



WSP USA

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Midland, Texas 79705
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April 30, 2021

District 1 - Hobbs
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

**Re: Closure Request
Stove Pipe Federal Com 002H
Incident Numbers nAPP2102727891 and nAPP2108432291
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 Stove Pipe Federal Com 002H (Site) located in Unit B, Section 06, Township 25 South, Range 35 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 two release events at the Site. Based on excavation activities and soil analytical results, Concho is submitting this Closure Request describing remediation activities that occurred and requesting no further action (NFA) for Incident Numbers nAPP2102727891 and nAPP2108432291.

RELEASE BACKGROUND

On January 14, 2021, internal corrosion created a pinhole on a flow line resulting in a release of fluids to the surrounding pasture. Approximately 293 barrels (bbls) of produced water and approximately 2 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluid; approximately 70 bbls of produced water and no crude oil were recovered. Concho immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on January 14, 2021 and subsequently submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on January 27, 2021. The release was assigned Incident Number nAPP2102727891.

On March 15, 2021, internal corrosion created a pinhole in a nearby steel riser resulting in a release of approximately 20 bbls of produced water into the surrounding pasture. The release extent overlapped a portion of the January 14, 2021 release extent. A vacuum truck was dispatched to the Site to recover free-standing fluid; approximately 18 bbls of produced water were recovered. Concho provided a written report of the release to NMOCD on a Form C-141 on March 25, 2021. The release was assigned Incident Number nAPP2108432291.



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 02388, located approximately 0.99 miles southeast of the Site. The groundwater well has a reported depth to groundwater of 165 feet bgs and a total depth of 180 feet bgs. Ground surface elevation at the groundwater well location is 3,282 feet above mean sea level (amsl), which is approximately 30 feet lower in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.

In an effort to confirm depth to water in the area, a borehole (BH01) was advanced to a depth of approximately 105 feet bgs via sonic drill rig. The borehole was advanced approximately 297 feet east of the Site. The location of the borehole is provided on Figure 1. The borehole lithologic/soil sampling log provided by Scarborough Drilling is included in Attachment 2. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater to accumulate within the borehole. On March 1, 2021, after the 72-hour waiting period ended without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 105 feet bgs. The borehole was properly abandoned utilizing hydrated bentonite chips.

The closest continuously flowing water or significant watercourse to the Site is an intermittent riverine located approximately 1.33 miles northeast 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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet in the pasture area that was impacted by the two releases, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed immediately following remediation.

SITE ASSESSMENT AND EXCAVATION ACTIVITIES

On February 4, 2021, WSP personnel visited the Site to verify the excavation had been completed by Concho subcontractors and evaluate site work. Approximately 5,020 cubic yards of impacted soil were removed prior to WSP personnel visiting the Site. The excavation extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was conducted and is included in Attachment 3.

WSP personnel 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. Soil from the confirmation samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively.

A total of 150 confirmation floor samples (FS01 through FS150) and 24 original confirmation sidewall samples (SW01 through SW24) were collected from the excavation. The confirmation floor samples were collected at approximately 4 feet bgs. The confirmation sidewall samples were collected from ground surface to a maximum depth of approximately 4 feet bgs. The confirmation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2.

All confirmation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) 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 confirmation floor samples FS52, FS64, FS65, FS79, FS81, FS85, FS102, and FS108 (Figure 2) indicated chloride concentrations exceeded the Closure Criteria and as a result, additional excavation in the vicinity of these confirmation floor samples appeared warranted to address residual chloride-impacted soil. Additionally, laboratory analytical results for confirmation floor samples FS124, FS129, and FS133 indicated that TPH-GRO/TPH-DRO concentrations exceeded Closure Criteria. Based on elevated chloride and TPH concentrations in



soil samples, the excavation was extended. Additional soil was removed from the area around those areas and subsequent samples FS52A, FS64A, FS65A, FS79A, FS81A, FS85A, FS102A, FS108A, FS124A, FS129A, and FS133A were collected. The final excavation soil sample locations are presented on Figure 2.

On March 15, 2021, WSP personnel visited the site to document the release from the steel riser (nAPP2108432291). The produced water release spilled into the open excavation and overlapped with the January 14, 2021 produced water and crude oil release event. The release extent covered approximately 1,367 square feet. As a result, confirmation floor sample locations FS03, FS07, FS11, FS13, FS14, FS15, and FS21 were extended and additional soil was removed. Once the areas were excavated subsequent confirmation samples FS03A, FS07A, FS11A, FS13A, FS14A, FS15A, and FS21A were collected at depths ranging from approximately 6 feet to 7.5 feet bgs. The excavation soil samples were collected, handled, and analyzed as described above. The final excavation soil sample locations are presented on Figure 2.

The final excavation extent totaled approximately 29,900 square feet. At the completion of excavation activities, approximately 5,500 cubic yards of soil had been removed. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill located in Jal, New Mexico. The excavated area was backfilled with material purchased locally and recontoured the Site to match pre-existing site conditions.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples FS52, FS64, FS65, FS79, FS81, FS102, and FS108 indicated chloride concentrations initially exceeded the Closure Criteria. Additional impacted soil was removed from the areas, and subsequent floor samples FS52A, FS64A, FS65A, FS79A, FS81A, FS85A, FS102A, and FS108A were collected. Laboratory analytical results for excavation floor samples FS124, FS129, and FS133 indicated TPH-GRO/TPH-DRO concentrations initially exceeded the Closure Criteria. Additional impacted soil was removed from the areas, and subsequent floor samples FS124A, FS129A, and FS133A were collected. After the March 15, 2021 release event field screening results indicated confirmation floor samples FS03, FS07, FS11, FS13, FS14, FS15, and FS21 exceeded the Closure Criteria at the Site. Additional impacted soil was removed from the areas, and subsequent floor samples FS03A, FS07A, FS11A, FS13A, FS14A, FS15A, and FS21A were collected. At the completion of excavation activities, all floor samples (FS01 through FS150) and final sidewall samples (SW01 through SW24) were compliant with Closure Criteria and/or the reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Attachment 4.

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Page 5**CLOSURE REQUEST**

Site assessment and excavation activities were conducted to address the January 14, 2021 and March 15, 2021 release events. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated benzene, BTEX, TPH-GRO/ TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, soil samples collected in the pasture from within the top 4 feet of the ground surface were compliant with the reclamation requirement to have no waste-containing soil within the top 4 feet of the subsurface in locations to be reclaimed immediately. Based on the excavation soil sample analytical results, no further remediation appears necessary. Concho has backfilled the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The pasture excavation will be re-seeded with an approved BLM seed mixture.

Initial response efforts, which included removal of free-standing fluids and excavation of impacted and waste-containing 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 Numbers nAPP2102727891 and nAPP2108432291. A 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.

A handwritten signature in black ink, appearing to read 'W. Mather'.

William Mather
Assistant Consultant

A handwritten signature in black ink, appearing to read 'Ashley L. Ager'.

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

cc: Ike Tavaréz, Concho Operating LLC

Attachments:

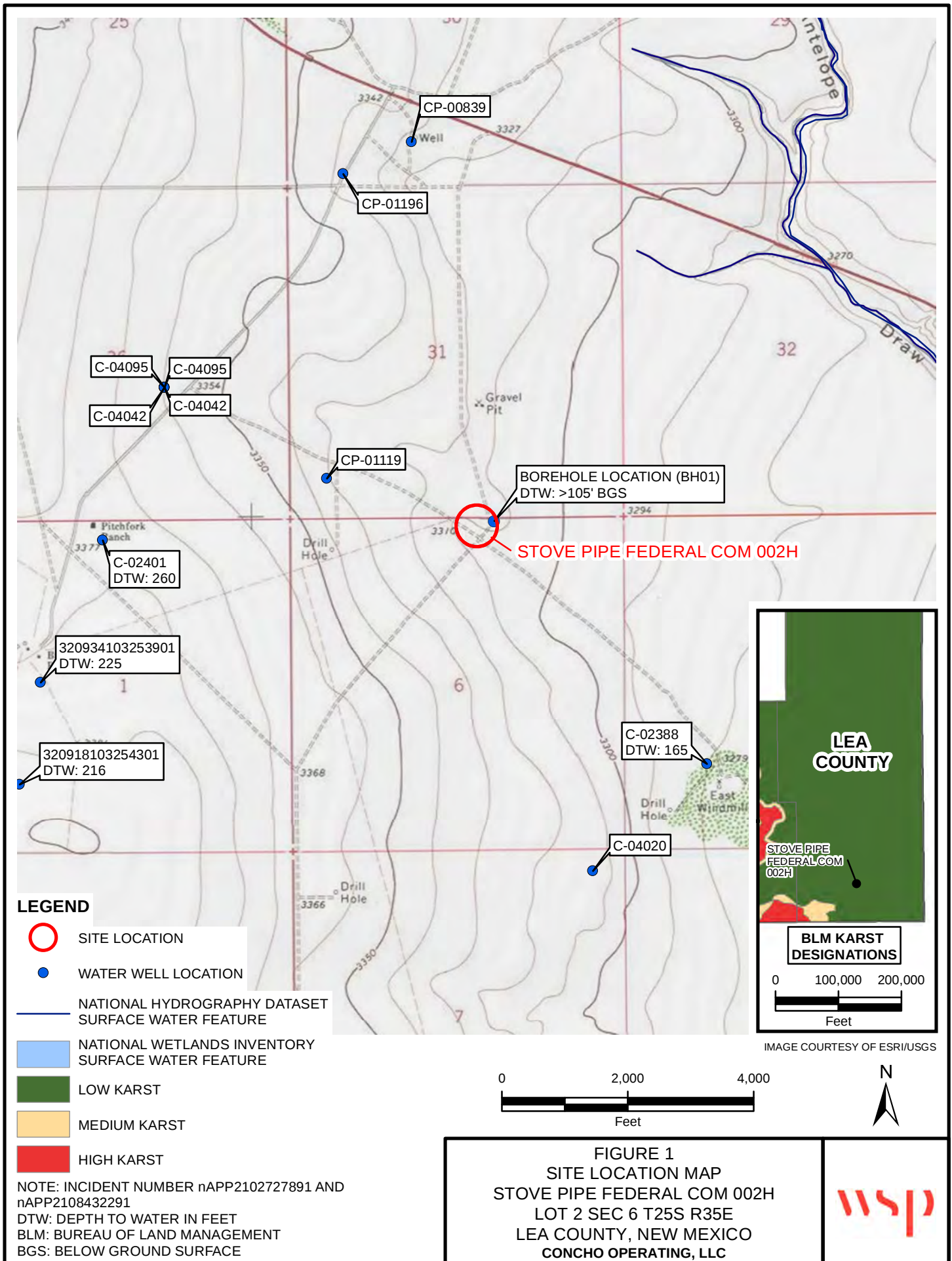
Figure 1 Site Location Map
Figure 2 Excavation Soil Sample Locations



