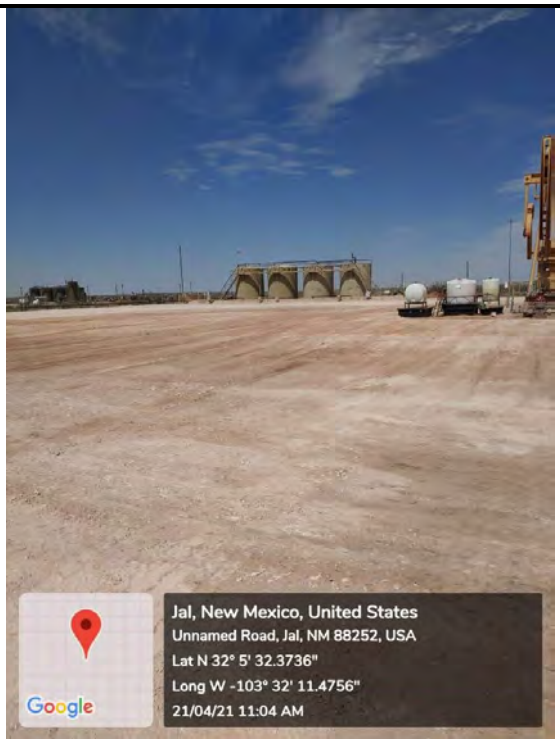


Photo No.	**Date**
12	April 21, 2021

View of backfill facing west.



ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-169-1
Laboratory Sample Delivery Group: 31402909.02
Client Project/Site: Burton 35

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
2/19/2021 4:59:06 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Burton 35

Laboratory Job ID: 890-169-1
SDG: 31402909.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Job ID: 890-169-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-169-1

Receipt
The samples were received on 2/9/2021 2:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC 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.

Subcontract Lab non-Sister Lab
See attached subcontract report.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Client Sample ID: SS01

Date Collected: 02/04/21 09:36
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
Ethylbenzene	**0.251**		0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
Toluene	**0.0672**		0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
Total BTEX	**1.01**		0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
Xylenes, Total	**0.695**		0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
m,p-Xylenes	**0.537**		0.0364		mg/Kg		02/11/21 16:38	02/12/21 04:38	1
o-Xylene	**0.158**		0.0182		mg/Kg		02/11/21 16:38	02/12/21 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*94*		*70 - 130*	*02/11/21 16:38*	*02/12/21 04:38*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*02/11/21 16:38*	*02/12/21 04:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1950**		199		mg/Kg			02/11/21 02:25	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	**1310**		50.0		mg/kg		02/10/21 17:00	02/11/21 04:30	1
Gasoline Range Hydrocarbons (GRO)	**106**		50.0		mg/kg		02/10/21 17:00	02/11/21 04:30	1
Motor Oil Range Hydrocarbons (MRO)	**125**		50.0		mg/kg		02/10/21 17:00	02/11/21 04:30	1
Total TPH	**1540**		50.0		mg/kg		02/10/21 17:00	02/11/21 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 135*	*02/10/21 17:00*	*02/11/21 04:30*	*1*
o-Terphenyl	*136*		*70 - 135*	*02/10/21 17:00*	*02/11/21 04:30*	*1*

Client Sample ID: SS02

Date Collected: 02/04/21 09:38
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U	0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
Ethylbenzene	**1.98**		0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
Toluene	**1.52**		0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
Total BTEX	**15.1**		0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
Xylenes, Total	**11.6**		0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
m,p-Xylenes	**7.67**		0.399		mg/Kg		02/12/21 08:56	02/16/21 17:44	100
o-Xylene	**3.89**		0.200		mg/Kg		02/12/21 08:56	02/16/21 17:44	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*99*		*70 - 130*	*02/12/21 08:56*	*02/16/21 17:44*	*100*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/12/21 08:56*	*02/16/21 17:44*	*100*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		198		mg/Kg			02/11/21 02:31	20

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Client Sample ID: SS02
Date Collected: 02/04/21 09:38
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-2
Matrix: Solid

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2090		49.9		mg/kg		02/10/21 17:00	02/11/21 04:52	1
Gasoline Range Hydrocarbons (GRO)	542		49.9		mg/kg		02/10/21 17:00	02/11/21 04:52	1
Motor Oil Range Hydrocarbons (MRO)	682		49.9		mg/kg		02/10/21 17:00	02/11/21 04:52	1
Total TPH	3310		49.9		mg/kg		02/10/21 17:00	02/11/21 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 135*	*02/10/21 17:00*	*02/11/21 04:52*	*1*
o-Terphenyl	*127*		*70 - 135*	*02/10/21 17:00*	*02/11/21 04:52*	*1*

Client Sample ID: SS04
Date Collected: 02/04/21 09:43
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.400	U	0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
Ethylbenzene	12.8		0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
Toluene	17.8		0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
Total BTEX	117		0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
Xylenes, Total	86.3		0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
m,p-Xylenes	68.0		0.800		mg/Kg		02/12/21 08:56	02/17/21 16:26	200
o-Xylene	18.3		0.400		mg/Kg		02/12/21 08:56	02/17/21 16:26	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*94*		*70 - 130*	*02/12/21 08:56*	*02/17/21 16:26*	*200*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/12/21 08:56*	*02/17/21 16:26*	*200*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6600		198		mg/Kg			02/11/21 02:37	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	7900		50.0		mg/kg		02/10/21 17:00	02/11/21 05:13	1
Gasoline Range Hydrocarbons (GRO)	2730		50.0		mg/kg		02/10/21 17:00	02/11/21 05:13	1
Motor Oil Range Hydrocarbons (MRO)	790		50.0		mg/kg		02/10/21 17:00	02/11/21 05:13	1
Total TPH	11400		50.0		mg/kg		02/10/21 17:00	02/11/21 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 135*	*02/10/21 17:00*	*02/11/21 05:13*	*1*
o-Terphenyl	*222*		*70 - 135*	*02/10/21 17:00*	*02/11/21 05:13*	*1*

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
890-168-A-23-E MS	Matrix Spike	99	87
890-168-A-23-F MSD	Matrix Spike Duplicate	98	83
890-169-1	SS01	94	89
890-169-2	SS02	99	87
890-169-3	SS04	94	77
890-209-A-49-C MS	Matrix Spike	100	91
890-209-A-49-D MSD	Matrix Spike Duplicate	99	92
LCS 890-253/2-A	Lab Control Sample	98	83
LCS 890-258/2-A	Lab Control Sample	99	89
LCS 890-278/2-A	Lab Control Sample	100	85
LCSD 890-253/3-A	Lab Control Sample Dup	99	85
LCSD 890-258/3-A	Lab Control Sample Dup	97	88
LCSD 890-278/3-A	Lab Control Sample Dup	97	83
MB 890-253/1-A	Method Blank	103	87
MB 890-258/1-A	Method Blank	101	97
MB 890-278/1-A	Method Blank	106	88

Surrogate Legend

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

Method: TPH SW8015_MOD - SW846 8015B DRO

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-169-1	SS01	109	136
890-169-2	SS02	115	127
890-169-3	SS04	126	222

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-253/1-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/11/21 16:38	02/11/21 23:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/21 16:38	02/11/21 23:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*103*		*70 - 130*	*02/11/21 16:38*	*02/11/21 23:25*	*1*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/11/21 16:38*	*02/11/21 23:25*	*1*

Lab Sample ID: LCS 890-253/2-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09809		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09631		mg/Kg		96	71 - 129
Toluene	0.100	0.09946		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.1891		mg/Kg		95	70 - 135
o-Xylene	0.100	0.09614		mg/Kg		96	71 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 890-253/3-A
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	3	35
Ethylbenzene	0.100	0.09747		mg/Kg		97	71 - 129	1	35
Toluene	0.100	0.1015		mg/Kg		101	70 - 130	2	35
m,p-Xylenes	0.200	0.1883		mg/Kg		94	70 - 135	0	35
o-Xylene	0.100	0.09731		mg/Kg		97	71 - 133	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: 890-168-A-23-E MS
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.0182	U	0.893	0.8621		mg/Kg		96	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

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

Lab Sample ID: 890-168-A-23-E MS
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.0182	U	0.893	0.8315		mg/Kg		93	71 - 129
Toluene	<0.0182	U	0.893	0.8707		mg/Kg		98	70 - 130
m,p-Xylenes	<0.0364	U	1.79	1.626		mg/Kg		91	70 - 135
o-Xylene	<0.0182	U	0.893	0.8306		mg/Kg		92	71 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-168-A-23-F MSD
Matrix: Solid
Analysis Batch: 234

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.0182	U	0.962	0.9516		mg/Kg		98	70 - 130	10	35
Ethylbenzene	<0.0182	U	0.962	0.9222		mg/Kg		96	71 - 129	10	35
Toluene	<0.0182	U	0.962	0.9529		mg/Kg		99	70 - 130	9	35
m,p-Xylenes	<0.0364	U	1.92	1.800		mg/Kg		94	70 - 135	10	35
o-Xylene	<0.0182	U	0.962	0.9226		mg/Kg		95	71 - 133	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: MB 890-258/1-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/12/21 08:56	02/16/21 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/21 08:56	02/16/21 14:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*101*		*70 - 130*	*02/12/21 08:56*	*02/16/21 14:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/12/21 08:56*	*02/16/21 14:00*	*1*

Lab Sample ID: LCS 890-258/2-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08349		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.09199		mg/Kg		92	71 - 129

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

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

Lab Sample ID: LCS 890-258/2-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09361		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1821		mg/Kg		91	70 - 135
o-Xylene	0.100	0.09134		mg/Kg		91	71 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 890-258/3-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 258

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08513		mg/Kg		85	70 - 130	2	35
Ethylbenzene	0.100	0.09410		mg/Kg		94	71 - 129	2	35
Toluene	0.100	0.09548		mg/Kg		95	70 - 130	2	35
m,p-Xylenes	0.200	0.1877		mg/Kg		94	70 - 135	3	35
o-Xylene	0.100	0.09434		mg/Kg		94	71 - 133	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 890-278/1-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/21 11:20	02/17/21 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/21 11:20	02/17/21 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*106*		*70 - 130*	*02/16/21 11:20*	*02/17/21 13:04*	*1*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/16/21 11:20*	*02/17/21 13:04*	*1*

Lab Sample ID: LCS 890-278/2-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09183		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08875		mg/Kg		89	71 - 129
Toluene	0.100	0.09328		mg/Kg		93	70 - 130

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

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

Lab Sample ID: LCS 890-278/2-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylenes			0.200	0.1716		mg/Kg		86	70 - 135		
o-Xylene			0.100	0.08770		mg/Kg		88	71 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 890-278/3-A
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08639		mg/Kg		86	70 - 130	6	35
Ethylbenzene			0.100	0.08990		mg/Kg		90	71 - 129	1	35
Toluene			0.100	0.09256		mg/Kg		93	70 - 130	1	35
m,p-Xylenes			0.200	0.1739		mg/Kg		87	70 - 135	1	35
o-Xylene			0.100	0.08867		mg/Kg		89	71 - 133	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 890-209-A-49-C MS
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.0196	U	0.909	0.9539		mg/Kg		105	70 - 130		
Ethylbenzene	<0.0196	U	0.909	0.9943		mg/Kg		109	71 - 129		
Toluene	<0.0196	U	0.909	0.9836		mg/Kg		108	70 - 130		
m,p-Xylenes	<0.0392	U	1.82	1.858		mg/Kg		102	70 - 135		
o-Xylene	<0.0196	U	0.909	0.9317		mg/Kg		102	71 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-209-A-49-D MSD
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.0196	U	0.980	1.009		mg/Kg		103	70 - 130	6	35
Ethylbenzene	<0.0196	U	0.980	1.078		mg/Kg		110	71 - 129	8	35
Toluene	<0.0196	U	0.980	1.046		mg/Kg		107	70 - 130	6	35
m,p-Xylenes	<0.0392	U	1.96	2.007		mg/Kg		102	70 - 135	8	35
o-Xylene	<0.0196	U	0.980	1.002		mg/Kg		102	71 - 133	7	35

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

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

Lab Sample ID: 890-209-A-49-D MSD
Matrix: Solid
Analysis Batch: 279

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 278

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-228/1-A
Matrix: Solid
Analysis Batch: 239

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/21 01:00	1

Lab Sample ID: LCS 890-228/2-A
Matrix: Solid
Analysis Batch: 239

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			500	526.8		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 890-228/3-A
Matrix: Solid
Analysis Batch: 239

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			500	524.8		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-169-3 MS
Matrix: Solid
Analysis Batch: 239

Client Sample ID: SS04
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	6600		500	6839	4	mg/Kg		47	90 - 110		

Lab Sample ID: 890-169-3 MSD
Matrix: Solid
Analysis Batch: 239

Client Sample ID: SS04
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6600		501	6927	4	mg/Kg		64	90 - 110	1	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Lab Sample ID: 7721298-1-BLK
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1
Gasoline Range Hydrocarbons (GRO)	ND		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1
Motor Oil Range Hydrocarbons (MRO)	ND		50		mg/kg		02/10/21 17:00	02/10/21 22:10	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Method: TPH SW8015_MOD - SW846 8015B DRO (Continued)

Lab Sample ID: 7721298-1-BKS
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)			1000	953		mg/kg		95	70 - 135		
Gasoline Range Hydrocarbons (GRO)			1000	945		mg/kg		95	70 - 135		

Lab Sample ID: 7721298-1-BSD
Matrix: SOIL
Analysis Batch: 3150748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3150748_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)			1000	975		mg/kg		98	70 - 135	2	20
Gasoline Range Hydrocarbons (GRO)			1000	932		mg/kg		93	70 - 135	1	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

GC VOA

Analysis Batch: 234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Total/NA	Solid	8021B	253
MB 890-253/1-A	Method Blank	Total/NA	Solid	8021B	253
LCS 890-253/2-A	Lab Control Sample	Total/NA	Solid	8021B	253
LCSD 890-253/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	253
890-168-A-23-E MS	Matrix Spike	Total/NA	Solid	8021B	253
890-168-A-23-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	253

Prep Batch: 253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Total/NA	Solid	5035	
MB 890-253/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-253/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-253/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-168-A-23-E MS	Matrix Spike	Total/NA	Solid	5035	
890-168-A-23-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-2	SS02	Total/NA	Solid	5035	
890-169-3	SS04	Total/NA	Solid	5035	
MB 890-258/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-258/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-258/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 890-278/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-278/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-278/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-209-A-49-C MS	Matrix Spike	Total/NA	Solid	5035	
890-209-A-49-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-2	SS02	Total/NA	Solid	8021B	258
890-169-3	SS04	Total/NA	Solid	8021B	258
MB 890-258/1-A	Method Blank	Total/NA	Solid	8021B	258
MB 890-278/1-A	Method Blank	Total/NA	Solid	8021B	278
LCS 890-258/2-A	Lab Control Sample	Total/NA	Solid	8021B	258
LCS 890-278/2-A	Lab Control Sample	Total/NA	Solid	8021B	278
LCSD 890-258/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	258
LCSD 890-278/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	278
890-209-A-49-C MS	Matrix Spike	Total/NA	Solid	8021B	278
890-209-A-49-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	278