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Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/Soil Sampling Log
Attachment 3 Photographic Log
Attachment 4 Laboratory Analytical Reports
Attachment 5 Final Form C-141

FIGURES



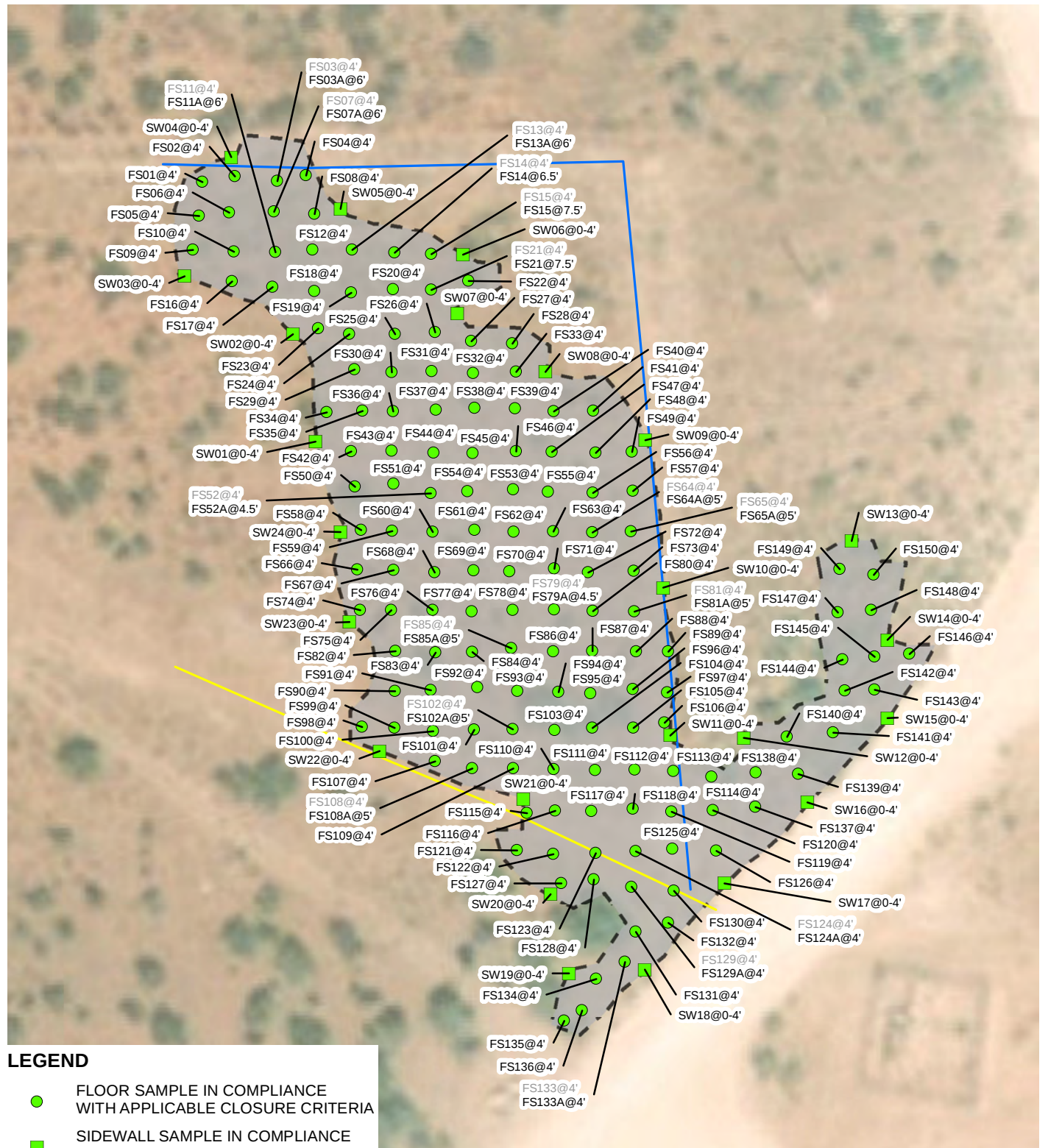


IMAGE COURTESY OF ESRI

LEGEND

- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

— GAS/PIPELINE

— WATER LINE

EXCAVATION EXTENT

NOTE: INCIDENT NUMBER
nAPP2102727891 AND nAPP2108432291
TEXT: INDICATES SOIL REPRESENTED BY
SAMPLE THAT WAS REMOVED
SAMPLE ID@DEPTH BELOW
GROUND SURFACE (FEET)

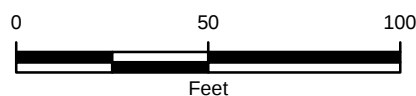


FIGURE 2
EXCAVATION CONFIRMATION SOIL SAMPLE LOCATIONS
STOVE PIPE FEDERAL COM 002H
LOT 2 SEC 6 T25S R35E
LEA COUNTY, NEW MEXICO
CONCHO OPERATING, LLC



TABLES

Table 1

Soil Analytical Results
Stove Pipe Federal Com 002H
Incident Numbers nAPP2102727891 and nAPP2108432291
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 Floor Samples										
FS01	2/4/2021	4	<0.00202	0.124	<50.0	<50.0	<50.0	<50.0	<50.0	127
FS02	2/4/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	3,930
FS03	2/4/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	13,000
FS03A	3/16/2021	6	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	2,140
FS04	2/4/2021	4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	165
FS05	2/4/2021	4	<0.00200	0.0488	<50.0	<50.0	<50.0	<50.0	<50.0	79.4
FS06	2/4/2021	4	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	7,000
FS07	2/4/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	617
FS07A	3/16/2021	6	<0.00198	0.0472	<49.9	<49.9	<49.9	<49.9	<49.9	3,420
FS08	2/4/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,790
FS09	2/4/2021	4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	7,690
FS10	2/4/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	9,840
FS11	2/4/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	18,200
FS11A	3/16/2021	6	<0.00202	0.00296	<49.9	<49.9	<49.9	<49.9	<49.9	2,460
FS12	2/4/2021	4	<0.0106	<0.0106	<50.0	<50.0	<50.0	<50.0	<50.0	11,700
FS13	2/4/2021	4	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	8,570
FS13A	3/16/2021	6	<0.00198	0.00498	<50.0	<50.0	<50.0	<50.0	<50.0	1,410
FS14	2/4/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	9,670
FS14A	3/16/2021	6.5	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	3,000
FS15	2/4/2021	4	<0.0102	<0.0102	<50.0	<50.0	<50.0	<50.0	<50.0	298

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS15A	3/16/2021	7.5	<0.0202	<0.0202	<50.1	<50.1	<50.1	<50.1	<50.1	1,020
FS16	2/4/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	13,400
FS17	2/4/2021	4	<0.00971	<0.00971	<50.0	<50.0	<50.0	<50.0	<50.0	12,000
FS18	2/4/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	12,000
FS19	2/8/2021	4	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	661
FS20	2/8/2021	4	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	1,090
FS21	2/8/2021	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	15,200
FS21A	3/16/2021	7.5	<0.00200	0.0177	<49.9	<49.9	<49.9	<49.9	<49.9	534
FS22	2/8/2021	4	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	3,080
FS23	2/8/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	882
FS24	2/8/2021	4	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	307
FS25	2/8/2021	4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	616
FS26	2/8/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	720
FS27	2/8/2021	4	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	639
FS28	2/8/2021	4	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	449
FS29	2/8/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	14.6
FS30	2/8/2021	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	1,220
FS31	2/8/2021	4	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	459
FS32	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	286
FS33	2/8/2021	4	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	1,110