HPLC/IC

Leach Batch: 228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Soluble	Solid	DI Leach	
890-169-2	SS02	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

HPLC/IC (Continued)

Leach Batch: 228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-3	SS04	Soluble	Solid	DI Leach	
MB 890-228/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-228/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-228/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-169-3 MS	SS04	Soluble	Solid	DI Leach	
890-169-3 MSD	SS04	Soluble	Solid	DI Leach	

Analysis Batch: 239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Soluble	Solid	300.0	228
890-169-2	SS02	Soluble	Solid	300.0	228
890-169-3	SS04	Soluble	Solid	300.0	228
MB 890-228/1-A	Method Blank	Soluble	Solid	300.0	228
LCS 890-228/2-A	Lab Control Sample	Soluble	Solid	300.0	228
LCSD 890-228/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	228
890-169-3 MS	SS04	Soluble	Solid	300.0	228
890-169-3 MSD	SS04	Soluble	Solid	300.0	228

Subcontract

Analysis Batch: 3150748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Total/NA	Solid	TPH SW8015_MOD	3150748_P
890-169-2	SS02	Total/NA	Solid	TPH SW8015_MOD	3150748_P
890-169-3	SS04	Total/NA	Solid	TPH SW8015_MOD	3150748_P
7721298-1-BLK	Method Blank	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
7721298-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH SW8015_MOD	3150748_P
7721298-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH SW8015_MOD	3150748_P

Prep Batch: 3150748_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-169-1	SS01	Total/NA	Solid	SW8015P	
890-169-2	SS02	Total/NA	Solid	SW8015P	
890-169-3	SS04	Total/NA	Solid	SW8015P	
7721298-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721298-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721298-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Client Sample ID: SS01
Date Collected: 02/04/21 09:36
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			253	02/11/21 16:38	MC	XC
Total/NA	Analysis	8021B		1	234	02/12/21 04:38	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 02:25	A1S	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 04:30	ARM	XM

Client Sample ID: SS02
Date Collected: 02/04/21 09:38
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			258	02/12/21 08:56	MC	XC
Total/NA	Analysis	8021B		100	279	02/16/21 17:44	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 02:31	A1S	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 04:52	ARM	XM

Client Sample ID: SS04
Date Collected: 02/04/21 09:43
Date Received: 02/09/21 14:52

Lab Sample ID: 890-169-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			258	02/12/21 08:56	MC	XC
Total/NA	Analysis	8021B		200	279	02/17/21 16:26	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 02:37	A1S	XC
Total/NA	Prep	SW8015P		1	3150748_P	02/10/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150748	02/11/21 05:13	ARM	XM

Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Laboratory: Eurofins Xenco, Carlsbad

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	05092	06-30-21

Laboratory: Eurofins Xenco, Midland

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

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

Method Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
8015B	SW846 8015B DRO	SW846	XM
5035	Closed System Purge and Trap	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

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:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Burton 35

Job ID: 890-169-1
SDG: 31402909.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-169-1	SS01	Solid	02/04/21 09:36	02/09/21 14:52	
890-169-2	SS02	Solid	02/04/21 09:38	02/09/21 14:52	
890-169-3	SS04	Solid	02/04/21 09:43	02/09/21 14:52	

Chain of Custody

XENCO LABORATORIES

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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35	Turn Around	
Project Number:	31402909.02	Routine	✓
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	20/1.8	Thermometer ID		
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS01	s	2/4/2021	9:36	0.5'	1	x	x	x	Discrete
SS02	s	2/4/2021	9:38	0.5'	1	x	x	x	Discrete
SS04	s	2/4/2021	9:43	0.5'	1	x	x	x	Discrete

ANALYSIS REQUEST

890-169 Chain of Custody

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2.9.21 1412	2		
3				4		
5				6		

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-169-1
SDG Number: 31402909.02

Login Number: 169
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

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Certificate of Analysis Summary 685933

WSP USA, Dallas, TX

Project Name: Burton 35

Project Id: 31402909.02
Contact: Kalei Jennings
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 15:15
Report Date: 01.29.2021 16:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685933-001		685933-002		685933-003		685933-004		685933-005		685933-006	
	Field Id:	PH01		PH01 A		PH01 B		PH01 C		PH02		PH02 A	
	Depth:	1- ft		2- ft		3.5- ft		4- ft		1- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 09:31		01.25.2021 09:34		01.25.2021 09:38		01.25.2021 09:40		01.25.2021 10:17		01.25.2021 10:21	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47	
	Analyzed:	01.27.2021 19:06		01.27.2021 19:28		01.27.2021 19:51		01.27.2021 20:13		01.27.2021 20:35		01.27.2021 20:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00490	0.00490	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		0.104	0.0196	0.0121	0.00201	0.0129	0.00200	<0.00200	0.00200	0.0122	0.00199	<0.00200	0.00200
Ethylbenzene		0.111	0.0196	0.0191	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		0.240	0.0392	0.0243	0.00402	0.0195	0.00401	<0.00399	0.00399	0.0291	0.00398	0.0186	0.00401
o-Xylene		0.140	0.0196	0.0112	0.00201	<0.00200	0.00200	<0.00200	0.00200	0.0135	0.00199	<0.00200	0.00200
Total Xylenes		0.380	0.0196	0.0355	0.00201	0.0195	0.00200	<0.00200	0.00200	0.0426	0.00199	0.0186	0.00200
Total BTEX		0.595	0.00490	0.0667	0.00201	0.0324	0.00200	<0.00200	0.00200	0.0548	0.00199	0.0186	0.00200
Chloride by EPA 300	***Extracted:***	01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35	
	Analyzed:	01.26.2021 11:57		01.26.2021 12:14		01.26.2021 12:20		01.26.2021 12:25		01.26.2021 12:31		01.26.2021 12:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		199	49.6	295	49.6	164	49.9	347	50.4	581	50.1	514	50.2
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.27.2021 23:40		01.28.2021 00:43		01.28.2021 01:04		01.28.2021 01:25		01.28.2021 01:47		01.28.2021 02:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		103	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		374	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		477	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

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

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Certificate of Analysis Summary 685933

WSP USA, Dallas, TX

Project Name: Burton 35

Project Id: 31402909.02
Contact: Kalei Jennings
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 15:15
Report Date: 01.29.2021 16:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685933-007		685933-008		685933-009		685933-010		685933-011		685933-012	
	Field Id:	PH02 B		PH02 C		PH03		PH03 A		PH03 B		PH03 C	
	Depth:	3- ft		4- ft		1- ft		2- ft		3- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 10:25		01.25.2021 10:28		01.25.2021 10:49		01.25.2021 10:52		01.25.2021 10:55		01.25.2021 10:58	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47	
	Analyzed:	01.27.2021 21:20		01.27.2021 21:43		01.27.2021 22:05		01.27.2021 23:00		01.28.2021 00:17		01.28.2021 00:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	3.05	0.499	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00199	0.00199	34.7	0.499	0.0114	0.00198	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	17.1	0.499	0.0111	0.00198	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00398	0.00398	94.7	0.998	0.0354	0.00397	0.0180	0.00399	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00199	0.00199	27.3	0.499	0.0147	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00199	0.00199	122	0.499	0.0501	0.00198	0.0180	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00199	0.00199	177	0.499	0.0726	0.00198	0.0180	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35	
	Analyzed:	01.26.2021 12:54		01.26.2021 12:59		01.26.2021 13:05		01.26.2021 13:11		01.26.2021 13:16		01.26.2021 13:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		681	50.4	5330	99.2	9380	99.8	1640	99.6	572	49.6	31.0	10.0
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 02:30		01.28.2021 02:51		01.28.2021 03:13		01.28.2021 03:34		01.28.2021 04:17		01.28.2021 04:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	5280	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	6950	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	391	49.9	50.7	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	12600	49.9	50.7	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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

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Certificate of Analysis Summary 685933

WSP USA, Dallas, TX

Project Name: Burton 35

Project Id: 31402909.02
Contact: Kalei Jennings
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 15:15
Report Date: 01.29.2021 16:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685933-013		685933-014		685933-015		685933-016					
	Field Id:	PH04		PH04 A		PH04 B		PH04 C					
	Depth:	1- ft		2- ft		3- ft		4- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.25.2021 11:17		01.25.2021 11:19		01.25.2021 11:23		01.25.2021 11:26					
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47		01.26.2021 19:47					
	Analyzed:	01.28.2021 01:02		01.28.2021 01:25		01.28.2021 01:47		01.28.2021 02:09					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		0.00971	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198				
Toluene		0.0433	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198				
Ethylbenzene		0.0418	0.00198	0.0208	0.00202	<0.00200	0.00200	<0.00198	0.00198				
m,p-Xylenes		0.104	0.00397	0.0197	0.00403	<0.00399	0.00399	<0.00397	0.00397				
o-Xylene		0.0715	0.00198	0.00986	0.00202	<0.00200	0.00200	<0.00198	0.00198				
Total Xylenes		0.176	0.00198	0.0296	0.00202	<0.00200	0.00200	<0.00198	0.00198				
Total BTEX		0.270	0.00198	0.0504	0.00202	<0.00200	0.00200	<0.00198	0.00198				
Chloride by EPA 300	***Extracted:***	01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35		01.26.2021 08:35					
	Analyzed:	01.26.2021 13:50		01.26.2021 13:56		01.26.2021 14:02		01.26.2021 14:07					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		135	10.0	73.3	10.0	172	9.98	662	49.8				
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00					
	Analyzed:	01.28.2021 05:02		01.28.2021 05:23		01.28.2021 05:45		01.28.2021 06:34					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8				
Diesel Range Organics (DRO)		64.8	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8				
Total TPH		64.8	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8				

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 685933

for

WSP USA

Project Manager: Kalei Jennings

Burton 35

31402909.02

01.29.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

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

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

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

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01.29.2021

Project Manager: **Kalei Jennings**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **685933**
Burton 35
Project Address: Lea

Kalei Jennings:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685933. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685933 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 685933

WSP USA, Dallas, TX

Burton 35

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
PH01	S	01.25.2021 09:31	1 ft	685933-001
PH01 A	S	01.25.2021 09:34	2 ft	685933-002
PH01 B	S	01.25.2021 09:38	3.5 ft	685933-003
PH01 C	S	01.25.2021 09:40	4 ft	685933-004
PH02	S	01.25.2021 10:17	1 ft	685933-005
PH02 A	S	01.25.2021 10:21	2 ft	685933-006
PH02 B	S	01.25.2021 10:25	3 ft	685933-007
PH02 C	S	01.25.2021 10:28	4 ft	685933-008
PH03	S	01.25.2021 10:49	1 ft	685933-009
PH03 A	S	01.25.2021 10:52	2 ft	685933-010
PH03 B	S	01.25.2021 10:55	3 ft	685933-011
PH03 C	S	01.25.2021 10:58	4 ft	685933-012
PH04	S	01.25.2021 11:17	1 ft	685933-013
PH04 A	S	01.25.2021 11:19	2 ft	685933-014
PH04 B	S	01.25.2021 11:23	3 ft	685933-015
PH04 C	S	01.25.2021 11:26	4 ft	685933-016

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CASE NARRATIVE

Client Name: WSP USA

Project Name: Burton 35

Project ID: *31402909.02*
Work Order Number(s): *685933*

Report Date: *01.29.2021*
Date Received: *01.25.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149365 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 685933-009.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 685933-009.

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id: **PH01** Matrix: Soil Date Received:01.25.2021 15:15

Lab Sample Id: 685933-001 Date Collected: 01.25.2021 09:31 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:

Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**199**	49.6	mg/kg	01.26.2021 11:57		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149365 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**103**	50.0	mg/kg	01.27.2021 23:40		1
Diesel Range Organics (DRO)	C10C28DRO	**374**	50.0	mg/kg	01.27.2021 23:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1
Total TPH	PHC635	**477**	50.0	mg/kg	01.27.2021 23:40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	01.27.2021 23:40	
o-Terphenyl	84-15-1	126	%	70-130	01.27.2021 23:40	

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Burton 35

Sample Id:	**PH01**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-001	Date Collected:	01.25.2021 09:31	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00490	0.00490	mg/kg	01.27.2021 19:06	U	1
Toluene	108-88-3	**0.104**	0.0196	mg/kg	01.27.2021 19:06		1
Ethylbenzene	100-41-4	**0.111**	0.0196	mg/kg	01.27.2021 19:06		1
m,p-Xylenes	179601-23-1	**0.240**	0.0392	mg/kg	01.27.2021 19:06		1
o-Xylene	95-47-6	**0.140**	0.0196	mg/kg	01.27.2021 19:06		1
Total Xylenes	1330-20-7	**0.380**	0.0196	mg/kg	01.27.2021 19:06		1
Total BTEX		**0.595**	0.00490	mg/kg	01.27.2021 19:06		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	86	%	70-130	01.27.2021 19:06	
4-Bromofluorobenzene	460-00-4	111	%	70-130	01.27.2021 19:06	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH01 A**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-002	Date Collected:	01.25.2021 09:34	Sample Depth:	2 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149066

Date Prep: 01.26.2021 08:35

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**295**	49.6	mg/kg	01.26.2021 12:14		5

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149365

Date Prep: 01.27.2021 17:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	01.28.2021 00:43	
o-Terphenyl	84-15-1	130	%	70-130	01.28.2021 00:43	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH01 A**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-002	Date Collected:	01.25.2021 09:34	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 19:28	U	1
Toluene	108-88-3	**0.0121**	0.00201	mg/kg	01.27.2021 19:28		1
Ethylbenzene	100-41-4	**0.0191**	0.00201	mg/kg	01.27.2021 19:28		1
m,p-Xylenes	179601-23-1	**0.0243**	0.00402	mg/kg	01.27.2021 19:28		1
o-Xylene	95-47-6	**0.0112**	0.00201	mg/kg	01.27.2021 19:28		1
Total Xylenes	1330-20-7	**0.0355**	0.00201	mg/kg	01.27.2021 19:28		1
Total BTEX		**0.0667**	0.00201	mg/kg	01.27.2021 19:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.27.2021 19:28	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.27.2021 19:28	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id: **PH01 B** Matrix: Soil Date Received:01.25.2021 15:15
Lab Sample Id: 685933-003 Date Collected: 01.25.2021 09:38 Sample Depth: 3.5 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:
Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**164**	49.9	mg/kg	01.26.2021 12:20		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149365 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.28.2021 01:04	
o-Terphenyl	84-15-1	103	%	70-130	01.28.2021 01:04	

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WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH01 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-003	Date Collected:	01.25.2021 09:38	Sample Depth:	3.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 19:51	U	1
Toluene	108-88-3	**0.0129**	0.00200	mg/kg	01.27.2021 19:51		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 19:51	U	1
m,p-Xylenes	179601-23-1	**0.0195**	0.00401	mg/kg	01.27.2021 19:51		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 19:51	U	1
Total Xylenes	1330-20-7	**0.0195**	0.00200	mg/kg	01.27.2021 19:51		1
Total BTEX		**0.0324**	0.00200	mg/kg	01.27.2021 19:51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.27.2021 19:51	
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.27.2021 19:51	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id: **PH01 C** Matrix: Soil Date Received:01.25.2021 15:15

Lab Sample Id: 685933-004 Date Collected: 01.25.2021 09:40 Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:

Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**347**	50.4	mg/kg	01.26.2021 12:25		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149365 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 01:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 01:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 01:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 01:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.28.2021 01:25	
o-Terphenyl	84-15-1	103	%	70-130	01.28.2021 01:25	

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Burton 35

Sample Id:	**PH01 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-004	Date Collected:	01.25.2021 09:40	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.27.2021 20:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.27.2021 20:13	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.27.2021 20:13	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH02**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-005	Date Collected:	01.25.2021 10:17	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 08:35	% Moisture:	
Seq Number:	3149066			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**581**	50.1	mg/kg	01.26.2021 12:31		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149365			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 01:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 01:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 01:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 01:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	01.28.2021 01:47	
o-Terphenyl	84-15-1	118	%	70-130	01.28.2021 01:47	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH02**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-005	Date Collected:	01.25.2021 10:17	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 20:35	U	1
Toluene	108-88-3	**0.0122**	0.00199	mg/kg	01.27.2021 20:35		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 20:35	U	1
m,p-Xylenes	179601-23-1	**0.0291**	0.00398	mg/kg	01.27.2021 20:35		1
o-Xylene	95-47-6	**0.0135**	0.00199	mg/kg	01.27.2021 20:35		1
Total Xylenes	1330-20-7	**0.0426**	0.00199	mg/kg	01.27.2021 20:35		1
Total BTEX		**0.0548**	0.00199	mg/kg	01.27.2021 20:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.27.2021 20:35	
1,4-Difluorobenzene	540-36-3	89	%	70-130	01.27.2021 20:35	

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Burton 35

Sample Id: **PH02 A** | Matrix: Soil | Date Received:01.25.2021 15:15
Lab Sample Id: 685933-006 | Date Collected: 01.25.2021 10:21 | Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 | Prep Method: E300P
Tech: MAB
Analyst: MAB | Date Prep: 01.26.2021 08:35 | % Moisture:
Seq Number: 3149066 | Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**514**	50.2	mg/kg	01.26.2021 12:48		5

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Tech: DVM
Analyst: ARM | Date Prep: 01.27.2021 17:00 | % Moisture:
Seq Number: 3149365 | Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.28.2021 02:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.28.2021 02:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.28.2021 02:09	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.28.2021 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.28.2021 02:09	
o-Terphenyl	84-15-1	109	%	70-130	01.28.2021 02:09	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH02 A**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-006	Date Collected:	01.25.2021 10:21	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 20:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 20:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 20:58	U	1
m,p-Xylenes	179601-23-1	**0.0186**	0.00401	mg/kg	01.27.2021 20:58		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 20:58	U	1
Total Xylenes	1330-20-7	**0.0186**	0.00200	mg/kg	01.27.2021 20:58		1
Total BTEX		**0.0186**	0.00200	mg/kg	01.27.2021 20:58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.27.2021 20:58	
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.27.2021 20:58	

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Burton 35

Sample Id: **PH02 B** Matrix: Soil Date Received:01.25.2021 15:15
Lab Sample Id: 685933-007 Date Collected: 01.25.2021 10:25 Sample Depth: 3 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:
Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**681**	50.4	mg/kg	01.26.2021 12:54		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149365 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.28.2021 02:30	
o-Terphenyl	84-15-1	111	%	70-130	01.28.2021 02:30	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH02 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-007	Date Collected:	01.25.2021 10:25	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.27.2021 21:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.27.2021 21:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.27.2021 21:20	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.27.2021 21:20	

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WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH02 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-008	Date Collected:	01.25.2021 10:28	Sample Depth:	4 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149066

Date Prep: 01.26.2021 08:35

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5330**	99.2	mg/kg	01.26.2021 12:59		10

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149365

Date Prep: 01.27.2021 17:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 02:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.28.2021 02:51	
o-Terphenyl	84-15-1	114	%	70-130	01.28.2021 02:51	

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Burton 35

Sample Id:	**PH02 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-008	Date Collected:	01.25.2021 10:28	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 21:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.27.2021 21:43	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.27.2021 21:43	

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Burton 35

Sample Id:	**PH03**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-009	Date Collected:	01.25.2021 10:49	Sample Depth:	1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:
Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9380**	99.8	mg/kg	01.26.2021 13:05		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149365 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**5280**	49.9	mg/kg	01.28.2021 03:13		1
Diesel Range Organics (DRO)	C10C28DRO	**6950**	49.9	mg/kg	01.28.2021 03:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**391**	49.9	mg/kg	01.28.2021 03:13		1
Total TPH	PHC635	**12600**	49.9	mg/kg	01.28.2021 03:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	38	%	70-130	01.28.2021 03:13	**
o-Terphenyl	84-15-1	174	%	70-130	01.28.2021 03:13	**

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Burton 35

Sample Id:	**PH03**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-009	Date Collected:	01.25.2021 10:49	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**3.05**	0.499	mg/kg	01.27.2021 22:05		250
Toluene	108-88-3	**34.7**	0.499	mg/kg	01.27.2021 22:05		250
Ethylbenzene	100-41-4	**17.1**	0.499	mg/kg	01.27.2021 22:05		250
m,p-Xylenes	179601-23-1	**94.7**	0.998	mg/kg	01.27.2021 22:05		250
o-Xylene	95-47-6	**27.3**	0.499	mg/kg	01.27.2021 22:05		250
Total Xylenes	1330-20-7	**122**	0.499	mg/kg	01.27.2021 22:05		250
Total BTEX		**177**	0.499	mg/kg	01.27.2021 22:05		250

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	01.27.2021 22:05	
1,4-Difluorobenzene	540-36-3	84	%	70-130	01.27.2021 22:05	

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Burton 35

Sample Id: **PH03 A** Matrix: Soil Date Received:01.25.2021 15:15
Lab Sample Id: 685933-010 Date Collected: 01.25.2021 10:52 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:
Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1640**	99.6	mg/kg	01.26.2021 13:11		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149365 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**50.7**	50.0	mg/kg	01.28.2021 03:34		1
Total TPH	PHC635	**50.7**	50.0	mg/kg	01.28.2021 03:34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.28.2021 03:34	
o-Terphenyl	84-15-1	108	%	70-130	01.28.2021 03:34	

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Burton 35

Sample Id:	**PH03 A**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-010	Date Collected:	01.25.2021 10:52	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.27.2021 23:00	U	1
Toluene	108-88-3	**0.0114**	0.00198	mg/kg	01.27.2021 23:00		1
Ethylbenzene	100-41-4	**0.0111**	0.00198	mg/kg	01.27.2021 23:00		1
m,p-Xylenes	179601-23-1	**0.0354**	0.00397	mg/kg	01.27.2021 23:00		1
o-Xylene	95-47-6	**0.0147**	0.00198	mg/kg	01.27.2021 23:00		1
Total Xylenes	1330-20-7	**0.0501**	0.00198	mg/kg	01.27.2021 23:00		1
Total BTEX		**0.0726**	0.00198	mg/kg	01.27.2021 23:00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	01.27.2021 23:00	
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.27.2021 23:00	

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Burton 35

Sample Id:	**PH03 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-011	Date Collected:	01.25.2021 10:55	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 08:35	% Moisture:	
Seq Number:	3149066			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**572**	49.6	mg/kg	01.26.2021 13:16		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149365			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 04:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 04:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 04:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 04:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.28.2021 04:17	
o-Terphenyl	84-15-1	107	%	70-130	01.28.2021 04:17	

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Burton 35

Sample Id:	**PH03 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-011	Date Collected:	01.25.2021 10:55	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 00:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 00:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 00:17	U	1
m,p-Xylenes	179601-23-1	**0.0180**	0.00399	mg/kg	01.28.2021 00:17		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 00:17	U	1
Total Xylenes	1330-20-7	**0.0180**	0.00200	mg/kg	01.28.2021 00:17		1
Total BTEX		**0.0180**	0.00200	mg/kg	01.28.2021 00:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.28.2021 00:17	
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.28.2021 00:17	

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Burton 35

Sample Id: **PH03 C**
Matrix: Soil
Date Received:01.25.2021 15:15
Lab Sample Id: 685933-012
Date Collected: 01.25.2021 10:58
Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300
Prep Method: E300P
Tech: MAB
Analyst: MAB
Seq Number: 3149066
Date Prep: 01.26.2021 08:35
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.0**	10.0	mg/kg	01.26.2021 13:33		1

Analytical Method: TPH by SW8015 Mod
Prep Method: SW8015P
Tech: DVM
Analyst: ARM
Seq Number: 3149365
Date Prep: 01.27.2021 17:00
% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	01.28.2021 04:40	
o-Terphenyl	84-15-1	130	%	70-130	01.28.2021 04:40	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH03 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-012	Date Collected:	01.25.2021 10:58	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 00:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 00:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.28.2021 00:40	
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.28.2021 00:40	

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Burton 35

Sample Id:	**PH04**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-013	Date Collected:	01.25.2021 11:17	Sample Depth:	1 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149066

Date Prep: 01.26.2021 08:35

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**135**	10.0	mg/kg	01.26.2021 13:50		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149365

Date Prep: 01.27.2021 17:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**64.8**	50.0	mg/kg	01.28.2021 05:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Total TPH	PHC635	**64.8**	50.0	mg/kg	01.28.2021 05:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	01.28.2021 05:02	
o-Terphenyl	84-15-1	115	%	70-130	01.28.2021 05:02	

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WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-013	Date Collected:	01.25.2021 11:17	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00971**	0.00198	mg/kg	01.28.2021 01:02		1
Toluene	108-88-3	**0.0433**	0.00198	mg/kg	01.28.2021 01:02		1
Ethylbenzene	100-41-4	**0.0418**	0.00198	mg/kg	01.28.2021 01:02		1
m,p-Xylenes	179601-23-1	**0.104**	0.00397	mg/kg	01.28.2021 01:02		1
o-Xylene	95-47-6	**0.0715**	0.00198	mg/kg	01.28.2021 01:02		1
Total Xylenes	1330-20-7	**0.176**	0.00198	mg/kg	01.28.2021 01:02		1
Total BTEX		**0.270**	0.00198	mg/kg	01.28.2021 01:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.28.2021 01:02	
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.28.2021 01:02	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id: **PH04 A** Matrix: Soil Date Received:01.25.2021 15:15

Lab Sample Id: 685933-014 Date Collected: 01.25.2021 11:19 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 08:35 % Moisture:

Seq Number: 3149066 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**73.3**	10.0	mg/kg	01.26.2021 13:56		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149365 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.28.2021 05:23	
o-Terphenyl	84-15-1	112	%	70-130	01.28.2021 05:23	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04 A**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-014	Date Collected:	01.25.2021 11:19	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 01:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 01:25	U	1
Ethylbenzene	100-41-4	**0.0208**	0.00202	mg/kg	01.28.2021 01:25		1
m,p-Xylenes	179601-23-1	**0.0197**	0.00403	mg/kg	01.28.2021 01:25		1
o-Xylene	95-47-6	**0.00986**	0.00202	mg/kg	01.28.2021 01:25		1
Total Xylenes	1330-20-7	**0.0296**	0.00202	mg/kg	01.28.2021 01:25		1
Total BTEX		**0.0504**	0.00202	mg/kg	01.28.2021 01:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.28.2021 01:25	
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 01:25	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-015	Date Collected:	01.25.2021 11:23	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 08:35	% Moisture:	
Seq Number:	3149066			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**172**	9.98	mg/kg	01.26.2021 14:02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149365			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 05:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 05:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 05:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 05:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	01.28.2021 05:45	
o-Terphenyl	84-15-1	113	%	70-130	01.28.2021 05:45	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04 B**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-015	Date Collected:	01.25.2021 11:23	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.28.2021 01:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 01:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	70-130	01.28.2021 01:47	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.28.2021 01:47	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-016	Date Collected:	01.25.2021 11:26	Sample Depth:	4 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149066

Date Prep: 01.26.2021 08:35

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**662**	49.8	mg/kg	01.26.2021 14:07		5

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149365

Date Prep: 01.27.2021 17:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.28.2021 06:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.28.2021 06:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.28.2021 06:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.28.2021 06:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	01.28.2021 06:34	
o-Terphenyl	84-15-1	117	%	70-130	01.28.2021 06:34	

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Certificate of Analytical Results 685933

WSP USA, Dallas, TX

Burton 35

Sample Id:	**PH04 C**	Matrix:	Soil	Date Received:	01.25.2021 15:15
Lab Sample Id:	685933-016	Date Collected:	01.25.2021 11:26	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:47	% Moisture:	
Seq Number:	3149157			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 02:09	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.28.2021 02:09	
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.28.2021 02:09	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 685933

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WSP USA

Burton 35

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149066 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720053-1-BLK — LCS Sample Id: 7720053-1-BKS — LCSD Sample Id: 7720053-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	217	109	214	107	90-110	1	20	mg/kg	01.26.2021 11:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149066 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685933-001 — MS Sample Id: 685933-001 S — MSD Sample Id: 685933-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	199	200	393	97	386	94	90-110	2	20	mg/kg	01.26.2021 12:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149066 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685933-011 — MS Sample Id: 685933-011 S — MSD Sample Id: 685933-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	572	199	765	97	764	96	90-110	0	20	mg/kg	01.26.2021 13:22	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149365 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720231-1-BLK — LCS Sample Id: 7720231-1-BKS — LCSD Sample Id: 7720231-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	962	96	923	92	70-130	4	20	mg/kg	01.27.2021 22:57	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	985	99	70-130	3	20	mg/kg	01.27.2021 22:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		98		102		70-130	%	01.27.2021 22:57
o-Terphenyl	119		102		100		70-130	%	01.27.2021 22:57

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149365 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720231-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.27.2021 22:36	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685933

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WSP USA

Burton 35

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3149365 | Matrix: Soil | Date Prep: 01.27.2021
Parent Sample Id: 685933-001 | MS Sample Id: 685933-001 S | MSD Sample Id: 685933-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	103	997	968	87	945	85	70-130	2	20	mg/kg	01.28.2021 00:01	
Diesel Range Organics (DRO)	374	997	1130	76	1100	73	70-130	3	20	mg/kg	01.28.2021 00:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		102		70-130	%	01.28.2021 00:01
o-Terphenyl	97		95		70-130	%	01.28.2021 00:01

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3149157 | Matrix: Solid | Date Prep: 01.26.2021
MB Sample Id: 7720056-1-BLK | LCS Sample Id: 7720056-1-BKS | LCSD Sample Id: 7720056-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0784	78	0.0776	78	70-130	1	35	mg/kg	01.27.2021 17:03	
Toluene	<0.00200	0.100	0.0908	91	0.0915	92	70-130	1	35	mg/kg	01.27.2021 17:03	
Ethylbenzene	<0.00200	0.100	0.0991	99	0.0988	99	71-129	0	35	mg/kg	01.27.2021 17:03	
m,p-Xylenes	<0.00400	0.200	0.211	106	0.212	106	70-135	0	35	mg/kg	01.27.2021 17:03	
o-Xylene	<0.00200	0.100	0.108	108	0.107	107	71-133	1	35	mg/kg	01.27.2021 17:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		90		89		70-130	%	01.27.2021 17:03
4-Bromofluorobenzene	122		116		117		70-130	%	01.27.2021 17:03

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3149157 | Matrix: Soil | Date Prep: 01.26.2021
Parent Sample Id: 685933-001 | MS Sample Id: 685933-001 S | MSD Sample Id: 685933-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0200	1.00	0.960	96	0.835	84	70-130	14	35	mg/kg	01.27.2021 17:48	
Toluene	0.104	1.00	1.11	101	0.964	86	70-130	14	35	mg/kg	01.27.2021 17:48	
Ethylbenzene	0.111	1.00	1.19	108	1.05	94	71-129	13	35	mg/kg	01.27.2021 17:48	
m,p-Xylenes	0.240	2.00	2.56	116	2.24	100	70-135	13	35	mg/kg	01.27.2021 17:48	
o-Xylene	0.140	1.00	1.29	115	1.14	100	71-133	12	35	mg/kg	01.27.2021 17:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		90		70-130	%	01.27.2021 17:48
4-Bromofluorobenzene	114		117		70-130	%	01.27.2021 17:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

XENCO LABORATORIES

Chain of Custody

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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 685933

www.xenco.com Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

		Turn Around	
Project Name:	Burton 35	Routine ☐	
Project Number:	31402909.02	Rush:	
P.O. Number:	Lea		
Sampler's Name:	William Mather	Due Date: 1/29	

SAMPLE RECEIPT

Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.8/1.6	Thermometer ID	T-WM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	16

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
PH01	s	1/25/2021	9:31	1'	1	x	x	x	Discrete
PH01A	s	1/25/2021	9:34	2'	1	x	x	x	Discrete
PH01B	s	1/25/2021	9:38	3.5'	1	x	x	x	Discrete
PH01C	s	1/25/2021	9:40	4'	1	x	x	x	Discrete
PH02	s	1/25/2021	10:17	1'	1	x	x	x	Discrete
PH02A	s	1/25/2021	10:21	2'	1	x	x	x	Discrete
PH02B	s	1/25/2021	10:25	3'	1	x	x	x	Discrete
PH02C	s	1/25/2021	10:28	4'	1	x	x	x	Discrete
PH03	s	1/25/2021	10:49	1'	1	x	x	x	Discrete
PH03A	s	1/25/2021	10:52	2'	1	x	x	x	Discrete
									Discrete

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	1-25-21 1515	2			
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Chain of Custody

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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
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Work Order No: 685933

Page 2 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35	Turn Around	
Project Number:	31402909.02	Routine	☐
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	1/29

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID	See Page 1	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
PH03B	s	1/25/2021	10:55	3'	1	x	x	x
PH03C	s	1/25/2021	10:58	4'	1	x	x	x
PH04	s	1/25/2021	11:17	1'	1	x	x	x
PH04A	s	1/25/2021	11:19	2'	1	x	x	x
PH04B	s	1/25/2021	11:23	3'	1	x	x	x
PH04C	s	1/25/2021	11:26	4'	1	x	x	x

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Sample Comments
Discrete
Discrete
Discrete
Discrete
Discrete
Discrete

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Cruz Cuellar	1.25.21 1515	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 77050

Date/Time: 01.26.2021
Lab# From: **Carlsbad**
Lab# To: **Midland**

Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685933-001	S	PH01	01.25.2021 09:31	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-002	S	PH01 A	01.25.2021 09:34	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-003	S	PH01 B	01.25.2021 09:38	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-004	S	PH01 C	01.25.2021 09:40	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-005	S	PH02	01.25.2021 10:17	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-006	S	PH02 A	01.25.2021 10:21	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-007	S	PH02 B	01.25.2021 10:25	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-008	S	PH02 C	01.25.2021 10:28	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-009	S	PH03	01.25.2021 10:49	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-010	S	PH03 A	01.25.2021 10:52	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-011	S	PH03 B	01.25.2021 10:55	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-012	S	PH03 C	01.25.2021 10:58	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-013	S	PH04	01.25.2021 11:17	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-014	S	PH04 A	01.25.2021 11:19	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-015	S	PH04 B	01.25.2021 11:23	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	
685933-016	S	PH04 C	01.25.2021 11:26	SW8015MOD_NM	TPH by SW8015 Mod	01.28.2021	02.08.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Cloe Clifton

Date Relinquished: 01.26.2021

Received By: Jessica Kramer
Jessica Kramer

Date Received: 01.27.2021

Cooler Temperature: 0.3

Eurofins Xenco, LLC

Environment Testing Xenco

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 77050

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.26.2021 02.30 PM

Received By: Jessica Kramer **Date Received:** 01.27.2021 12.55 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.25.2021 03.15.00 PM

Work Order #: 685933

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.25.2021

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-420-1
Laboratory Sample Delivery Group: Lea
Client Project/Site: Burton 35-1

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
4/8/2021 4:46:12 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Burton 35-1

Laboratory Job ID: 890-420-1
SDG: Lea

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Job ID: 890-420-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-420-1

Receipt
The samples were received on 3/24/2021 9:34 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 0.6°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-420-1), FS02 (890-420-2), FS03 (890-420-3), FS04 (890-420-4), FS05 (890-420-5), FS06 (890-420-6), FS07 (890-420-7), FS08 (890-420-8), FS09 (890-420-9), FS10 (890-420-10) and FS11 (890-420-11).

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 Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS01 Lab Sample ID: 890-420-1

Date Collected: 03/23/21 09:32 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
Total BTEX	<0.00200	U F1 *1	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 16:53	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/01/21 09:12*	*04/03/21 16:53*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/01/21 09:12*	*04/03/21 16:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:25	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/31/21 14:08*	*04/01/21 05:25*	*1*
o-Terphenyl	*99*		*70 - 130*	*03/31/21 14:08*	*04/01/21 05:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**644**		5.05		mg/Kg			04/08/21 11:20	1

Client Sample ID: FS02 Lab Sample ID: 890-420-2

Date Collected: 03/23/21 09:55 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
Total BTEX	<0.00199	U *1	0.00199		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/21 09:12	04/03/21 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:13*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:13*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS02 Lab Sample ID: 890-420-2

Date Collected: 03/23/21 09:55 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:45	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/31/21 14:08*	*04/01/21 05:45*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/31/21 14:08*	*04/01/21 05:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		5.02		mg/Kg			04/08/21 11:25	1

Client Sample ID: FS03 Lab Sample ID: 890-420-3

Date Collected: 03/23/21 09:56 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
Total BTEX	<0.00198	U *1	0.00198		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/01/21 09:12	04/03/21 17:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/01/21 09:12	04/03/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:33*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 06:06	1
Diesel Range Organics (Over C10-C28)	**139**		49.9		mg/Kg		03/31/21 14:08	04/01/21 06:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 06:06	1
Total TPH	**139**		49.9		mg/Kg		03/31/21 14:08	04/01/21 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:06*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1070**		4.98		mg/Kg			04/08/21 11:29	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS04 Lab Sample ID: 890-420-4

Date Collected: 03/23/21 10:07 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
Total BTEX	<0.00201	U *1	0.00201		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/01/21 09:12	04/03/21 17:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:54*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/01/21 09:12*	*04/03/21 17:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/31/21 14:08	04/01/21 06:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/31/21 14:08	04/01/21 06:28	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/31/21 14:08	04/01/21 06:28	1
Total TPH	<50.1	U	50.1		mg/Kg		03/31/21 14:08	04/01/21 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:28*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**		4.97		mg/Kg			04/08/21 11:34	1

Client Sample ID: FS05 Lab Sample ID: 890-420-5

Date Collected: 03/23/21 10:09 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
Total BTEX	<0.00202	U *1	0.00202		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/01/21 09:12	04/03/21 18:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*04/01/21 09:12*	*04/03/21 18:14*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/01/21 09:12*	*04/03/21 18:14*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Client Sample ID: FS05

Lab Sample ID: 890-420-5
Matrix: Solid
Date Collected: 03/23/21 10:09
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**69.4**		50.0		mg/Kg		03/31/21 14:08	04/01/21 06:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 06:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	04/01/21 06:49	1
Total TPH	**69.4**		50.0		mg/Kg		03/31/21 14:08	04/01/21 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:49*	*1*
o-Terphenyl	*96*		*70 - 130*	*03/31/21 14:08*	*04/01/21 06:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		4.95		mg/Kg			04/08/21 11:49	1

Client Sample ID: FS06

Lab Sample ID: 890-420-6
Matrix: Solid
Date Collected: 03/23/21 10:31
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
Total BTEX	<0.00200	U *1	0.00200		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/01/21 09:12*	*04/03/21 18:35*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/01/21 09:12*	*04/03/21 18:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 07:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 07:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 07:10	1
Total TPH	<49.9	U	49.9		mg/Kg		03/31/21 14:08	04/01/21 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/31/21 14:08*	*04/01/21 07:10*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/31/21 14:08*	*04/01/21 07:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**768**		4.95		mg/Kg			04/08/21 11:54	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS07 Lab Sample ID: 890-420-7

Date Collected: 03/23/21 10:34 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
Ethylbenzene	**0.00742**		0.00199		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
Total BTEX	**0.0303**	***1**	0.00199		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
Xylenes, Total	**0.0229**		0.00398		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
m-Xylene & p-Xylene	**0.0156**		0.00398		mg/Kg		04/01/21 09:12	04/03/21 18:55	1
o-Xylene	**0.00725**		0.00199		mg/Kg		04/01/21 09:12	04/03/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*04/01/21 09:12*	*04/03/21 18:55*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/01/21 09:12*	*04/03/21 18:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 14:08	04/01/21 07:31	1
Diesel Range Organics (Over C10-C28)	**138**		49.8		mg/Kg		03/31/21 14:08	04/01/21 07:31	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 14:08	04/01/21 07:31	1
Total TPH	**138**		49.8		mg/Kg		03/31/21 14:08	04/01/21 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/31/21 14:08*	*04/01/21 07:31*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/31/21 14:08*	*04/01/21 07:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**		5.00		mg/Kg			04/08/21 11:59	1

Client Sample ID: FS08 Lab Sample ID: 890-420-8

Date Collected: 03/23/21 13:47 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
Total BTEX	<0.00201	U *1	0.00201		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/01/21 09:12	04/03/21 19:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/01/21 09:12	04/03/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*04/01/21 09:12*	*04/03/21 19:15*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/01/21 09:12*	*04/03/21 19:15*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS08 Lab Sample ID: 890-420-8

Date Collected: 03/23/21 13:47 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/01/21 16:36	04/02/21 10:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/01/21 16:36	04/02/21 10:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/01/21 16:36	04/02/21 10:15	1
Total TPH	<49.8	U	49.8		mg/Kg		04/01/21 16:36	04/02/21 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/01/21 16:36*	*04/02/21 10:15*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/01/21 16:36*	*04/02/21 10:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1000**		5.04		mg/Kg			04/08/21 12:04	1

Client Sample ID: FS09 Lab Sample ID: 890-420-9

Date Collected: 03/23/21 13:49 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
Total BTEX	<0.00200	U *1	0.00200		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/21 09:12	04/03/21 21:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*04/01/21 09:12*	*04/03/21 21:18*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/01/21 09:12*	*04/03/21 21:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**73.5**		49.8		mg/Kg		03/31/21 11:52	04/01/21 02:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/31/21 11:52	04/01/21 02:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 11:52	04/01/21 02:39	1
Total TPH	**73.5**		49.8		mg/Kg		03/31/21 11:52	04/01/21 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/31/21 11:52*	*04/01/21 02:39*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/31/21 11:52*	*04/01/21 02:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**672**		5.05		mg/Kg			04/08/21 12:09	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS10 Lab Sample ID: 890-420-10

Date Collected: 03/23/21 13:51 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
Total BTEX	<0.00202	U *1	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/01/21 09:12	04/03/21 21:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*04/01/21 09:12*	*04/03/21 21:38*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/01/21 09:12*	*04/03/21 21:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 09:04	03/31/21 21:16	1
Diesel Range Organics (Over C10-C28)	**92.9**		49.9		mg/Kg		03/31/21 09:04	03/31/21 21:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 09:04	03/31/21 21:16	1
Total TPH	**92.9**		49.9		mg/Kg		03/31/21 09:04	03/31/21 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/31/21 09:04*	*03/31/21 21:16*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/31/21 09:04*	*03/31/21 21:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**760**	**F1**	4.98		mg/Kg			04/08/21 12:14	1

Client Sample ID: FS11 Lab Sample ID: 890-420-11

Date Collected: 03/23/21 13:53 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
Total BTEX	<0.00202	U *1	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/01/21 09:12	04/03/21 21:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/01/21 09:12	04/03/21 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/01/21 09:12*	*04/03/21 21:59*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/01/21 09:12*	*04/03/21 21:59*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS11 Lab Sample ID: 890-420-11

Date Collected: 03/23/21 13:53 **Matrix: Solid**
Date Received: 03/24/21 09:34
Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 09:04	03/31/21 21:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/31/21 09:04	03/31/21 21:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 09:04	03/31/21 21:37	1
Total TPH	<49.8	U	49.8		mg/Kg		03/31/21 09:04	03/31/21 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*03/31/21 09:04*	*03/31/21 21:37*	*1*
o-Terphenyl	*71*		*70 - 130*	*03/31/21 09:04*	*03/31/21 21:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**502**		5.04		mg/Kg			04/08/21 12:29	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-420-1	FS01	114	103
890-420-1 MS	FS01	125	115
890-420-1 MSD	FS01	124	113
890-420-2	FS02	123	110
890-420-3	FS03	130	113
890-420-4	FS04	125	111
890-420-5	FS05	129	112
890-420-6	FS06	125	111
890-420-7	FS07	156 S1+	111
890-420-8	FS08	128	112
890-420-9	FS09	130	110
890-420-10	FS10	146 S1+	100
890-420-11	FS11	122	114
LCS 880-1142/1-A	Lab Control Sample	108	104
LCSD 880-1142/2-A	Lab Control Sample Dup	98	100
MB 880-1142/5-A	Method Blank	103	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-420-1	FS01	93	99
890-420-2	FS02	95	100
890-420-3	FS03	98	101
890-420-4	FS04	95	103
890-420-5	FS05	96	96
890-420-6	FS06	104	88
890-420-7	FS07	95	88
890-420-8	FS08	86	88
890-420-9	FS09	101	109
890-420-10	FS10	98	97
890-420-11	FS11	56 S1-	71
LCS 880-1091/2-A	Lab Control Sample	95	98
LCS 880-1103/2-A	Lab Control Sample	110	119
LCS 880-1113/2-A	Lab Control Sample	105	84
LCS 880-1211/2-A	Lab Control Sample	105	92
LCSD 880-1091/3-A	Lab Control Sample Dup	94	100
LCSD 880-1103/3-A	Lab Control Sample Dup	105	109
LCSD 880-1113/3-A	Lab Control Sample Dup	100	106
LCSD 880-1211/3-A	Lab Control Sample Dup	105	90
MB 880-1091/1-A	Method Blank	75	97
MB 880-1103/1-A	Method Blank	105	119
MB 880-1113/1-A	Method Blank	78	95
MB 880-1211/1-A	Method Blank	104	104

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1142/5-A
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/21 09:12	04/03/21 16:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:12	04/03/21 16:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/01/21 09:12*	*04/03/21 16:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/01/21 09:12*	*04/03/21 16:31*	*1*