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS34	2/8/2021	4	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	398
FS35	2/8/2021	4	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	264
FS36	2/4/2021	4	<0.00198	0.00526	<49.8	<49.8	<49.8	<49.8	<49.8	312
FS37	2/8/2021	4	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	1,100
FS38	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	7,570
FS39	2/8/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	12,500
FS40	2/8/2021	4	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	8,280
FS41	2/8/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	5,420
FS42	2/4/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	3,470
FS43	2/4/2021	4	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	5,250
FS44	2/4/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	5,250
FS45	2/8/2021	4	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	7,470
FS46	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	11,400
FS47	2/8/2021	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	14,900
FS48	2/8/2021	4	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	2,290
FS49	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	17,600
FS50	2/8/2021	4	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	5,030
FS51	2/4/2021	4	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	4,260
FS52	2/8/2021	4	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	62,600
FS52A	2/26/2021	4.5	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	4,840

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS53	2/8/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	675
FS54	2/8/2021	4	<0.0182	<0.0182	<50.1	<50.1	<50.1	<50.1	<50.1	10,100
FS55	2/8/2021	4	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	15,900
FS56	2/8/2021	4	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	3,650
FS57	2/8/2021	4	<0.0189	<0.0189	<49.9	<49.9	<49.9	<49.9	<49.9	18,800
FS58	2/8/2021	4	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	1,020
FS59	2/8/2021	4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	4,270
FS60	2/8/2021	4	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	6,010
FS61	2/8/2021	4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	406
FS62	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	12,600
FS63	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	11,500
FS64	2/8/2021	4	<0.0200	<0.0200	<50.1	<50.1	<50.1	<50.1	<50.1	21,400
FS64A	2/26/2021	5	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	5,450
FS65	2/8/2021	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	26,000
FS65A	2/26/2021	5	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	3,960
FS66	2/8/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	6,170
FS67	2/8/2021	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	10,700
FS68	2/4/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	9,260
FS69	2/8/2021	4	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	9,720
FS70	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	11,200

Table 1

Soil Analytical Results
Stove Pipe Federal Com 002H
Incident Numbers nAPP2102727891 and nAPP2108432291
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
FS71	2/8/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	16,600
FS72	2/8/2021	4	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	17,100
FS73	2/8/2021	4	<0.00201	<0.00201	63.6	<50.1	<50.1	<50.1	63.6	15,700
FS74	2/8/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	13,200
FS75	2/4/2021	4	<0.0100	<0.0100	<49.9	<49.9	<49.9	<49.9	<49.9	6,780
FS76	2/4/2021	4	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	3,270
FS77	2/4/2021	4	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	10,200
FS78	2/8/2021	4	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	15,300
FS79	2/8/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	25,900
FS79A	2/26/2021	4.5	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	1,300
FS80	2/8/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	15,300
FS81	2/8/2021	4	<0.00201	<0.00201	0.822	<0.501	<0.501	<0.501	0.822	21,400
FS81A	2/26/2021	4.5	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	3,660
FS82	2/8/2021	4	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	5,580
FS83	2/4/2021	4	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	4,770
FS84	2/8/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	6,060
FS85	2/8/2021	4	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	28,370
FS85A	2/26/2021	5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,710
FS86	2/8/2021	4	<0.0100	<0.0100	<50.2	<50.2	<50.2	<50.2	<50.2	18,200
FS87	2/8/2021	4	<0.0100	<0.0100	<50.0	<50.0	<50.0	<50.0	<50.0	11,900

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS88	2/8/2021	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	11,800
FS89	2/8/2021	4	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	6,660
FS90	2/8/2021	4	<0.0104	<0.0104	<50.1	<50.1	<50.1	<50.1	<50.1	8,600
FS91	2/8/2021	4	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	9,800
FS92	2/8/2021	4	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	15,400
FS93	2/8/2021	4	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	15,500
FS94	2/8/2021	4	<0.00971	<0.00971	<49.9	<49.9	<49.9	<49.9	<49.9	14,500
FS95	2/8/2021	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	11,400
FS96	2/8/2021	4	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	11,800
FS97	2/8/2021	4	<0.0182	<0.0182	<50.0	<50.0	<50.0	<50.0	<50.0	16,400
FS98	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	3,610
FS99	2/8/2021	4	<0.0104	<0.0104	<50.2	<50.2	<50.2	<50.2	<50.2	14,700
FS100	2/8/2021	4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	11,600
FS101	2/8/2021	4	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	19,800
FS102	2/8/2021	4	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	21,800
FS102A	2/16/2021	5	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	6,020
FS103	2/8/2021	4	<0.00202	<0.00202	108	<49.8	<49.8	<49.8	108	19,800
FS104	2/8/2021	4	<0.0102	<0.0102	211	<50.0	<50.0	<50.0	211	16,100
FS105	2/8/2021	4	<0.00200	0.00269	139	<50.1	<50.1	<50.1	139	17,400
FS106	2/8/2021	4	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	12,100

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS107	2/8/2021	4	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	9,790
FS108	2/8/2021	4	<0.0196	<0.0196	<50.2	<50.2	<50.2	<50.2	<50.2	27,400
FS108A	2/26/2021	5	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	4,620
FS109	2/8/2021	4	<0.0189	<0.0189	<50.0	<50.0	<50.0	<50.0	<50.0	17,300
FS110	2/8/2021	4	<0.0196	<0.0196	<49.8	<49.8	<49.8	<49.8	<49.8	6,130
FS111	2/8/2021	4	<0.0192	<0.0192	172	<50.1	<50.1	<50.1	172	11,700
FS112	2/8/2021	4	<0.0196	<0.0196	250	<49.9	<49.9	<49.9	250	5,720
FS113	2/8/2021	4	<0.0185	<0.0185	<50.0	<50.0	<50.0	<50.0	<50.0	4,820
FS114	2/8/2021	4	<0.0192	<0.0192	<50.1	<50.1	<50.1	<50.1	<50.1	484
FS115	2/8/2021	4	<0.0185	<0.0185	<50.0	<50.0	<50.0	<50.0	<50.0	8,160
FS116	2/8/2021	4	<0.00200	0.0483	425	<49.8	<49.8	<49.8	425	9,900
FS117	2/8/2021	4	<0.00202	<0.00202	617	82.5	<49.8	<49.8	700	14,600
FS118	2/8/2021	4	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	12,300
FS119	2/8/2021	4	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	4,910
FS120	2/8/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	3,740
FS121	2/9/2021	4	<0.0179	<0.0179	59.4	<50.0	<50.0	59.4	59.4	16,100
FS122	2/9/2021	4	<0.00201	<0.00201	106	<50.0	<50.0	106	106	19,300
FS123	2/9/2021	4	<0.0196	0.885	574	<49.9	71.3	574	645	19,800
FS124	2/9/2021	4	<0.0200	3.00	1,390	72.8	148	1,462	1,610	16,900
FS124A	3/2/2021	4	<0.00200	<0.00200	<49.9	221	<49.9	221	221	831

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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
FS125	2/9/2021	4	<0.0182	<0.0182	470	<50.0	64.0	470	534	16,400
FS126	2/9/2021	4	<0.0200	<0.0200	789	<50.0	89.9	789	879	16,500
FS127	2/9/2021	4	<0.0196	<0.0196	<49.9	<49.9	<49.9	<49.9	<49.9	966
FS128	2/9/2021	4	<0.0182	<0.0182	156	<49.8	<49.8	156	156	15,700
FS129	2/9/2021	4	<0.0192	1.95	2,400	51.3	283	2,451.3	2,730	15,000
FS129A	3/2/2021	4	<0.00202	<0.00202	<50.0	174	<50.0	174.0	174	5,010
FS130	2/9/2021	4	<0.0182	<0.0182	419	<50.0	68.7	419	488	18,500
FS131	2/9/2021	4	<0.0185	<0.0185	259	<50.0	<50.0	259	259	13,000
FS132	2/9/2021	4	<0.0182	<0.0182	490	<49.9	62.7	490	553	16,400
FS133	2/9/2021	4	<0.0189	0.592	1,540	<50.0	179	1,540	1,720	7,920
FS133A	3/2/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	5,690
FS134	2/9/2021	4	<0.0189	<0.0189	253	<50.0	<50.0	253	253	7,750
FS135	2/9/2021	4	<0.0196	<0.0196	<49.9	<49.9	<49.9	<49.9	<49.9	405
FS136	2/9/2021	4	<0.0172	<0.0172	<49.8	<49.8	<49.8	<49.8	<49.8	6,570
FS137	2/9/2021	4	<0.0196	<0.0196	<50.0	<50.0	<50.0	<50.0	<50.0	4,220
FS138	2/9/2021	4	<0.0189	<0.0189	<49.9	<49.9	<49.9	<49.9	<49.9	238
FS139	2/9/2021	4	<0.0127	<0.0127	<49.8	<49.8	<49.8	<49.8	<49.8	7,020
FS140	2/9/2021	4	<0.0172	<0.0172	87.2	<50.0	<50.0	87.2	87.2	5,690
FS141	2/9/2021	4	<0.0185	<0.0185	<50.0	<50.0	<50.0	<50.0	<50.0	10,400
FS142	2/9/2021	4	<0.0152	<0.0152	<50.0	<50.0	<50.0	<50.0	<50.0	7,430