Lab Sample ID: LCS 880-1142/1-A
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09865		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09657		mg/Kg		97	70 - 130
Toluene	0.100	0.09371		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-1142/2-A
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1142

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07607		mg/Kg		76	70 - 130	26	35
Ethylbenzene	0.100	0.07619		mg/Kg		76	70 - 130	24	35
Toluene	0.100	0.07499		mg/Kg		75	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.1526		mg/Kg		76	70 - 130	24	35
o-Xylene	0.100	0.07800		mg/Kg		78	70 - 130	27	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-420-1 MS
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 1142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.100	0.1454	F1	mg/Kg		145	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

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

Lab Sample ID: 890-420-1 MS
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 1142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.100	0.1240		mg/Kg		124	70 - 130
Toluene	<0.00200	U	0.100	0.1273		mg/Kg		127	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2486		mg/Kg		124	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.1379	F1	mg/Kg		138	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 890-420-1 MSD
Matrix: Solid
Analysis Batch: 1282

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 1142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0994	0.1451	F1	mg/Kg		146	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.0994	0.1242		mg/Kg		125	70 - 130	0	35
Toluene	<0.00200	U	0.0994	0.1271		mg/Kg		128	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2485		mg/Kg		125	70 - 130	0	35
o-Xylene	<0.00200	U F1	0.0994	0.1380	F1	mg/Kg		139	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

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

Lab Sample ID: MB 880-1091/1-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 09:04	03/31/21 12:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 09:04	03/31/21 12:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 09:04	03/31/21 12:09	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 09:04	03/31/21 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/31/21 09:04*	*03/31/21 12:09*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/31/21 09:04*	*03/31/21 12:09*	*1*

Lab Sample ID: LCS 880-1091/2-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	835.1		mg/Kg		84	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

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

Lab Sample ID: LCS 880-1091/2-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1091

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	911.8		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-1091/3-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	823.4		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	937.4		mg/Kg		94	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: MB 880-1103/1-A
Matrix: Solid
Analysis Batch: 1088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 11:52	03/31/21 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 11:52	03/31/21 19:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 11:52	03/31/21 19:58	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 11:52	03/31/21 19:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/31/21 11:52*	*03/31/21 19:58*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/31/21 11:52*	*03/31/21 19:58*	*1*

Lab Sample ID: LCS 880-1103/2-A
Matrix: Solid
Analysis Batch: 1088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1111		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1078		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

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

Lab Sample ID: LCS 880-1103/2-A
Matrix: Solid
Analysis Batch: 1088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-1103/3-A
Matrix: Solid
Analysis Batch: 1088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1067		mg/Kg		107	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1010		mg/Kg		101	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: MB 880-1113/1-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:08	03/31/21 22:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	03/31/21 22:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:08	03/31/21 22:42	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 14:08	03/31/21 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	03/31/21 14:08	03/31/21 22:42	1
o-Terphenyl	95		70 - 130	03/31/21 14:08	03/31/21 22:42	1

Lab Sample ID: LCS 880-1113/2-A
Matrix: Solid
Analysis Batch: 1092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1113

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1056		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)			1000	842.4		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

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

Lab Sample ID: LCSD 880-1113/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 1092 **Prep Batch: 1113**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.3		mg/Kg		89	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	982.5		mg/Kg		98	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: MB 880-1211/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 1157 **Prep Batch: 1211**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/21 16:36	04/02/21 01:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/21 16:36	04/02/21 01:30	1
OII Range Organics (Over C28-C36)	78.53		50.0		mg/Kg		04/01/21 16:36	04/02/21 01:30	1
Total TPH	78.53		50.0		mg/Kg		04/01/21 16:36	04/02/21 01:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/01/21 16:36*	*04/02/21 01:30*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/01/21 16:36*	*04/02/21 01:30*	*1*

Lab Sample ID: LCS 880-1211/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 1157 **Prep Batch: 1211**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	953.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)			1000	853.6		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-1211/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 1157 **Prep Batch: 1211**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	966.7		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	834.1		mg/Kg		83	70 - 130	2	20

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

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

Lab Sample ID: LCSD 880-1211/3-A
Matrix: Solid
Analysis Batch: 1157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1211

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1517/1-A
Matrix: Solid
Analysis Batch: 1518

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/08/21 10:50	1

Lab Sample ID: LCS 880-1517/2-A
Matrix: Solid
Analysis Batch: 1518

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	254.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-1517/3-A
Matrix: Solid
Analysis Batch: 1518

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	254.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-420-10 MS
Matrix: Solid
Analysis Batch: 1518

Client Sample ID: FS10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	760	F1	249	987.2		mg/Kg		91	90 - 110		

Lab Sample ID: 890-420-10 MSD
Matrix: Solid
Analysis Batch: 1518

Client Sample ID: FS10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	760	F1	249	981.1	F1	mg/Kg		89	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

GC VOA

Prep Batch: 1142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Total/NA	Solid	5035	
890-420-2	FS02	Total/NA	Solid	5035	
890-420-3	FS03	Total/NA	Solid	5035	
890-420-4	FS04	Total/NA	Solid	5035	
890-420-5	FS05	Total/NA	Solid	5035	
890-420-6	FS06	Total/NA	Solid	5035	
890-420-7	FS07	Total/NA	Solid	5035	
890-420-8	FS08	Total/NA	Solid	5035	
890-420-9	FS09	Total/NA	Solid	5035	
890-420-10	FS10	Total/NA	Solid	5035	
890-420-11	FS11	Total/NA	Solid	5035	
MB 880-1142/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1142/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1142/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-420-1 MS	FS01	Total/NA	Solid	5035	
890-420-1 MSD	FS01	Total/NA	Solid	5035	

Analysis Batch: 1282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Total/NA	Solid	8021B	1142
890-420-2	FS02	Total/NA	Solid	8021B	1142
890-420-3	FS03	Total/NA	Solid	8021B	1142
890-420-4	FS04	Total/NA	Solid	8021B	1142
890-420-5	FS05	Total/NA	Solid	8021B	1142
890-420-6	FS06	Total/NA	Solid	8021B	1142
890-420-7	FS07	Total/NA	Solid	8021B	1142
890-420-8	FS08	Total/NA	Solid	8021B	1142
890-420-9	FS09	Total/NA	Solid	8021B	1142
890-420-10	FS10	Total/NA	Solid	8021B	1142
890-420-11	FS11	Total/NA	Solid	8021B	1142
MB 880-1142/5-A	Method Blank	Total/NA	Solid	8021B	1142
LCS 880-1142/1-A	Lab Control Sample	Total/NA	Solid	8021B	1142
LCSD 880-1142/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1142
890-420-1 MS	FS01	Total/NA	Solid	8021B	1142
890-420-1 MSD	FS01	Total/NA	Solid	8021B	1142

GC Semi VOA

Analysis Batch: 1088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-9	FS09	Total/NA	Solid	8015B NM	1103
MB 880-1103/1-A	Method Blank	Total/NA	Solid	8015B NM	1103
LCS 880-1103/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1103
LCSD 880-1103/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1103

Prep Batch: 1091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-10	FS10	Total/NA	Solid	8015NM Prep	
890-420-11	FS11	Total/NA	Solid	8015NM Prep	
MB 880-1091/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1091/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

GC Semi VOA (Continued)

Prep Batch: 1091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1091/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Total/NA	Solid	8015B NM	1113
890-420-2	FS02	Total/NA	Solid	8015B NM	1113
890-420-3	FS03	Total/NA	Solid	8015B NM	1113
890-420-4	FS04	Total/NA	Solid	8015B NM	1113
890-420-5	FS05	Total/NA	Solid	8015B NM	1113
890-420-6	FS06	Total/NA	Solid	8015B NM	1113
890-420-7	FS07	Total/NA	Solid	8015B NM	1113
890-420-10	FS10	Total/NA	Solid	8015B NM	1091
890-420-11	FS11	Total/NA	Solid	8015B NM	1091
MB 880-1091/1-A	Method Blank	Total/NA	Solid	8015B NM	1091
MB 880-1113/1-A	Method Blank	Total/NA	Solid	8015B NM	1113
LCS 880-1091/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1091
LCS 880-1113/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1113
LCSD 880-1091/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1091
LCSD 880-1113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1113

Prep Batch: 1103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-9	FS09	Total/NA	Solid	8015NM Prep	
MB 880-1103/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1103/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1103/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 1113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Total/NA	Solid	8015NM Prep	
890-420-2	FS02	Total/NA	Solid	8015NM Prep	
890-420-3	FS03	Total/NA	Solid	8015NM Prep	
890-420-4	FS04	Total/NA	Solid	8015NM Prep	
890-420-5	FS05	Total/NA	Solid	8015NM Prep	
890-420-6	FS06	Total/NA	Solid	8015NM Prep	
890-420-7	FS07	Total/NA	Solid	8015NM Prep	
MB 880-1113/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1113/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-8	FS08	Total/NA	Solid	8015B NM	1211
MB 880-1211/1-A	Method Blank	Total/NA	Solid	8015B NM	1211
LCS 880-1211/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1211
LCSD 880-1211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1211

Prep Batch: 1211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-8	FS08	Total/NA	Solid	8015NM Prep	
MB 880-1211/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

GC Semi VOA (Continued)

Prep Batch: 1211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1211/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 1517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Soluble	Solid	DI Leach	
890-420-2	FS02	Soluble	Solid	DI Leach	
890-420-3	FS03	Soluble	Solid	DI Leach	
890-420-4	FS04	Soluble	Solid	DI Leach	
890-420-5	FS05	Soluble	Solid	DI Leach	
890-420-6	FS06	Soluble	Solid	DI Leach	
890-420-7	FS07	Soluble	Solid	DI Leach	
890-420-8	FS08	Soluble	Solid	DI Leach	
890-420-9	FS09	Soluble	Solid	DI Leach	
890-420-10	FS10	Soluble	Solid	DI Leach	
890-420-11	FS11	Soluble	Solid	DI Leach	
MB 880-1517/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1517/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1517/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-420-10 MS	FS10	Soluble	Solid	DI Leach	
890-420-10 MSD	FS10	Soluble	Solid	DI Leach	

Analysis Batch: 1518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-420-1	FS01	Soluble	Solid	300.0	1517
890-420-2	FS02	Soluble	Solid	300.0	1517
890-420-3	FS03	Soluble	Solid	300.0	1517
890-420-4	FS04	Soluble	Solid	300.0	1517
890-420-5	FS05	Soluble	Solid	300.0	1517
890-420-6	FS06	Soluble	Solid	300.0	1517
890-420-7	FS07	Soluble	Solid	300.0	1517
890-420-8	FS08	Soluble	Solid	300.0	1517
890-420-9	FS09	Soluble	Solid	300.0	1517
890-420-10	FS10	Soluble	Solid	300.0	1517
890-420-11	FS11	Soluble	Solid	300.0	1517
MB 880-1517/1-A	Method Blank	Soluble	Solid	300.0	1517
LCS 880-1517/2-A	Lab Control Sample	Soluble	Solid	300.0	1517
LCSD 880-1517/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1517
890-420-10 MS	FS10	Soluble	Solid	300.0	1517
890-420-10 MSD	FS10	Soluble	Solid	300.0	1517

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS01 Lab Sample ID: 890-420-1

Date Collected: 03/23/21 09:32 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 16:53	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 05:25	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:20	CH	XM

Client Sample ID: FS02 Lab Sample ID: 890-420-2

Date Collected: 03/23/21 09:55 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 17:13	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 05:45	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:25	CH	XM

Client Sample ID: FS03 Lab Sample ID: 890-420-3

Date Collected: 03/23/21 09:56 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 17:33	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 06:06	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:29	CH	XM

Client Sample ID: FS04 Lab Sample ID: 890-420-4

Date Collected: 03/23/21 10:07 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 17:54	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 06:28	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:34	CH	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS05 Lab Sample ID: 890-420-5

Date Collected: 03/23/21 10:09 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 18:14	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 06:49	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:49	CH	XM

Client Sample ID: FS06 Lab Sample ID: 890-420-6

Date Collected: 03/23/21 10:31 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 18:35	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 07:10	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:54	CH	XM

Client Sample ID: FS07 Lab Sample ID: 890-420-7

Date Collected: 03/23/21 10:34 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 18:55	KL	XM
Total/NA	Prep	8015NM Prep			1113	03/31/21 14:08	DM	XM
Total/NA	Analysis	8015B NM		1	1092	04/01/21 07:31	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 11:59	CH	XM

Client Sample ID: FS08 Lab Sample ID: 890-420-8

Date Collected: 03/23/21 13:47 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 19:15	KL	XM
Total/NA	Prep	8015NM Prep			1211	04/01/21 16:36	DM	XM
Total/NA	Analysis	8015B NM		1	1157	04/02/21 10:15	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 12:04	CH	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Client Sample ID: FS09 Lab Sample ID: 890-420-9

Date Collected: 03/23/21 13:49 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 21:18	KL	XM
Total/NA	Prep	8015NM Prep			1103	03/31/21 11:52	DM	XM
Total/NA	Analysis	8015B NM		1	1088	04/01/21 02:39	T1S	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 12:09	CH	XM

Client Sample ID: FS10 Lab Sample ID: 890-420-10

Date Collected: 03/23/21 13:51 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 21:38	KL	XM
Total/NA	Prep	8015NM Prep			1091	03/31/21 09:04	DM	XM
Total/NA	Analysis	8015B NM		1	1092	03/31/21 21:16	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 12:14	CH	XM

Client Sample ID: FS11 Lab Sample ID: 890-420-11

Date Collected: 03/23/21 13:53 **Matrix: Solid**
Date Received: 03/24/21 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1142	04/01/21 09:12	MR	XM
Total/NA	Analysis	8021B		1	1282	04/03/21 21:59	KL	XM
Total/NA	Prep	8015NM Prep			1091	03/31/21 09:04	DM	XM
Total/NA	Analysis	8015B NM		1	1092	03/31/21 21:37	AJ	XM
Soluble	Leach	DI Leach			1517	04/07/21 17:00	CH	XM
Soluble	Analysis	300.0		1	1518	04/08/21 12:29	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

Laboratory: Eurofins Xenco, Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc. Job ID: 890-420-1
Project/Site: Burton 35-1 SDG: Lea

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

Protocol References:

ASTM = ASTM International

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-420-1
SDG: Lea

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-420-1	FS01	Solid	03/23/21 09:32	03/24/21 09:34	- 1.5
890-420-2	FS02	Solid	03/23/21 09:55	03/24/21 09:34	- 1.5
890-420-3	FS03	Solid	03/23/21 09:56	03/24/21 09:34	- 1.5
890-420-4	FS04	Solid	03/23/21 10:07	03/24/21 09:34	- 1.5
890-420-5	FS05	Solid	03/23/21 10:09	03/24/21 09:34	- 1.5
890-420-6	FS06	Solid	03/23/21 10:31	03/24/21 09:34	- 1.5
890-420-7	FS07	Solid	03/23/21 10:34	03/24/21 09:34	- 1.5
890-420-8	FS08	Solid	03/23/21 13:47	03/24/21 09:34	- 2
890-420-9	FS09	Solid	03/23/21 13:49	03/24/21 09:34	- 2
890-420-10	FS10	Solid	03/23/21 13:51	03/24/21 09:34	- 2
890-420-11	FS11	Solid	03/23/21 13:53	03/24/21 09:34	- 2