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS143	2/9/2021	4	<0.0182	<0.0182	<49.9	146	<49.9	146	146	8,520
FS144	2/9/2021	4	<0.0196	<0.0196	<50.0	<50.0	<50.0	<50.0	<50.0	8,080
FS145	2/9/2021	4	<0.0179	<0.0179	<49.9	<49.9	<49.9	<49.9	<49.9	10,600
FS146	2/9/2021	4	<0.0169	<0.0169	<49.8	<49.8	<49.8	<49.8	<49.8	9,210
FS147	2/9/2021	4	<0.0164	<0.0164	<50.0	<50.0	<50.0	<50.0	<50.0	6,420
FS148	2/9/2021	4	<0.0169	<0.0169	<50.0	<50.0	<50.0	<50.0	<50.0	1,330
FS149	2/9/2021	4	<0.0200	<0.0200	<49.9	<49.9	<49.9	<49.9	<49.9	1,320
FS150	2/9/2021	4	<0.0179	<0.0179	<49.8	<49.8	<49.8	<49.8	<49.8	1,600
Excavation Sidewall Samples										
SW01	2/24/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	12.1*
SW02	2/24/2021	0-4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	10.3*
SW03	2/24/2021	0-4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	10.7*
SW04	2/24/2021	0-4	<0.00200	0.00275	<50.0	<50.0	<50.0	<50.0	<50.0	11.9*
SW05	2/24/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	8.88*
SW06	2/24/2021	0-4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	10.3*
SW07	2/25/2021	0-4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	19.2*
SW08	2/25/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	208*
SW09	2/26/2021	0-4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	178*
SW10	2/26/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	10.8*

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NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW11	2/4/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	418*
SW12	2/25/2021	0-4	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	15.3*
SW13	2/25/2021	0-4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	7.45*
SW14	2/25/2021	0-4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	11.3*
SW15	2/25/2021	0-4	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	17.1*
SW16	2/25/2021	0-4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	287*
SW17	2/25/2021	0-4	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	115*
SW18	2/25/2021	0-4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	160*
SW19	2/25/2021	0-4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	38.0*
SW20	2/25/2021	0-4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	9.81*
SW21	2/4/2021	0-4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	123*
SW22	2/25/2021	0-4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	16.8*
SW23	2/26/2021	0-4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	225*
SW24	2/26/2021	0-4	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	19.3*

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

BGS- below ground surface

Text

 impacted soil was removed

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

* - indicates sample was collected in area to be reclaimed after remediation is complete;

closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg

ATTACHMENT 1: REFERENCED WELL RECORD



New Mexico Office of the State Engineer

Water Right Summary


[get image list](#)

WR File Number: C 02388 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: DCL DECLARATION
Total Acres: 0 **Subfile:** - **Header:** -
Total Diversion: 3 **Cause/Case:** -
Owner: QUAIL RANCH LLC
Contact: DYLAN VAN BRUNT
Owner: GENERAL COUNSEL
Contact: CHRISTOPHER BOEHLER

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/		Acres	Diversion	Consumptive
			1	2		To				
635459	COWNF	2018-11-28	CHG	PRC	C 02388	T		0	0	
198233	DCL	1994-03-21	DCL	PRC	C 02388	T		0	3	

Current Points of Diversion

POD Number	Well Tag	Source	Q				(NAD83 UTM in meters)		Other Location Desc
			64	Q16	Q4	Sec Tw	X	Y	
C 02388			3	05	25S	35E	651467	3558832*	

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q	Q	256	64	Q16	Q4	Sec Tw	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
								0	3		STK		DCL	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	3		STK		GW

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/9/21 2:33 PM

WATER RIGHT
SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02388				3	05	25S 35E	651467	3558832* 

^x

Driller License:	Driller Company:	
Driller Name: W.E. BAIRD		
Drill Start Date:	Drill Finish Date: 12/31/1920	Plug Date:
Log File Date:	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield: 5 GPM
Casing Size: 6.00	Depth Well: 180 feet	Depth Water: 165 feet

^x

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/9/21 2:34 PM

POINT OF DIVERSION SUMMARY

ATTACHMENT 2: LITOLOGIC / SOIL SAMPLING LOG

TEST HOLES • WATER WELLS

LAMESA, TEXAS 79331

2001 South Hwy. 87

WELL LOG

From	To	FORMATION
0	1	Caliche
1	16	Top Soil
16	27	Caliche
27	51	Red Clay & Sand
51	65	Sand
65	105	Red Clay
		BH-1
		LOG - Stove pipe Federal
		Core 2H TB
		Plugged w/ Hole Plug
		32. 166401, -103.404545

Date 2-23-21 Driller

Loe Searles

GIBBS PRINTING CO - LAMESA, TX

ATTACHMENT 3: PHOTOGRAPHIC LOG

**PHOTOGRAPHIC LOG****Concho Operating****Stove Pipe Federal Com 002H
Lea County, New Mexico****Photo No.**

1

Date

February 4, 2021

View of northern section of
excavation.**Photo No.**

2

Date

February 4, 2021

View of northernmost section of the
excavation and the release point.

**PHOTOGRAPHIC LOG****Concho Operating****Stove Pipe Federal Com 002H
Lea County, New Mexico**

Photo No.	Date	
3	February 4, 2021	
View of the excavation extent facing south.		 A wide-angle photograph of a large, deep excavation site. The ground is covered in a layer of light-colored gravel or crushed rock, with visible tire tracks. In the background, there are several tall, thin structures, possibly drilling rigs or towers, and a yellow excavator is visible on the right side. The sky is blue with some light clouds.

Photo No.	Date	
4	February 4, 2021	
View of central section of the excavation extent facing north.		 A photograph showing a different section of the excavation site. The ground is dark brown and appears to be a mix of soil and gravel. A yellow excavator is visible in the middle ground, working on a raised area. In the background, there are some orange safety barriers and utility poles. The sky is clear and blue.

**PHOTOGRAPHIC LOG****Concho Operating****Stove Pipe Federal Com 002H
Lea County, New Mexico**

Photo No.	Date	
5	February 24, 2021	
View of trackhoe excavating sidewalls in northeast section of the excavation.		 A yellow trackhoe is shown working on a large, deep excavation site. The machine is positioned on a dirt path, and its arm is extended towards the left side of the frame. The ground is uneven and appears to be composed of loose soil or sand. In the background, there are some utility poles and a clear blue sky. A person is visible standing near the trackhoe, providing a sense of scale to the large excavation.

Photo No.	Date	
6	March 15, 2021	
View of release point and release extent in northern section of the excavation.		 A large, deep excavation site is shown, with a significant amount of earth removed. A large, dark, irregularly shaped hole is visible in the center of the excavation, likely representing the release point. The surrounding ground is uneven and appears to be composed of loose soil or sand. In the background, there are some utility poles and a clear blue sky. The overall scene suggests a major earthmoving or remediation project.

**PHOTOGRAPHIC LOG****Concho Operating****Stove Pipe Federal Com 002H
Lea County, New Mexico****Photo No.**

7

Date

March 15, 2021

View of release extent in northern
section of excavation, facing east.**Photo No.**

8

Date

March 15, 2021

View of release extent in northern
section of excavation, facing east.

**PHOTOGRAPHIC LOG****Concho Operating****Stove Pipe Federal Com 002H
Lea County, New Mexico****Photo No.**

9

Date

March 16, 2021

View of excavated area in northern
section of release extent, facing
west.**Photo No.**

10

Date

March 16, 2021

View of excavated area in northern
section of release extent, facing east.



PHOTOGRAPHIC LOG		
Concho Operating	Stove Pipe Federal Com 002H Lea County, New Mexico	

Photo No.	Date	
21	March 8, 2021	
View of completed backfill in pasture.		 Jal, New Mexico, United States Unnamed Road, Jal, NM 88252, USA Lat N 32° 10' 0.3072" Long W -103° 24' 21.3336" 08/04/21 08:17 AM

Photo No.	Date	
22	March 8, 2021	
View of completed backfill in pasture.		 Jal, New Mexico, United States Unnamed Road, Jal, NM 88252, USA Lat N 32° 9' 58.9824" Long W -103° 24' 20.3004" 08/04/21 08:17 AM

ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-160-1
Client Project/Site: Stovepipe Release
Revision: 2

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

Attn: Kalei Jennings

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

Authorized for release by:
4/12/2021 4:48:57 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-160-1

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Xenco, Carlsbad

Case Narrative

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Job ID: 890-160-1

Laboratory: Eurofins Xenco, Carlsbad**Narrative****Job Narrative
890-160-1**REVISION

The report being provided is a revision of the original report sent on 2/19/2021. The report (revision 2) is being revised due to Check dilution on sample 067 for chloride.