Chain of Custody

XENCO LABORATORIES

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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35-1	Turn Around	
Project Number:	31402909.02	Routine	X
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	0.8/0.0	Thermometer ID		
Received Intact:	(Yes) No		IR-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS01	s	3/23/2021	9:32	1.5'	1	x	x	x	Composite
FS02	s	3/23/2021	9:55	1.5'	1	x	x	x	Composite
FS03	s	3/23/2021	9:56	1.5'	1	x	x	x	Composite
FS04	s	3/23/2021	10:07	1.5'	1	x	x	x	Composite
FS05	s	3/23/2021	10:09	1.5'	1	x	x	x	Composite
FS06	s	3/23/2021	10:31	1.5'	1	x	x	x	Composite
FS07	s	3/23/2021	10:34	1.5'	1	x	x	x	Composite
FS08	s	3/23/2021	13:47	2'	1	x	x	x	Composite
FS09	s	3/23/2021	13:49	2'	1	x	x	x	Composite
FS10	s	3/23/2021	13:51	2'	1	x	x	x	Composite

ANALYSIS REQUEST

890-420 Chain of Custody

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 : Hg**

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3-24-21 0932			
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES
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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Work Order No: _____

Page 2 of 2

4/8/2021

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35-1	Turn Around	
Project Number:	31402909.02	Routine	☒
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No	See Pg 1		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS11	s	3/23/2021	13:53	2'	1	x	x	x

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Composite

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471 : Hg**

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Ike Tavarez	3.24.21 0932	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM. Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-126.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note) NELAP - Texas		Job #: 890-420-1
Address: 1211 W Florida Ave,	Due Date Requested: 3/30/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Burton 35-1	Project #: 88000207			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X				X	
FS01 (890-420-1)	3/23/21	09 32 Mountain		Solid			X	X	X	1	
FS02 (890-420-2)	3/23/21	09:55 Mountain		Solid			X	X	X	1	
FS03 (890-420-3)	3/23/21	09:56 Mountain		Solid			X	X	X	1	
FS04 (890-420-4)	3/23/21	10:07 Mountain		Solid			X	X	X	1	
FS05 (890-420-5)	3/23/21	10.09 Mountain		Solid			X	X	X	1	
FS06 (890-420-6)	3/23/21	10:31 Mountain		Solid			X	X	X	1	
FS07 (890-420-7)	3/23/21	10:34 Mountain		Solid			X	X	X	1	
FS08 (890-420-8)	3/23/21	13.47 Mountain		Solid			X	X	X	1	
FS09 (890-420-9)	3/23/21	13:49 Mountain		Solid			X	X	X	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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deli	pecial Instructions/QC Requirements:
Empty Kit Relinquished by:	Method of Shipment:
Relinquished by: Clara Cuellar 3-24-21 1010 Date/Time:	Received by: Date/Time: 3/24/21 2110 p.m Company
Relinquished by: Date/Time:	Received by: Date/Time: Company
Relinquished by: Date/Time:	Received by: Date/Time: Company
Custody Seals Intact: Δ Yes Δ No / Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

RUSH

S-8194, ULINE, 800-295-5510

Ver: 11/01/2020

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-126.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-420-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 3/30/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Burton 35-1	Project #: 88000207			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FS10 (890-420-10)	3/23/21	13:51 Mountain		Solid			X	X	X	1	
FS11 (890-420-11)	3/23/21	13:53 Mountain		Solid			X	X	X	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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Chloe Coffman	3-24-21 1010			3/24/21 2:00pm	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-420-1
SDG Number: Lea

Login Number: 420
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-420-1
SDG Number: Lea

Login Number: 420
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/24/21 02:37 PM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-434-1
Laboratory Sample Delivery Group: 31402909.02
Client Project/Site: Burton 35-1

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
4/5/2021 1:42:43 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Burton 35-1

Laboratory Job ID: 890-434-1
SDG: 31402909.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Job ID: 890-434-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-434-1

Receipt
The samples were received on 3/25/2021 3:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions
The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS12 (890-434-1), FS13 (890-434-2), FS14 (890-434-3), FS15 (890-434-4), FS16 (890-434-5), FS17 (890-434-6), FS18 (890-434-7), FS19 (890-434-8), FS20 (890-434-9), FS21 (890-434-10), FS22 (890-434-11), FS23 (890-434-12), FS24 (890-434-13), FS25 (890-434-14), FS26 (890-434-15), FS27 (890-434-16), SW01 (890-434-17) and SW02 (890-434-18).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: FS16 (890-434-5), FS18 (890-434-7), FS21 (890-434-10), FS24 (890-434-13) and FS27 (890-434-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW01 (890-434-17) and SW02 (890-434-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

HPLC/IC
Method 300_ORGFM_28D: An incorrect volume of spiking solution was inadvertently added to the Chloride matrix spike (MS), and matrix spike duplicate (MSD) associated with preparation batch 880-1308 and 880-1308 and analytical batch 880-1309. Percent recoveries are based on the no spike.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS12

Lab Sample ID: 890-434-1
Matrix: Solid
Date Collected: 03/25/21 09:49
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 08:20	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/29/21 17:21*	*03/30/21 08:20*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*03/29/21 17:21*	*03/30/21 08:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 12:18	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/29/21 16:27*	*03/30/21 12:18*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/29/21 16:27*	*03/30/21 12:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**458**	**F1**	5.00		mg/Kg			04/04/21 18:07	1

Client Sample ID: FS13

Lab Sample ID: 890-434-2
Matrix: Solid
Date Collected: 03/25/21 09:57
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/29/21 17:21	03/30/21 08:41	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/29/21 17:21*	*03/30/21 08:41*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/29/21 17:21*	*03/30/21 08:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 13:21	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS13

Lab Sample ID: 890-434-2
Matrix: Solid
Date Collected: 03/25/21 09:57
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 13:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 13:21	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/29/21 16:27*	*03/30/21 13:21*	*1*
o-Terphenyl	*96*		*70 - 130*	*03/29/21 16:27*	*03/30/21 13:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**660**		5.04		mg/Kg			04/04/21 18:21	1

Client Sample ID: FS14

Lab Sample ID: 890-434-3
Matrix: Solid
Date Collected: 03/25/21 09:59
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
Toluene	**0.00312**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
Ethylbenzene	**0.0188**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
o-Xylene	**0.0101**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
Xylenes, Total	**0.0101**		0.00400		mg/Kg		03/29/21 17:21	03/30/21 09:01	1
Total BTEX	**0.0320**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 09:01*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*03/29/21 17:21*	*03/30/21 09:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 13:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 13:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 13:42	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/29/21 16:27*	*03/30/21 13:42*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/29/21 16:27*	*03/30/21 13:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.05		mg/Kg			04/04/21 18:26	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS15

Lab Sample ID: 890-434-4
Date Collected: 03/25/21 10:01
Matrix: Solid
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/21 17:21	03/30/21 09:22	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/29/21 17:21*	*03/30/21 09:22*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/29/21 17:21*	*03/30/21 09:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 14:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 14:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 14:04	1
Total TPH	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:04*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**962**		5.03		mg/Kg			04/04/21 18:31	1

Client Sample ID: FS16

Lab Sample ID: 890-434-5
Date Collected: 03/25/21 10:03
Matrix: Solid
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00369**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
Toluene	**0.0397**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
Ethylbenzene	**0.00246**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
o-Xylene	**0.00727**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
Xylenes, Total	**0.00727**		0.00401		mg/Kg		03/29/21 17:21	03/30/21 09:43	1
Total BTEX	**0.0531**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*243*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 09:43*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*03/29/21 17:21*	*03/30/21 09:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 14:25	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS16

Lab Sample ID: 890-434-5
Date Collected: 03/25/21 10:03
Matrix: Solid
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 14:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 14:25	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:25*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		4.97		mg/Kg			04/04/21 18:36	1

Client Sample ID: FS17

Lab Sample ID: 890-434-6
Date Collected: 03/25/21 10:05
Matrix: Solid
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/21 17:21	03/30/21 10:03	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/29/21 17:21*	*03/30/21 10:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/29/21 17:21*	*03/30/21 10:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 14:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 14:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 14:46	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:46*	*1*
o-Terphenyl	*99*		*70 - 130*	*03/29/21 16:27*	*03/30/21 14:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**289**		4.96		mg/Kg			04/04/21 18:51	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS18

Lab Sample ID: 890-434-7
Matrix: Solid
Date Collected: 03/25/21 10:24
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0118**		0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
Toluene	**0.0149**		0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
Ethylbenzene	**0.0683**		0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
m-Xylene & p-Xylene	**0.0219**		0.00402		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
o-Xylene	**0.0353**		0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
Xylenes, Total	**0.0572**		0.00402		mg/Kg		03/29/21 17:21	03/30/21 10:24	1
Total BTEX	**0.152**		0.00201		mg/Kg		03/29/21 17:21	03/30/21 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*03/29/21 17:21*	*03/30/21 10:24*	*1*
1,4-Difluorobenzene (Surr)	*32*	*S1-*	*70 - 130*	*03/29/21 17:21*	*03/30/21 10:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 15:07	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:07*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		4.96		mg/Kg			04/04/21 18:56	1

Client Sample ID: FS19

Lab Sample ID: 890-434-8
Matrix: Solid
Date Collected: 03/25/21 10:25
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
m-Xylene & p-Xylene	**0.00581**		0.00404		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
o-Xylene	**0.00258**		0.00202		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
Xylenes, Total	**0.00839**		0.00404		mg/Kg		03/29/21 17:21	03/30/21 10:45	1
Total BTEX	**0.00839**		0.00202		mg/Kg		03/29/21 17:21	03/30/21 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/29/21 17:21*	*03/30/21 10:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/29/21 17:21*	*03/30/21 10:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 15:28	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS19

Lab Sample ID: 890-434-8
Matrix: Solid
Date Collected: 03/25/21 10:25
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**56.8**		50.0		mg/Kg		03/29/21 16:27	03/30/21 15:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 15:28	1
Total TPH	**56.8**	**B**	50.0		mg/Kg		03/29/21 16:27	03/30/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:28*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1080**		5.00		mg/Kg			04/04/21 19:01	1

Client Sample ID: FS20

Lab Sample ID: 890-434-9
Matrix: Solid
Date Collected: 03/25/21 10:26
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
Toluene	**0.0104**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
Ethylbenzene	**0.0349**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
m-Xylene & p-Xylene	**0.0178**		0.00397		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
o-Xylene	**0.0126**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
Xylenes, Total	**0.0304**		0.00397		mg/Kg		03/29/21 17:21	03/30/21 11:05	1
Total BTEX	**0.0757**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*937*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 11:05*	*1*
1,4-Difluorobenzene (Surr)	*172*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 11:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.0132	U	0.0132		mg/Kg		03/29/21 16:27	03/30/21 15:49	1
Diesel Range Organics (Over C10-C28)	**0.0391**		0.0132		mg/Kg		03/29/21 16:27	03/30/21 15:49	1
OII Range Organics (Over C28-C36)	<0.0132	U	0.0132		mg/Kg		03/29/21 16:27	03/30/21 15:49	1
Total TPH	**0.0391**	**B**	0.0132		mg/Kg		03/29/21 16:27	03/30/21 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:49*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/29/21 16:27*	*03/30/21 15:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**821**		4.99		mg/Kg			04/04/21 19:06	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS21

Lab Sample ID: 890-434-10
Matrix: Solid
Date Collected: 03/25/21 10:27
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0194**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
Toluene	**0.0295**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
Ethylbenzene	**0.0472**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
m-Xylene & p-Xylene	**0.0282**		0.00399		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
o-Xylene	**0.00872**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
Xylenes, Total	**0.0369**		0.00399		mg/Kg		03/29/21 17:21	03/30/21 12:50	1
Total BTEX	**0.133**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*241*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 12:50*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*03/29/21 17:21*	*03/30/21 12:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/29/21 16:27	03/30/21 16:10	1
Diesel Range Organics (Over C10-C28)	**214**		49.8		mg/Kg		03/29/21 16:27	03/30/21 16:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/29/21 16:27	03/30/21 16:10	1
Total TPH	**214**	**B**	49.8		mg/Kg		03/29/21 16:27	03/30/21 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/29/21 16:27*	*03/30/21 16:10*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/29/21 16:27*	*03/30/21 16:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		4.99		mg/Kg			04/04/21 19:11	1

Client Sample ID: FS22

Lab Sample ID: 890-434-11
Matrix: Solid
Date Collected: 03/25/21 10:29
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
Toluene	**0.00346**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
Ethylbenzene	**0.00234**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
m-Xylene & p-Xylene	**0.00911**		0.00397		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
o-Xylene	**0.0114**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
Xylenes, Total	**0.0205**		0.00397		mg/Kg		03/29/21 17:21	03/30/21 13:11	1
Total BTEX	**0.0263**		0.00198		mg/Kg		03/29/21 17:21	03/30/21 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/29/21 17:21*	*03/30/21 13:11*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/29/21 17:21*	*03/30/21 13:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 16:52	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS22

Lab Sample ID: 890-434-11
Matrix: Solid
Date Collected: 03/25/21 10:29
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**529**		50.0		mg/Kg		03/29/21 16:27	03/30/21 16:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 16:52	1
Total TPH	**529**	**B**	50.0		mg/Kg		03/29/21 16:27	03/30/21 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/29/21 16:27*	*03/30/21 16:52*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/29/21 16:27*	*03/30/21 16:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**395**	**F1 F2**	5.00		mg/Kg			04/04/21 19:16	1

Client Sample ID: FS23

Lab Sample ID: 890-434-12
Matrix: Solid
Date Collected: 03/25/21 10:30
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 13:31	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/29/21 17:21*	*03/30/21 13:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/29/21 17:21*	*03/30/21 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:13	1
Diesel Range Organics (Over C10-C28)	**118**		49.9		mg/Kg		03/29/21 16:27	03/30/21 17:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:13	1
Total TPH	**118**	**B**	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:13*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		5.04		mg/Kg			04/04/21 19:30	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS24

Lab Sample ID: 890-434-13
Matrix: Solid
Date Collected: 03/25/21 10:34
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/29/21 17:21	03/30/21 13:52	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*214*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 13:52*	*1*
1,4-Difluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**89.2**	**B**	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:34	1
Diesel Range Organics (Over C10-C28)	**686**		49.9		mg/Kg		03/29/21 16:27	03/30/21 17:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:34	1
Total TPH	**775**	**B**	49.9		mg/Kg		03/29/21 16:27	03/30/21 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:34*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**741**		5.02		mg/Kg			04/04/21 19:35	1

Client Sample ID: FS25

Lab Sample ID: 890-434-14
Matrix: Solid
Date Collected: 03/25/21 10:35
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
o-Xylene	**0.00234**		0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/29/21 17:21	03/30/21 14:13	1
Total BTEX	**0.00234**		0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:13*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 17:55	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS25

Lab Sample ID: 890-434-14
Matrix: Solid
Date Collected: 03/25/21 10:35
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**63.2**		50.1		mg/Kg		03/29/21 16:27	03/30/21 17:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/29/21 16:27	03/30/21 17:55	1
Total TPH	**63.2**	**B**	50.1		mg/Kg		03/29/21 16:27	03/30/21 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:55*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/29/21 16:27*	*03/30/21 17:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**586**		5.05		mg/Kg			04/04/21 19:50	1