Report revision history

The report being provided is a revision of the original report sent on 2/19/2021. The report (revision 2) is being revised due to Check dilution on sample 067 for chloride.

Revision 1 - 2/23/2021 - Reason - Client requesting re run data for Chlorides sample 039,046,063,083,084 to be imported on revised report.

Receipt

The samples were received on 2/8/2021 4:18 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 2.8°C

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 890-198 and analytical batch 890-189 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: FS118 (890-160-100). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: FS24 (890-160-6), FS25 (890-160-7), FS26 (890-160-8), FS27 (890-160-9), FS28 (890-160-10), FS29 (890-160-11), FS30 (890-160-12), FS31 (890-160-13), FS32 (890-160-14) and FS33 (890-160-15). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS19

Lab Sample ID: 890-160-1

Date Collected: 02/08/21 09:05

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/08/21 23:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 23:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 23:05	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 23:05	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 23:05	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 16:22	02/08/21 23:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 16:22	02/08/21 23:05	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/08/21 16:22	02/08/21 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 17:58	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 17:58	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 17:58	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135	02/10/21 11:22	02/11/21 17:58	1
o-Terphenyl	107		70 - 135	02/10/21 11:22	02/11/21 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	661		9.88		mg/Kg			02/09/21 11:08	1

Client Sample ID: FS20

Lab Sample ID: 890-160-2

Date Collected: 02/08/21 09:07

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/08/21 23:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 23:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 23:28	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 23:28	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 23:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 16:22	02/08/21 23:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 16:22	02/08/21 23:28	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 16:22	02/08/21 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 20:59	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 20:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS20

Lab Sample ID: 890-160-2

Date Collected: 02/08/21 09:07

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 20:59	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 11:22	02/11/21 20:59	1
o-Terphenyl	100		70 - 135				02/10/21 11:22	02/11/21 20:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		9.98		mg/Kg			02/09/21 11:14	1

Client Sample ID: FS21

Lab Sample ID: 890-160-3

Date Collected: 02/08/21 09:09

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 16:22	02/09/21 00:13	1
4-Bromofluorobenzene (Surr)	111		70 - 130				02/08/21 16:22	02/09/21 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:19	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:19	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:19	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 11:22	02/11/21 21:19	1
o-Terphenyl	104		70 - 135				02/10/21 11:22	02/11/21 21:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15200		199		mg/Kg			02/09/21 11:31	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS22

Lab Sample ID: 890-160-4

Date Collected: 02/08/21 09:10

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/16/21 16:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/16/21 16:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/16/21 16:59	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/16/21 16:59	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/16/21 16:59	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 16:22	02/16/21 16:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/16/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 16:22	02/16/21 16:59	1
4-Bromofluorobenzene (Surr)	96		70 - 130	02/08/21 16:22	02/16/21 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 21:39	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 21:39	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 21:39	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135	02/10/21 11:22	02/11/21 21:39	1
o-Terphenyl	103		70 - 135	02/10/21 11:22	02/11/21 21:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		99.2		mg/Kg			02/09/21 11:37	10

Client Sample ID: FS23

Lab Sample ID: 890-160-5

Date Collected: 02/08/21 09:12

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 00:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 00:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 00:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 00:58	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 00:58	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 16:22	02/09/21 00:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 16:22	02/09/21 00:58	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 16:22	02/09/21 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:59	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS23

Lab Sample ID: 890-160-5

Date Collected: 02/08/21 09:12

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:59	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/11/21 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 11:22	02/11/21 21:59	1
o-Terphenyl	95		70 - 135				02/10/21 11:22	02/11/21 21:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	882		10.1		mg/Kg			02/09/21 11:42	1

Client Sample ID: FS24

Lab Sample ID: 890-160-6

Date Collected: 02/08/21 09:15

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 01:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/08/21 16:22	02/09/21 01:20	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 16:22	02/09/21 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 22:19	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 22:19	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 22:19	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/11/21 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 135				02/10/21 11:22	02/11/21 22:19	1
o-Terphenyl	151	S1+	70 - 135				02/10/21 11:22	02/11/21 22:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		10.0		mg/Kg			02/09/21 11:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS25

Lab Sample ID: 890-160-7

Date Collected: 02/08/21 09:17

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 01:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 16:22	02/09/21 01:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 16:22	02/09/21 01:43	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 16:22	02/09/21 01:43	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 16:22	02/09/21 01:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 16:22	02/09/21 01:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 16:22	02/09/21 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	02/08/21 16:22	02/09/21 01:43	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/08/21 16:22	02/09/21 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 22:39	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 22:39	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 22:39	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 135	02/10/21 11:22	02/11/21 22:39	1
o-Terphenyl	140	S1+	70 - 135	02/10/21 11:22	02/11/21 22:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	616		9.94		mg/Kg			02/09/21 11:54	1

Client Sample ID: FS26

Lab Sample ID: 890-160-8

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 02:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 02:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 02:05	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 02:05	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 02:05	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 16:22	02/09/21 02:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 16:22	02/09/21 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 16:22	02/09/21 02:05	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 16:22	02/09/21 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 22:59	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 22:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS26

Lab Sample ID: 890-160-8

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 22:59	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/11/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 135				02/10/21 11:22	02/11/21 22:59	1
o-Terphenyl	147	S1+	70 - 135				02/10/21 11:22	02/11/21 22:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	720	F1	10.1		mg/Kg			02/09/21 11:59	1

Client Sample ID: FS27

Lab Sample ID: 890-160-9

Date Collected: 02/08/21 09:22

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 02:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130				02/08/21 16:22	02/09/21 02:28	1
4-Bromofluorobenzene (Surr)	108		70 - 130				02/08/21 16:22	02/09/21 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/11/21 23:19	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/11/21 23:19	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/11/21 23:19	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/11/21 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 135				02/10/21 11:22	02/11/21 23:19	1
o-Terphenyl	146	S1+	70 - 135				02/10/21 11:22	02/11/21 23:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	639		9.98		mg/Kg			02/09/21 12:23	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS28

Lab Sample ID: 890-160-10

Date Collected: 02/08/21 09:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 02:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 02:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 02:50	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 02:50	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 02:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 16:22	02/09/21 02:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	02/08/21 16:22	02/09/21 02:50	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/08/21 16:22	02/09/21 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 23:39	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 23:39	1
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 23:39	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 11:22	02/11/21 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 135	02/10/21 11:22	02/11/21 23:39	1
o-Terphenyl	157	S1+	70 - 135	02/10/21 11:22	02/11/21 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	449		9.96		mg/Kg			02/09/21 12:29	1

Client Sample ID: FS29

Lab Sample ID: 890-160-11

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 03:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 03:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 03:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 03:12	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 03:12	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 16:22	02/09/21 03:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/09/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 16:22	02/09/21 03:12	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 16:22	02/09/21 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:19	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:19	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS29

Lab Sample ID: 890-160-11

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:19	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 135				02/10/21 11:22	02/12/21 00:19	1
o-Terphenyl	151	S1+	70 - 135				02/10/21 11:22	02/12/21 00:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		9.94		mg/Kg			02/09/21 12:46	1

Client Sample ID: FS30

Lab Sample ID: 890-160-12

Date Collected: 02/08/21 09:21

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/09/21 03:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 16:22	02/09/21 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/08/21 16:22	02/09/21 03:35	1
4-Bromofluorobenzene (Surr)	110		70 - 130				02/08/21 16:22	02/09/21 03:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/12/21 00:39	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/12/21 00:39	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/12/21 00:39	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 11:22	02/12/21 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 135				02/10/21 11:22	02/12/21 00:39	1
o-Terphenyl	154	S1+	70 - 135				02/10/21 11:22	02/12/21 00:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		9.98		mg/Kg			02/09/21 12:51	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS31

Lab Sample ID: 890-160-13

Date Collected: 02/08/21 09:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/12/21 07:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 07:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 07:37	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 07:37	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 07:37	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 16:22	02/12/21 07:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 07:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 16:22	02/12/21 07:37	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 16:22	02/12/21 07:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:59	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:59	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:59	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 11:22	02/12/21 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 135	02/10/21 11:22	02/12/21 00:59	1
o-Terphenyl	140	S1+	70 - 135	02/10/21 11:22	02/12/21 00:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	459		10.1		mg/Kg			02/09/21 12:57	1

Client Sample ID: FS32

Lab Sample ID: 890-160-14

Date Collected: 02/08/21 09:27

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/12/21 08:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/12/21 08:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/12/21 08:00	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/12/21 08:00	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/12/21 08:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 16:22	02/12/21 08:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/12/21 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 16:22	02/12/21 08:00	1
4-Bromofluorobenzene (Surr)	89		70 - 130	02/08/21 16:22	02/12/21 08:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/12/21 01:19	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/12/21 01:19	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS32

Lab Sample ID: 890-160-14

Date Collected: 02/08/21 09:27

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/12/21 01:19	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 11:22	02/12/21 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 135				02/10/21 11:22	02/12/21 01:19	1
o-Terphenyl	158	S1+	70 - 135				02/10/21 11:22	02/12/21 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		10.1		mg/Kg			02/09/21 13:03	1

Client Sample ID: FS33

Lab Sample ID: 890-160-15

Date Collected: 02/08/21 09:30

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/12/21 08:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130				02/08/21 16:22	02/12/21 08:22	1
4-Bromofluorobenzene (Surr)	96		70 - 130				02/08/21 16:22	02/12/21 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/12/21 01:39	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/12/21 01:39	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/12/21 01:39	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 11:22	02/12/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 135				02/10/21 11:22	02/12/21 01:39	1
o-Terphenyl	178	S1+	70 - 135				02/10/21 11:22	02/12/21 01:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		9.92		mg/Kg			02/09/21 13:08	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS34

Lab Sample ID: 890-160-16

Date Collected: 02/08/21 09:27

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/12/21 08:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:45	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:45	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:45	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 16:22	02/12/21 08:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/12/21 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 16:22	02/12/21 08:45	1
4-Bromofluorobenzene (Surr)	86		70 - 130	02/08/21 16:22	02/12/21 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 21:25	1
Total TPH	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 21:25	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 21:25	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135	02/12/21 09:30	02/12/21 21:25	1
o-Terphenyl	94		70 - 135	02/12/21 09:30	02/12/21 21:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	398		9.98		mg/Kg			02/09/21 13:14	1

Client Sample ID: FS35

Lab Sample ID: 890-160-17

Date Collected: 02/08/21 09:30

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 16:22	02/16/21 21:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/16/21 21:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/16/21 21:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/16/21 21:26	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/16/21 21:26	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 16:22	02/16/21 21:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/16/21 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/08/21 16:22	02/16/21 21:26	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/08/21 16:22	02/16/21 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/12/21 09:30	02/12/21 21:44	1
Total TPH	<50.3	U	50.3		mg/Kg		02/12/21 09:30	02/12/21 21:44	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS35

Lab Sample ID: 890-160-17

Date Collected: 02/08/21 09:30

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.3	U	50.3		mg/Kg		02/12/21 09:30	02/12/21 21:44	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/12/21 09:30	02/12/21 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 135				02/12/21 09:30	02/12/21 21:44	1
o-Terphenyl	92		70 - 135				02/12/21 09:30	02/12/21 21:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		9.92		mg/Kg			02/09/21 13:20	1

Client Sample ID: FS36

Lab Sample ID: 890-160-18

Date Collected: 02/04/21 13:36

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
Total BTEX	0.00526		0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
Xylenes, Total	0.00526		0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
m,p-Xylenes	0.00526 F1		0.00396		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		02/08/21 17:25	02/08/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:25	02/08/21 23:50	1
4-Bromofluorobenzene (Surr)	90		70 - 130				02/08/21 17:25	02/08/21 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/12/21 09:30	02/12/21 22:04	1
Total TPH	<49.8	U	49.8		mg/Kg		02/12/21 09:30	02/12/21 22:04	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/12/21 09:30	02/12/21 22:04	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/12/21 09:30	02/12/21 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/12/21 09:30	02/12/21 22:04	1
o-Terphenyl	97		70 - 135				02/12/21 09:30	02/12/21 22:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		9.90		mg/Kg			02/09/21 13:54	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS37

Lab Sample ID: 890-160-19

Date Collected: 02/08/21 09:33

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 00:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 00:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 00:58	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 00:58	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 00:58	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 17:25	02/09/21 00:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 17:25	02/09/21 00:58	1
4-Bromofluorobenzene (Surr)	87		70 - 130	02/08/21 17:25	02/09/21 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:23	1
Total TPH	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:23	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:23	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 135	02/12/21 09:30	02/12/21 22:23	1
o-Terphenyl	109		70 - 135	02/12/21 09:30	02/12/21 22:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		20.2		mg/Kg			02/09/21 14:11	2

Client Sample ID: FS38

Lab Sample ID: 890-160-20

Date Collected: 02/08/21 09:35

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 01:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 01:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 01:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 01:20	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 01:20	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 17:25	02/09/21 01:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 17:25	02/09/21 01:20	1
4-Bromofluorobenzene (Surr)	93		70 - 130	02/08/21 17:25	02/09/21 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:42	1
Total TPH	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:42	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS38

Lab Sample ID: 890-160-20

Date Collected: 02/08/21 09:35

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:42	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/12/21 09:30	02/12/21 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/12/21 09:30	02/12/21 22:42	1
o-Terphenyl	108		70 - 135				02/12/21 09:30	02/12/21 22:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7570		199		mg/Kg			02/09/21 14:17	20

Client Sample ID: FS39

Lab Sample ID: 890-160-21

Date Collected: 02/08/21 09:37

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 01:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 17:25	02/09/21 01:43	1
4-Bromofluorobenzene (Surr)	90		70 - 130				02/08/21 17:25	02/09/21 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 17:58	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 17:58	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 17:58	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 135				02/10/21 18:00	02/11/21 17:58	1
o-Terphenyl	95		70 - 135				02/10/21 18:00	02/11/21 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12500		199		mg/Kg			02/09/21 14:22	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS40

Lab Sample ID: 890-160-22

Date Collected: 02/08/21 09:39

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 02:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 02:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 02:27	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 02:27	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 02:27	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:25	02/09/21 02:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 17:25	02/09/21 02:27	1
4-Bromofluorobenzene (Surr)	92		70 - 130	02/08/21 17:25	02/09/21 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 18:59	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 18:59	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 18:59	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 135	02/10/21 18:00	02/11/21 18:59	1
o-Terphenyl	109		70 - 135	02/10/21 18:00	02/11/21 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8280		201		mg/Kg			02/09/21 14:40	20

Client Sample ID: FS41

Lab Sample ID: 890-160-23

Date Collected: 02/08/21 09:41

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 02:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 02:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 02:50	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 02:50	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 02:50	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 17:25	02/09/21 02:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/08/21 17:25	02/09/21 02:50	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/08/21 17:25	02/09/21 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 19:19	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 19:19	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS41

Lab Sample ID: 890-160-23

Date Collected: 02/08/21 09:41

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 19:19	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/11/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 18:00	02/11/21 19:19	1
o-Terphenyl	103		70 - 135				02/10/21 18:00	02/11/21 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		99.2		mg/Kg			02/09/21 14:45	10

Client Sample ID: FS42

Lab Sample ID: 890-160-24

Date Collected: 02/04/21 13:47

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 03:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/08/21 17:25	02/09/21 03:12	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/08/21 17:25	02/09/21 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 19:39	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 19:39	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 19:39	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 18:00	02/11/21 19:39	1
o-Terphenyl	101		70 - 135				02/10/21 18:00	02/11/21 19:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3470		100		mg/Kg			02/09/21 14:51	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS43

Lab Sample ID: 890-160-25

Date Collected: 02/04/21 13:34

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 03:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:25	02/09/21 03:35	1
4-Bromofluorobenzene (Surr)	89		70 - 130				02/08/21 17:25	02/09/21 03:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 18:00	02/11/21 19:59	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 18:00	02/11/21 19:59	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 18:00	02/11/21 19:59	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 18:00	02/11/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 135				02/10/21 18:00	02/11/21 19:59	1
o-Terphenyl	108		70 - 135				02/10/21 18:00	02/11/21 19:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5250		101		mg/Kg			02/09/21 14:57	10

Client Sample ID: FS44

Lab Sample ID: 890-160-26

Date Collected: 02/04/21 13:38

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 17:25	02/09/21 03:57	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/08/21 17:25	02/09/21 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 20:39	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 20:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS44

Lab Sample ID: 890-160-26

Date Collected: 02/04/21 13:38

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 20:39	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 18:00	02/11/21 20:39	1
o-Terphenyl	101		70 - 135				02/10/21 18:00	02/11/21 20:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5250		99.0		mg/Kg			02/09/21 15:02	10

Client Sample ID: FS45

Lab Sample ID: 890-160-27

Date Collected: 02/08/21 09:43

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 04:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 04:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130				02/08/21 17:25	02/09/21 04:20	1
4-Bromofluorobenzene (Surr)	95		70 - 130				02/08/21 17:25	02/09/21 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 20:59	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 20:59	1
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 20:59	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 18:00	02/11/21 20:59	1
o-Terphenyl	97		70 - 135				02/10/21 18:00	02/11/21 20:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7470		99.8		mg/Kg			02/09/21 15:08	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS46

Lab Sample ID: 890-160-28

Date Collected: 02/08/21 09:45

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 04:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 04:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 04:42	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 04:42	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 04:42	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:25	02/09/21 04:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 17:25	02/09/21 04:42	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 17:25	02/09/21 04:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 21:19	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 21:19	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 21:19	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135	02/10/21 18:00	02/11/21 21:19	1
o-Terphenyl	104		70 - 135	02/10/21 18:00	02/11/21 21:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		200		mg/Kg			02/09/21 15:14	20