Client Sample ID: FS26

Lab Sample ID: 890-434-15
Matrix: Solid
Date Collected: 03/25/21 10:37
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/29/21 17:21	03/30/21 14:33	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/29/21 17:21	03/30/21 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:16	1
Diesel Range Organics (Over C10-C28)	**55.4**		50.0		mg/Kg		03/29/21 16:27	03/30/21 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:16	1
Total TPH	**55.4**	**B**	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:16*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**471**		5.05		mg/Kg			04/04/21 19:55	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS27

Lab Sample ID: 890-434-16
Matrix: Solid
Date Collected: 03/25/21 10:39
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0187**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
m-Xylene & p-Xylene	**0.00556**		0.00401		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
Xylenes, Total	**0.00556**		0.00401		mg/Kg		03/29/21 17:21	03/30/21 14:54	1
Total BTEX	**0.0243**		0.00200		mg/Kg		03/29/21 17:21	03/30/21 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:54*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/29/21 17:21*	*03/30/21 14:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 18:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 18:38	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/21 16:27	03/30/21 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:38*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**881**		4.97		mg/Kg			04/04/21 20:00	1

Client Sample ID: SW01

Lab Sample ID: 890-434-17
Matrix: Solid
Date Collected: 03/25/21 09:53
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0109**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
Ethylbenzene	**0.00653**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 15:15	1
Total BTEX	**0.0174**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/29/21 17:21*	*03/30/21 15:15*	*1*
1,4-Difluorobenzene (Surr)	*58*	*S1-*	*70 - 130*	*03/29/21 17:21*	*03/30/21 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:59	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: SW01

Lab Sample ID: 890-434-17
Matrix: Solid
Date Collected: 03/25/21 09:53
Date Received: 03/25/21 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:59	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:59*	*1*
o-Terphenyl	*96*		*70 - 130*	*03/29/21 16:27*	*03/30/21 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2760**		25.0		mg/Kg			04/04/21 20:05	5

Client Sample ID: SW02

Lab Sample ID: 890-434-18
Matrix: Solid
Date Collected: 03/25/21 09:55
Date Received: 03/25/21 15:47

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00247**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
Ethylbenzene	**0.00357**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/21 17:21	03/30/21 15:35	1
Total BTEX	**0.00604**		0.00199		mg/Kg		03/29/21 17:21	03/30/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*03/29/21 17:21*	*03/30/21 15:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/29/21 17:21*	*03/30/21 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 19:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 19:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 19:20	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/29/21 16:27*	*03/30/21 19:20*	*1*
o-Terphenyl	*94*		*70 - 130*	*03/29/21 16:27*	*03/30/21 19:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**613**		4.96		mg/Kg			04/04/21 20:10	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

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)								
890-434-1	FS12	95	112								
890-434-2	FS13	102	104								
890-434-3	FS14	175 S1+	122								
890-434-4	FS15	98	108								
890-434-5	FS16	243 S1+	63 S1-								
890-434-6	FS17	106	102								
890-434-7	FS18	51 S1-	32 S1-								
890-434-8	FS19	93	98								
890-434-9	FS20	937 S1+	172 S1+								
890-434-10	FS21	241 S1+	76								
890-434-11	FS22	96	100								
890-434-12	FS23	98	100								
890-434-13	FS24	214 S1+	147 S1+								
890-434-14	FS25	87	104								
890-434-15	FS26	92	100								
890-434-16	FS27	96	94								
890-434-17	SW01	107	58 S1-								
890-434-18	SW02	168 S1+	95								
LCS 880-1034/1-A	Lab Control Sample	100	98								
LCSD 880-1034/2-A	Lab Control Sample Dup	103	107								
MB 880-1032/5-A	Method Blank	112	92								
MB 880-1034/5-A	Method Blank	113	93								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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										
890-434-1 MS	FS12										
890-434-1 MSD	FS12										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-434-1	FS12	101	94								
890-434-1 MS	FS12	107	86								
890-434-1 MSD	FS12	105	86								
890-434-2	FS13	102	96								
890-434-3	FS14	96	90								

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-434-4	FS15	100	90								
890-434-5	FS16	101	92								
890-434-6	FS17	103	99								
890-434-7	FS18	97	88								
890-434-8	FS19	98	85								
890-434-9	FS20	101	92								
890-434-10	FS21	101	89								
890-434-11	FS22	98	84								
890-434-12	FS23	103	90								
890-434-13	FS24	101	85								
890-434-14	FS25	100	92								
890-434-15	FS26	102	92								
890-434-16	FS27	95	83								
890-434-17	SW01	104	96								
890-434-18	SW02	103	94								
LCS 880-1026/2-A	Lab Control Sample	104	87								
LCSD 880-1026/3-A	Lab Control Sample Dup	108	92								
MB 880-1026/1-A	Method Blank	98	93								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1032/5-A
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/21 17:04	03/29/21 20:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/29/21 17:04	03/29/21 20:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/29/21 17:04*	*03/29/21 20:58*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/29/21 17:04*	*03/29/21 20:58*	*1*

Lab Sample ID: MB 880-1034/5-A
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/21 17:21	03/30/21 07:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/29/21 17:21	03/30/21 07:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/29/21 17:21*	*03/30/21 07:58*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/29/21 17:21*	*03/30/21 07:58*	*1*

Lab Sample ID: LCS 880-1034/1-A
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08973		mg/Kg		90	70 - 130
Toluene	0.100	0.09780		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09704		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09888		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

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

Lab Sample ID: LCSD 880-1034/2-A
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1034

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09692		mg/Kg		97	70 - 130	8	35
Toluene			0.100	0.1081		mg/Kg		108	70 - 130	10	35
Ethylbenzene			0.100	0.1025		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2018		mg/Kg		101	70 - 130	5	35
o-Xylene			0.100	0.1038		mg/Kg		104	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-434-1 MS
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: FS12
Prep Type: Total/NA
Prep Batch: 1034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0996	0.04633		mg/Kg					
Toluene	<0.00199	U	0.0996	0.06507		mg/Kg					
Ethylbenzene	<0.00199	U	0.0996	0.06393		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1376		mg/Kg					
o-Xylene	<0.00199	U	0.0996	0.07198		mg/Kg					

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 890-434-1 MSD
Matrix: Solid
Analysis Batch: 1033

Client Sample ID: FS12
Prep Type: Total/NA
Prep Batch: 1034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1045		mg/Kg					
Toluene	<0.00199	U	0.100	0.1105		mg/Kg					
Ethylbenzene	<0.00199	U	0.100	0.1008		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1972		mg/Kg					
o-Xylene	<0.00199	U	0.100	0.09989		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

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

Lab Sample ID: MB 880-1026/1-A
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	216.3		50.0		mg/Kg		03/29/21 16:27	03/30/21 11:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 11:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/21 16:27	03/30/21 11:14	1
Total TPH	216.3		50.0		mg/Kg		03/29/21 16:27	03/30/21 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/29/21 16:27*	*03/30/21 11:14*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/29/21 16:27*	*03/30/21 11:14*	*1*

Lab Sample ID: LCS 880-1026/2-A
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1112		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	933.8		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: LCSD 880-1026/3-A
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1135		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	979.0		mg/Kg		98	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-434-1 MS
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: FS12
Prep Type: Total/NA
Prep Batch: 1026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1097		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	948.7		mg/Kg		95	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

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

Lab Sample ID: 890-434-1 MS
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: FS12
Prep Type: Total/NA
Prep Batch: 1026

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 890-434-1 MSD
Matrix: Solid
Analysis Batch: 1050

Client Sample ID: FS12
Prep Type: Total/NA
Prep Batch: 1026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1129		mg/Kg		113	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	941.1		mg/Kg		94	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	86		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1308/1-A
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/04/21 17:52	1

Lab Sample ID: LCS 880-1308/2-A
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	251.1		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-1308/3-A
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-434-1 MS
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: FS12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	458	F1	250	484.8	F1	mg/Kg		11	90 - 110		

QC Sample Results

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-434-1 MSD
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: FS12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	458	F1	250	485.3	F1	mg/Kg		11	90 - 110	0	20

Lab Sample ID: 890-434-11 MS
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: FS22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	395	F1 F2	2.50	4.192	4	mg/Kg		-1561	90 - 110		
								5			

Lab Sample ID: 890-434-11 MSD
Matrix: Solid
Analysis Batch: 1309

Client Sample ID: FS22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	395	F1 F2	250	418.3	F1 F2	mg/Kg		9	90 - 110	196	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

GC VOA

Prep Batch: 1032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1032/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Total/NA	Solid	8021B	1034
890-434-2	FS13	Total/NA	Solid	8021B	1034
890-434-3	FS14	Total/NA	Solid	8021B	1034
890-434-4	FS15	Total/NA	Solid	8021B	1034
890-434-5	FS16	Total/NA	Solid	8021B	1034
890-434-6	FS17	Total/NA	Solid	8021B	1034
890-434-7	FS18	Total/NA	Solid	8021B	1034
890-434-8	FS19	Total/NA	Solid	8021B	1034
890-434-9	FS20	Total/NA	Solid	8021B	1034
890-434-10	FS21	Total/NA	Solid	8021B	1034
890-434-11	FS22	Total/NA	Solid	8021B	1034
890-434-12	FS23	Total/NA	Solid	8021B	1034
890-434-13	FS24	Total/NA	Solid	8021B	1034
890-434-14	FS25	Total/NA	Solid	8021B	1034
890-434-15	FS26	Total/NA	Solid	8021B	1034
890-434-16	FS27	Total/NA	Solid	8021B	1034
890-434-17	SW01	Total/NA	Solid	8021B	1034
890-434-18	SW02	Total/NA	Solid	8021B	1034
MB 880-1032/5-A	Method Blank	Total/NA	Solid	8021B	1032
MB 880-1034/5-A	Method Blank	Total/NA	Solid	8021B	1034
LCS 880-1034/1-A	Lab Control Sample	Total/NA	Solid	8021B	1034
LCSD 880-1034/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1034
890-434-1 MS	FS12	Total/NA	Solid	8021B	1034
890-434-1 MSD	FS12	Total/NA	Solid	8021B	1034

Prep Batch: 1034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Total/NA	Solid	5035	
890-434-2	FS13	Total/NA	Solid	5035	
890-434-3	FS14	Total/NA	Solid	5035	
890-434-4	FS15	Total/NA	Solid	5035	
890-434-5	FS16	Total/NA	Solid	5035	
890-434-6	FS17	Total/NA	Solid	5035	
890-434-7	FS18	Total/NA	Solid	5035	
890-434-8	FS19	Total/NA	Solid	5035	
890-434-9	FS20	Total/NA	Solid	5035	
890-434-10	FS21	Total/NA	Solid	5035	
890-434-11	FS22	Total/NA	Solid	5035	
890-434-12	FS23	Total/NA	Solid	5035	
890-434-13	FS24	Total/NA	Solid	5035	
890-434-14	FS25	Total/NA	Solid	5035	
890-434-15	FS26	Total/NA	Solid	5035	
890-434-16	FS27	Total/NA	Solid	5035	
890-434-17	SW01	Total/NA	Solid	5035	
890-434-18	SW02	Total/NA	Solid	5035	
MB 880-1034/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1034/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

GC VOA (Continued)

Prep Batch: 1034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1034/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-434-1 MS	FS12	Total/NA	Solid	5035	
890-434-1 MSD	FS12	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 1026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Total/NA	Solid	8015NM Prep	
890-434-2	FS13	Total/NA	Solid	8015NM Prep	
890-434-3	FS14	Total/NA	Solid	8015NM Prep	
890-434-4	FS15	Total/NA	Solid	8015NM Prep	
890-434-5	FS16	Total/NA	Solid	8015NM Prep	
890-434-6	FS17	Total/NA	Solid	8015NM Prep	
890-434-7	FS18	Total/NA	Solid	8015NM Prep	
890-434-8	FS19	Total/NA	Solid	8015NM Prep	
890-434-9	FS20	Total/NA	Solid	8015NM Prep	
890-434-10	FS21	Total/NA	Solid	8015NM Prep	
890-434-11	FS22	Total/NA	Solid	8015NM Prep	
890-434-12	FS23	Total/NA	Solid	8015NM Prep	
890-434-13	FS24	Total/NA	Solid	8015NM Prep	
890-434-14	FS25	Total/NA	Solid	8015NM Prep	
890-434-15	FS26	Total/NA	Solid	8015NM Prep	
890-434-16	FS27	Total/NA	Solid	8015NM Prep	
890-434-17	SW01	Total/NA	Solid	8015NM Prep	
890-434-18	SW02	Total/NA	Solid	8015NM Prep	
MB 880-1026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-434-1 MS	FS12	Total/NA	Solid	8015NM Prep	
890-434-1 MSD	FS12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Total/NA	Solid	8015B NM	1026
890-434-2	FS13	Total/NA	Solid	8015B NM	1026
890-434-3	FS14	Total/NA	Solid	8015B NM	1026
890-434-4	FS15	Total/NA	Solid	8015B NM	1026
890-434-5	FS16	Total/NA	Solid	8015B NM	1026
890-434-6	FS17	Total/NA	Solid	8015B NM	1026
890-434-7	FS18	Total/NA	Solid	8015B NM	1026
890-434-8	FS19	Total/NA	Solid	8015B NM	1026
890-434-9	FS20	Total/NA	Solid	8015B NM	1026
890-434-10	FS21	Total/NA	Solid	8015B NM	1026
890-434-11	FS22	Total/NA	Solid	8015B NM	1026
890-434-12	FS23	Total/NA	Solid	8015B NM	1026
890-434-13	FS24	Total/NA	Solid	8015B NM	1026
890-434-14	FS25	Total/NA	Solid	8015B NM	1026
890-434-15	FS26	Total/NA	Solid	8015B NM	1026
890-434-16	FS27	Total/NA	Solid	8015B NM	1026
890-434-17	SW01	Total/NA	Solid	8015B NM	1026

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

GC Semi VOA (Continued)

Analysis Batch: 1050 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-18	SW02	Total/NA	Solid	8015B NM	1026
MB 880-1026/1-A	Method Blank	Total/NA	Solid	8015B NM	1026
LCS 880-1026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1026
LCSD 880-1026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1026
890-434-1 MS	FS12	Total/NA	Solid	8015B NM	1026
890-434-1 MSD	FS12	Total/NA	Solid	8015B NM	1026