Client Sample ID: FS47

Lab Sample ID: 890-160-29

Date Collected: 02/08/21 09:46

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 05:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 05:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 05:05	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 05:05	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 05:05	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 17:25	02/09/21 05:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:25	02/09/21 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 17:25	02/09/21 05:05	1
4-Bromofluorobenzene (Surr)	89		70 - 130	02/08/21 17:25	02/09/21 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:39	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS47

Lab Sample ID: 890-160-29

Date Collected: 02/08/21 09:46

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:39	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 135				02/10/21 18:00	02/11/21 21:39	1
o-Terphenyl	108		70 - 135				02/10/21 18:00	02/11/21 21:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14900		202		mg/Kg			02/09/21 15:31	20

Client Sample ID: FS48

Lab Sample ID: 890-160-30

Date Collected: 02/08/21 09:48

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 05:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:25	02/09/21 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 17:25	02/09/21 05:27	1
4-Bromofluorobenzene (Surr)	92		70 - 130				02/08/21 17:25	02/09/21 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:59	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:59	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:59	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/10/21 18:00	02/11/21 21:59	1
o-Terphenyl	101		70 - 135				02/10/21 18:00	02/11/21 21:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290		101		mg/Kg			02/09/21 15:48	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS49

Lab Sample ID: 890-160-31

Date Collected: 02/08/21 10:17

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 05:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 05:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 05:49	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 05:49	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 05:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:25	02/09/21 05:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 17:25	02/09/21 05:49	1
4-Bromofluorobenzene (Surr)	92		70 - 130	02/08/21 17:25	02/09/21 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 22:19	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 22:19	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 22:19	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 18:00	02/11/21 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135	02/10/21 18:00	02/11/21 22:19	1
o-Terphenyl	97		70 - 135	02/10/21 18:00	02/11/21 22:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17600		202		mg/Kg			02/09/21 15:54	20

Client Sample ID: FS50

Lab Sample ID: 890-160-32

Date Collected: 02/08/21 10:19

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 06:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 06:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 06:34	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 06:34	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 06:34	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:25	02/09/21 06:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 17:25	02/09/21 06:34	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/08/21 17:25	02/09/21 06:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 22:39	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 22:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS50

Lab Sample ID: 890-160-32

Date Collected: 02/08/21 10:19

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 22:39	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 135				02/10/21 18:00	02/11/21 22:39	1
o-Terphenyl	107		70 - 135				02/10/21 18:00	02/11/21 22:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5030		101		mg/Kg			02/09/21 16:00	10

Client Sample ID: FS51

Lab Sample ID: 890-160-33

Date Collected: 02/04/21 13:40

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 06:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:25	02/09/21 06:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130				02/08/21 17:25	02/09/21 06:57	1
4-Bromofluorobenzene (Surr)	95		70 - 130				02/08/21 17:25	02/09/21 06:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 22:59	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 22:59	1
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 22:59	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/11/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135				02/10/21 18:00	02/11/21 22:59	1
o-Terphenyl	105		70 - 135				02/10/21 18:00	02/11/21 22:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4260		99.2		mg/Kg			02/09/21 16:05	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS52

Lab Sample ID: 890-160-34

Date Collected: 02/08/21 10:21

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:19	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:19	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:19	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:25	02/09/21 07:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 17:25	02/09/21 07:19	1
4-Bromofluorobenzene (Surr)	94		70 - 130	02/08/21 17:25	02/09/21 07:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 23:19	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 23:19	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 23:19	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/11/21 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 135	02/10/21 18:00	02/11/21 23:19	1
o-Terphenyl	109		70 - 135	02/10/21 18:00	02/11/21 23:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62600		1200		mg/Kg			02/09/21 16:11	120

Client Sample ID: FS53

Lab Sample ID: 890-160-35

Date Collected: 02/08/21 10:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 07:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:42	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:42	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:25	02/09/21 07:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 07:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130	02/08/21 17:25	02/09/21 07:42	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/08/21 17:25	02/09/21 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 23:39	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 23:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS53

Lab Sample ID: 890-160-35

Date Collected: 02/08/21 10:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 23:39	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135				02/10/21 18:00	02/11/21 23:39	1
o-Terphenyl	104		70 - 135				02/10/21 18:00	02/11/21 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	675		18.5		mg/Kg			02/09/21 16:17	20

Client Sample ID: FS54

Lab Sample ID: 890-160-36

Date Collected: 02/08/21 10:25

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 08:04	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:25	02/09/21 08:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/08/21 17:25	02/09/21 08:04	1
4-Bromofluorobenzene (Surr)	89		70 - 130				02/08/21 17:25	02/09/21 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:19	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:19	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:19	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 18:00	02/12/21 00:19	1
o-Terphenyl	100		70 - 135				02/10/21 18:00	02/12/21 00:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100		200		mg/Kg			02/09/21 16:22	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS55

Lab Sample ID: 890-160-37

Date Collected: 02/08/21 10:26

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:25	02/09/21 08:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 08:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 08:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 08:26	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 08:26	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 17:25	02/09/21 08:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/09/21 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 17:25	02/09/21 08:26	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 17:25	02/09/21 08:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 00:39	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 00:39	1
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 00:39	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135	02/10/21 18:00	02/12/21 00:39	1
o-Terphenyl	101		70 - 135	02/10/21 18:00	02/12/21 00:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15900		202		mg/Kg			02/09/21 16:28	20

Client Sample ID: FS56

Lab Sample ID: 890-160-38

Date Collected: 02/08/21 10:28

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 10:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 10:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 10:58	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 10:58	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 10:58	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 17:32	02/10/21 10:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/08/21 17:32	02/10/21 10:58	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/08/21 17:32	02/10/21 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:59	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS56

Lab Sample ID: 890-160-38

Date Collected: 02/08/21 10:28

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:59	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 18:00	02/12/21 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135				02/10/21 18:00	02/12/21 00:59	1
o-Terphenyl	103		70 - 135				02/10/21 18:00	02/12/21 00:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3650		100		mg/Kg			02/09/21 17:02	10

Client Sample ID: FS57

Lab Sample ID: 890-160-39

Date Collected: 02/08/21 10:29

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
Ethylbenzene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
Toluene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
Total BTEX	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
Xylenes, Total	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
m,p-Xylenes	<0.0377	U	0.0377		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
o-Xylene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:32	02/10/21 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/08/21 17:32	02/10/21 12:06	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 17:32	02/10/21 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/12/21 01:19	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/12/21 01:19	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/12/21 01:19	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 18:00	02/12/21 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135				02/10/21 18:00	02/12/21 01:19	1
o-Terphenyl	104		70 - 135				02/10/21 18:00	02/12/21 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18800		496		mg/Kg			02/18/21 15:39	50

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS58

Lab Sample ID: 890-160-40

Date Collected: 02/08/21 10:31

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 13:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/08/21 17:32	02/10/21 13:03	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 17:32	02/10/21 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 01:39	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 01:39	1
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 01:39	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 18:00	02/12/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 18:00	02/12/21 01:39	1
o-Terphenyl	95		70 - 135				02/10/21 18:00	02/12/21 01:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		10.1		mg/Kg			02/09/21 17:25	1

Client Sample ID: FS59

Lab Sample ID: 890-160-41

Date Collected: 02/08/21 10:34

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 13:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:32	02/10/21 13:26	1
4-Bromofluorobenzene (Surr)	107		70 - 130				02/08/21 17:32	02/10/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 03:18	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 03:18	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS59

Lab Sample ID: 890-160-41

Date Collected: 02/08/21 10:34

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 03:18	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135				02/10/21 20:42	02/12/21 03:18	1
o-Terphenyl	102		70 - 135				02/10/21 20:42	02/12/21 03:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4270		99.4		mg/Kg			02/09/21 17:31	10

Client Sample ID: FS60

Lab Sample ID: 890-160-42

Date Collected: 02/08/21 10:36

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 14:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130				02/08/21 17:32	02/10/21 14:11	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/08/21 17:32	02/10/21 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 20:42	02/12/21 04:17	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 20:42	02/12/21 04:17	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 20:42	02/12/21 04:17	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 20:42	02/12/21 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 135				02/10/21 20:42	02/12/21 04:17	1
o-Terphenyl	110		70 - 135				02/10/21 20:42	02/12/21 04:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6010		99.8		mg/Kg			02/09/21 17:48	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS61

Lab Sample ID: 890-160-43

Date Collected: 02/08/21 10:38

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 14:33	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 14:33	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 14:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 17:32	02/10/21 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/08/21 17:32	02/10/21 14:33	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 17:32	02/10/21 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 04:37	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 04:37	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 04:37	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135	02/10/21 20:42	02/12/21 04:37	1
o-Terphenyl	105		70 - 135	02/10/21 20:42	02/12/21 04:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406		10.0		mg/Kg			02/09/21 17:53	1

Client Sample ID: FS62

Lab Sample ID: 890-160-44

Date Collected: 02/08/21 10:39

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 14:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 14:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 14:55	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 14:55	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 14:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:32	02/10/21 14:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 17:32	02/10/21 14:55	1
4-Bromofluorobenzene (Surr)	107		70 - 130	02/08/21 17:32	02/10/21 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 04:57	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 04:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS62