HPLC/IC

Leach Batch: 1308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Soluble	Solid	DI Leach	
890-434-2	FS13	Soluble	Solid	DI Leach	
890-434-3	FS14	Soluble	Solid	DI Leach	
890-434-4	FS15	Soluble	Solid	DI Leach	
890-434-5	FS16	Soluble	Solid	DI Leach	
890-434-6	FS17	Soluble	Solid	DI Leach	
890-434-7	FS18	Soluble	Solid	DI Leach	
890-434-8	FS19	Soluble	Solid	DI Leach	
890-434-9	FS20	Soluble	Solid	DI Leach	
890-434-10	FS21	Soluble	Solid	DI Leach	
890-434-11	FS22	Soluble	Solid	DI Leach	
890-434-12	FS23	Soluble	Solid	DI Leach	
890-434-13	FS24	Soluble	Solid	DI Leach	
890-434-14	FS25	Soluble	Solid	DI Leach	
890-434-15	FS26	Soluble	Solid	DI Leach	
890-434-16	FS27	Soluble	Solid	DI Leach	
890-434-17	SW01	Soluble	Solid	DI Leach	
890-434-18	SW02	Soluble	Solid	DI Leach	
MB 880-1308/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1308/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1308/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-434-1 MS	FS12	Soluble	Solid	DI Leach	
890-434-1 MSD	FS12	Soluble	Solid	DI Leach	
890-434-11 MS	FS22	Soluble	Solid	DI Leach	
890-434-11 MSD	FS22	Soluble	Solid	DI Leach	

Analysis Batch: 1309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-1	FS12	Soluble	Solid	300.0	1308
890-434-2	FS13	Soluble	Solid	300.0	1308
890-434-3	FS14	Soluble	Solid	300.0	1308
890-434-4	FS15	Soluble	Solid	300.0	1308
890-434-5	FS16	Soluble	Solid	300.0	1308
890-434-6	FS17	Soluble	Solid	300.0	1308
890-434-7	FS18	Soluble	Solid	300.0	1308
890-434-8	FS19	Soluble	Solid	300.0	1308
890-434-9	FS20	Soluble	Solid	300.0	1308
890-434-10	FS21	Soluble	Solid	300.0	1308
890-434-11	FS22	Soluble	Solid	300.0	1308
890-434-12	FS23	Soluble	Solid	300.0	1308

QC Association Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

HPLC/IC (Continued)

Analysis Batch: 1309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-434-13	FS24	Soluble	Solid	300.0	1308
890-434-14	FS25	Soluble	Solid	300.0	1308
890-434-15	FS26	Soluble	Solid	300.0	1308
890-434-16	FS27	Soluble	Solid	300.0	1308
890-434-17	SW01	Soluble	Solid	300.0	1308
890-434-18	SW02	Soluble	Solid	300.0	1308
MB 880-1308/1-A	Method Blank	Soluble	Solid	300.0	1308
LCS 880-1308/2-A	Lab Control Sample	Soluble	Solid	300.0	1308
LCSD 880-1308/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1308
890-434-1 MS	FS12	Soluble	Solid	300.0	1308
890-434-1 MSD	FS12	Soluble	Solid	300.0	1308
890-434-11 MS	FS22	Soluble	Solid	300.0	1308
890-434-11 MSD	FS22	Soluble	Solid	300.0	1308

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS12
Date Collected: 03/25/21 09:49
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 08:20	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 12:18	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:07	CH	XM

Client Sample ID: FS13
Date Collected: 03/25/21 09:57
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 08:41	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 13:21	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:21	CH	XM

Client Sample ID: FS14
Date Collected: 03/25/21 09:59
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 09:01	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 13:42	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:26	CH	XM

Client Sample ID: FS15
Date Collected: 03/25/21 10:01
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 09:22	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 14:04	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:31	CH	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

Client Sample ID: FS16 Lab Sample ID: 890-434-5

Date Collected: 03/25/21 10:03 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 09:43	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 14:25	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:36	CH	XM

Client Sample ID: FS17 Lab Sample ID: 890-434-6

Date Collected: 03/25/21 10:05 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 10:03	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 14:46	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:51	CH	XM

Client Sample ID: FS18 Lab Sample ID: 890-434-7

Date Collected: 03/25/21 10:24 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 10:24	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 15:07	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 18:56	CH	XM

Client Sample ID: FS19 Lab Sample ID: 890-434-8

Date Collected: 03/25/21 10:25 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 10:45	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 15:28	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:01	CH	XM

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Client Sample ID: FS20
Date Collected: 03/25/21 10:26
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 11:05	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 15:49	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:06	CH	XM

Client Sample ID: FS21
Date Collected: 03/25/21 10:27
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 12:50	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 16:10	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:11	CH	XM

Client Sample ID: FS22
Date Collected: 03/25/21 10:29
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 13:11	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 16:52	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:16	CH	XM

Client Sample ID: FS23
Date Collected: 03/25/21 10:30
Date Received: 03/25/21 15:47

Lab Sample ID: 890-434-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 13:31	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 17:13	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:30	CH	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

Client Sample ID: FS24 Lab Sample ID: 890-434-13

Date Collected: 03/25/21 10:34 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 13:52	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 17:34	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:35	CH	XM

Client Sample ID: FS25 Lab Sample ID: 890-434-14

Date Collected: 03/25/21 10:35 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 14:13	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 17:55	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:50	CH	XM

Client Sample ID: FS26 Lab Sample ID: 890-434-15

Date Collected: 03/25/21 10:37 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 14:33	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 18:16	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 19:55	CH	XM

Client Sample ID: FS27 Lab Sample ID: 890-434-16

Date Collected: 03/25/21 10:39 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 14:54	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 18:38	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 20:00	CH	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

Client Sample ID: SW01 Lab Sample ID: 890-434-17

Date Collected: 03/25/21 09:53 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 15:15	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 18:59	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		5	1309	04/04/21 20:05	CH	XM

Client Sample ID: SW02 Lab Sample ID: 890-434-18

Date Collected: 03/25/21 09:55 **Matrix: Solid**
Date Received: 03/25/21 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1034	03/29/21 17:21	KL	XM
Total/NA	Analysis	8021B		1	1033	03/30/21 15:35	KL	XM
Total/NA	Prep	8015NM Prep			1026	03/29/21 16:27	DM	XM
Total/NA	Analysis	8015B NM		1	1050	03/30/21 19:20	AJ	XM
Soluble	Leach	DI Leach			1308	04/04/21 16:00	CH	XM
Soluble	Analysis	300.0		1	1309	04/04/21 20:10	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Laboratory: Eurofins Xenco, Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc. Job ID: 890-434-1
Project/Site: Burton 35-1 SDG: 31402909.02

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

Protocol References:

ASTM = ASTM International

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Burton 35-1

Job ID: 890-434-1
SDG: 31402909.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-434-1	FS12	Solid	03/25/21 09:49	03/25/21 15:47	
890-434-2	FS13	Solid	03/25/21 09:57	03/25/21 15:47	
890-434-3	FS14	Solid	03/25/21 09:59	03/25/21 15:47	
890-434-4	FS15	Solid	03/25/21 10:01	03/25/21 15:47	
890-434-5	FS16	Solid	03/25/21 10:03	03/25/21 15:47	
890-434-6	FS17	Solid	03/25/21 10:05	03/25/21 15:47	
890-434-7	FS18	Solid	03/25/21 10:24	03/25/21 15:47	
890-434-8	FS19	Solid	03/25/21 10:25	03/25/21 15:47	
890-434-9	FS20	Solid	03/25/21 10:26	03/25/21 15:47	
890-434-10	FS21	Solid	03/25/21 10:27	03/25/21 15:47	
890-434-11	FS22	Solid	03/25/21 10:29	03/25/21 15:47	
890-434-12	FS23	Solid	03/25/21 10:30	03/25/21 15:47	
890-434-13	FS24	Solid	03/25/21 10:34	03/25/21 15:47	
890-434-14	FS25	Solid	03/25/21 10:35	03/25/21 15:47	
890-434-15	FS26	Solid	03/25/21 10:37	03/25/21 15:47	
890-434-16	FS27	Solid	03/25/21 10:39	03/25/21 15:47	
890-434-17	SW01	Solid	03/25/21 09:53	03/25/21 15:47	
890-434-18	SW02	Solid	03/25/21 09:55	03/25/21 15:47	

Chain of Custody

XENCO LABORATORIES

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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35-1	Turn Around	
Project Number:	31402909.02	Routine	☑
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.2/1.0	Thermometer ID	
Received Intact:	(Yes) No		NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	

ANALYSIS REQUEST

890-434 Chain of Custody

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS12	s	3/25/2021	9:49	2'	1	x	x	x	Composite
FS13	s	3/25/2021	9:57	1'	1	x	x	x	Composite
FS14	s	3/25/2021	9:59	1'	1	x	x	x	Composite
FS15	s	3/25/2021	10:01	1'	1	x	x	x	Composite
FS16	s	3/25/2021	10:03	1'	1	x	x	x	Composite
FS17	s	3/25/2021	10:05	1'	1	x	x	x	Composite
FS18	s	3/25/2021	10:24	1'	1	x	x	x	Composite
FS19	s	3/25/2021	10:25	1'	1	x	x	x	Composite
FS20	s	3/25/2021	10:26	1'	1	x	x	x	Composite
FS21	s	3/25/2021	10:27	1'	1	x	x	x	Composite

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471**: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1				2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: _____

XENCO LABORATORIES
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
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavarez
Company Name:	WSP USA Inc., Permian office	Company Name:	Concho Operating
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849 Email:		will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Burton 35-1	Turn Around	
Project Number:	31402909.02	Routine	✓
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID	See Tab 1	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS22	s	3/25/2021	10:29	1'	1	x	x	x	Composite
FS23	s	3/25/2021	10:30	1'	1	x	x	x	Composite
FS24	s	3/25/2021	10:34	1'	1	x	x	x	Composite
FS25	s	3/25/2021	10:35	1'	1	x	x	x	Composite
FS26	s	3/25/2021	10:37	1'	1	x	x	x	Composite
FS27	s	3/25/2021	10:39	1'	1	x	x	x	Composite
SW01	s	3/25/2021	9:53	1'	1	x	x	x	Composite
SW02	s	3/25/2021	9:55	1'	1	x	x	x	Composite

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3.25.21 1547	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-133.1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-434-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Burton 35-1	Project #: 88000207			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B NaOH, C - Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FS12 (890-434-1)	3/25/21	09 49 Mountain		Solid			X	X	X	1	
FS13 (890-434-2)	3/25/21	09 57 Mountain		Solid			X	X	X	1	
FS14 (890-434-3)	3/25/21	09 59 Mountain		Solid			X	X	X	1	
FS15 (890-434-4)	3/25/21	10 01 Mountain		Solid			X	X	X	1	
FS16 (890-434-5)	3/25/21	10 03 Mountain		Solid			X	X	X	1	
FS17 (890-434-6)	3/25/21	10 05 Mountain		Solid			X	X	X	1	
FS18 (890-434-7)	3/25/21	10 24 Mountain		Solid			X	X	X	1	
FS19 (890-434-8)	3/25/21	10 25 Mountain		Solid			X	X	X	1	
FS20 (890-434-9)	3/25/21	10 26 Mountain		Solid			X	X	X	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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Chee Cafe 3.26.21				3/29/21 11:30am	
2						
3						

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer, Jessica	Carrier Tracking No(s)	COC No: 890-133 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-434-1
Address: 1211 W Florida Ave	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Burton 35-1	Project #: 88000207			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane		
B NaOH	N None		
C - Zn Acetate	O AsNaO2		
D - Nitric Acid	P Na2O4S		
E NaHSO4	Q Na2SO3		
F - MeOH	R Na2S2O3		
G Amchlor	S - H2SO4		
H - Ascorbic Acid	T TSP Dodecahydrate		
I Ice	U Acetone		
J DI Water	V MCAA		
K EDTA	W pH 4-5		
L EDA	Z other (specify)		

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	Total Number of containers	Special Instructions/Note.
			Preservation Code:								
FS21 (890-434-10)	3/25/21	10 27 Mountain		Solid			X	X	X	1	
FS22 (890-434-11)	3/25/21	10 29 Mountain		Solid			X	X	X	1	
FS23 (890-434-12)	3/25/21	10 30 Mountain		Solid			X	X	X	1	
FS24 (890-434-13)	3/25/21	10 34 Mountain		Solid			X	X	X	1	
FS25 (890-434-14)	3/25/21	10 35 Mountain		Solid			X	X	X	1	
FS26 (890-434-15)	3/25/21	10 37 Mountain		Solid			X	X	X	1	
FS27 (890-434-16)	3/25/21	10 39 Mountain		Solid			X	X	X	1	
SW01 (890-434-17)	3/25/21	09 53 Mountain		Solid			X	X	X	1	
SW02 (890-434-18)	3/25/21	09 55 Mountain		Solid			X	X	X	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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Ice Cube 3.26.21	Date/Time:	Company	Received by:	Date/Time: 3/29/21 11:30am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-434-1
SDG Number: 31402909.02

Login Number: 434
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-434-1
SDG Number: 31402909.02

Login Number: 434
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/29/21 11:58 AM

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	

ATTACHMENT 5: FINAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Burton 35 1H **Date of Spill:** 7-Dec-2020

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank **place an "X" here:** X

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here:	0.0 BBL	0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	80 ft		85 ft	X	0.75 in	50%
Rectangle Area #2	0 ft	X	0 0	X	0.00 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A *(place an "X")*

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* Sand = **0.08** gallon (gal.) liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.14** gal. liquid per gal. volume of soil.
* Sandy clay loam soil = **0.14** gal liquid per gal. volume of soil.
* Clay loam = **0.16** gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occurs when the spill soaked soil is contained by barriers, natural (or not).
* Clay loam = **0.20** gal. liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.25** gal. liquid per gal. volume of soil.
* Sandy loam = **0.5** gal. liquid per gal. volume of soil.

	sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	6,800	213	213
Total Free Liquid Volume:			

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	5.3 BBL	5.3 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	**5.3 BBL**	**5.3 BBL**
Total Liquid Spill Liquid:	**5.3 BBL**	**5.30 BBL**

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 6,800 sq. ft.

Surface Area: .1561 acre

Recovered Volumes

Estimated oil recovered: BBL check - okay

Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil =	47,600 lbs	425 cu. ft.	16 cu. yds.
Total Liquid =	11 BBL	445 gallon	3,703 lbs

Air Emission from flowline leaks:

Volume of oil spill:	-	BBL
Separator gas calculated:	-	MCF
Separator gas released:	-	MCF
Gas released from oil:	-	lb
H2S released:	-	lb
Total HC gas released:	-	lb
Total HC gas released:	-	MCF

Air Emission of Reporting Requirements:

	New Mexico	Texas
HC gas release reportable?	NO	NO
H2S release reportable?	NO	NO

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2036146879
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2036146879
District RP	
Facility ID	
Application ID	

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

Printed Name: Ike Tavarez Title: Senior HSE Supervisor

Signature: _____ Date: 6/14/2021

email: Ike.Tavarez@conocophillips.com Telephone: 432-685-2573

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2036146879
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Ike Tavarez Title: Senior HSE Supervisor

Signature: Date: 6/14/2021

email: Ike.Tavarez@conocophillips.com Telephone: 432-685-2573

OCD Only

Received by: Date:

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

Closure Approved by: Date:

Printed Name: Title:

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2036146879
District RP	
Facility ID	
Application ID	

Closure

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Printed Name: Ike Tavarez Title: Senior HSE Supervisor

Signature: Date: 6/14/2021

email: Ike.Tavarez@conocophillips.com Telephone: 432-685-2573

OCD Only

Received by: Robert Hamlet Date: 9/15/2021

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

Closure Approved by: Robert Hamlet Date: 9/15/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 31850

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 31850
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2036146879 BURTON 35 001, thank you. This closure is approved.	9/15/2021