Lab Sample ID: 890-160-44

Date Collected: 02/08/21 10:39

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 04:57	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 20:42	02/12/21 04:57	1
o-Terphenyl	104		70 - 135				02/10/21 20:42	02/12/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12600		200		mg/Kg			02/09/21 17:59	20

Client Sample ID: FS63

Lab Sample ID: 890-160-45

Date Collected: 02/08/21 10:41

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:32	02/10/21 15:18	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/08/21 17:32	02/10/21 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 05:17	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 05:17	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 05:17	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 135				02/10/21 20:42	02/12/21 05:17	1
o-Terphenyl	110		70 - 135				02/10/21 20:42	02/12/21 05:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11500		200		mg/Kg			02/09/21 18:05	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS64

Lab Sample ID: 890-160-46

Date Collected: 02/08/21 10:42

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
Ethylbenzene	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
Toluene	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
Total BTEX	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
Xylenes, Total	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
m,p-Xylenes	<0.0400	U	0.0400		mg/Kg		02/08/21 17:32	02/10/21 15:40	1
o-Xylene	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130	02/08/21 17:32	02/10/21 15:40	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/08/21 17:32	02/10/21 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 05:56	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 05:56	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 05:56	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135	02/10/21 20:42	02/12/21 05:56	1
o-Terphenyl	109		70 - 135	02/10/21 20:42	02/12/21 05:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21400		505		mg/Kg			02/18/21 15:56	50

Client Sample ID: FS65

Lab Sample ID: 890-160-47

Date Collected: 02/08/21 10:44

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 16:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 16:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 16:25	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 16:25	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 16:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 17:32	02/10/21 16:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 17:32	02/10/21 16:25	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/08/21 17:32	02/10/21 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 06:16	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 06:16	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS65

Lab Sample ID: 890-160-47

Date Collected: 02/08/21 10:44

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 06:16	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 20:42	02/12/21 06:16	1
o-Terphenyl	99		70 - 135				02/10/21 20:42	02/12/21 06:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26000		200		mg/Kg			02/09/21 18:16	20

Client Sample ID: FS66

Lab Sample ID: 890-160-48

Date Collected: 02/08/21 10:46

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 16:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:32	02/10/21 16:48	1
4-Bromofluorobenzene (Surr)	107		70 - 130				02/08/21 17:32	02/10/21 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 06:36	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 06:36	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 06:36	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				02/10/21 20:42	02/12/21 06:36	1
o-Terphenyl	105		70 - 135				02/10/21 20:42	02/12/21 06:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		99.4		mg/Kg			02/09/21 18:22	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS67

Lab Sample ID: 890-160-49

Date Collected: 02/08/21 10:47

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 17:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 17:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 17:10	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 17:10	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 17:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 17:32	02/10/21 17:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 17:32	02/10/21 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 17:32	02/10/21 17:10	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/08/21 17:32	02/10/21 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 06:55	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 06:55	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 06:55	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135	02/10/21 20:42	02/12/21 06:55	1
o-Terphenyl	105		70 - 135	02/10/21 20:42	02/12/21 06:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700		202		mg/Kg			02/09/21 18:39	20

Client Sample ID: FS68

Lab Sample ID: 890-160-50

Date Collected: 02/04/21 13:55

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 17:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 17:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 17:33	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 17:33	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 17:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:32	02/10/21 17:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:32	02/10/21 17:33	1
4-Bromofluorobenzene (Surr)	102		70 - 130	02/08/21 17:32	02/10/21 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 07:15	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 07:15	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS68

Lab Sample ID: 890-160-50

Date Collected: 02/04/21 13:55

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 07:15	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 07:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				02/10/21 20:42	02/12/21 07:15	1
o-Terphenyl	106		70 - 135				02/10/21 20:42	02/12/21 07:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9260		200		mg/Kg			02/09/21 18:56	20

Client Sample ID: FS69

Lab Sample ID: 890-160-51

Date Collected: 02/08/21 10:49

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 18:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/08/21 17:32	02/10/21 18:18	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 17:32	02/10/21 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 07:35	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 07:35	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 07:35	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 07:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 20:42	02/12/21 07:35	1
o-Terphenyl	100		70 - 135				02/10/21 20:42	02/12/21 07:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9720		202		mg/Kg			02/09/21 19:01	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS70

Lab Sample ID: 890-160-52

Date Collected: 02/08/21 10:50

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 18:40	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 18:40	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 18:40	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:32	02/10/21 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:32	02/10/21 18:40	1
4-Bromofluorobenzene (Surr)	99		70 - 130	02/08/21 17:32	02/10/21 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 07:54	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 07:54	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 07:54	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135	02/10/21 20:42	02/12/21 07:54	1
o-Terphenyl	106		70 - 135	02/10/21 20:42	02/12/21 07:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		199		mg/Kg			02/09/21 19:07	20

Client Sample ID: FS71

Lab Sample ID: 890-160-53

Date Collected: 02/08/21 10:53

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 19:03	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 19:03	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 19:03	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/21 17:32	02/10/21 19:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/08/21 17:32	02/10/21 19:03	1
4-Bromofluorobenzene (Surr)	108		70 - 130	02/08/21 17:32	02/10/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:14	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:14	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS71

Lab Sample ID: 890-160-53

Date Collected: 02/08/21 10:53

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:14	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 135				02/10/21 20:42	02/12/21 08:14	1
o-Terphenyl	113		70 - 135				02/10/21 20:42	02/12/21 08:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16600		199		mg/Kg			02/09/21 19:13	20

Client Sample ID: FS72

Lab Sample ID: 890-160-54

Date Collected: 02/08/21 10:55

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 19:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:32	02/10/21 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:32	02/10/21 19:25	1
4-Bromofluorobenzene (Surr)	104		70 - 130				02/08/21 17:32	02/10/21 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:34	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:34	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:34	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 08:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/10/21 20:42	02/12/21 08:34	1
o-Terphenyl	100		70 - 135				02/10/21 20:42	02/12/21 08:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17100		202		mg/Kg			02/09/21 19:18	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS73

Lab Sample ID: 890-160-55

Date Collected: 02/08/21 12:10

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 19:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 19:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 19:48	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 19:48	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 19:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 17:32	02/10/21 19:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:32	02/10/21 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 17:32	02/10/21 19:48	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/08/21 17:32	02/10/21 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 08:54	1
Total TPH	63.6		50.1		mg/Kg		02/10/21 20:42	02/12/21 08:54	1
>C10-C28	63.6		50.1		mg/Kg		02/10/21 20:42	02/12/21 08:54	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:42	02/12/21 08:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135	02/10/21 20:42	02/12/21 08:54	1
o-Terphenyl	102		70 - 135	02/10/21 20:42	02/12/21 08:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15700		200		mg/Kg			02/09/21 19:24	20

Client Sample ID: FS74

Lab Sample ID: 890-160-56

Date Collected: 02/08/21 12:12

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:32	02/10/21 20:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 20:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 20:10	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 20:10	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 20:10	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 17:32	02/10/21 20:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:32	02/10/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/08/21 17:32	02/10/21 20:10	1
4-Bromofluorobenzene (Surr)	107		70 - 130	02/08/21 17:32	02/10/21 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 09:33	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 09:33	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS74

Lab Sample ID: 890-160-56

Date Collected: 02/08/21 12:12

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 09:33	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 09:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/10/21 20:42	02/12/21 09:33	1
o-Terphenyl	107		70 - 135				02/10/21 20:42	02/12/21 09:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13200		199		mg/Kg			02/09/21 19:30	20

Client Sample ID: FS75

Lab Sample ID: 890-160-57

Date Collected: 02/04/21 13:54

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
Ethylbenzene	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
Toluene	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
Total BTEX	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
Xylenes, Total	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
m,p-Xylenes	<0.0200	U	0.0200		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
o-Xylene	<0.0100	U	0.0100		mg/Kg		02/08/21 17:32	02/10/21 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130				02/08/21 17:32	02/10/21 20:32	1
4-Bromofluorobenzene (Surr)	100		70 - 130				02/08/21 17:32	02/10/21 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 09:53	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 09:53	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 09:53	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:42	02/12/21 09:53	1
o-Terphenyl	106		70 - 135				02/10/21 20:42	02/12/21 09:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		100		mg/Kg			02/09/21 19:35	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS76

Lab Sample ID: 890-160-58

Date Collected: 02/04/21 13:49

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 11:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 11:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 11:14	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 11:14	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 11:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 19:00	02/09/21 11:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 19:00	02/09/21 11:14	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 19:00	02/09/21 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:13	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:13	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:13	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 135	02/10/21 20:42	02/12/21 10:13	1
o-Terphenyl	113		70 - 135	02/10/21 20:42	02/12/21 10:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3270		99.4		mg/Kg			02/09/21 20:09	10

Client Sample ID: FS77

Lab Sample ID: 890-160-59

Date Collected: 02/04/21 13:37

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 12:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:22	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:22	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:22	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 19:00	02/09/21 12:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 19:00	02/09/21 12:22	1
4-Bromofluorobenzene (Surr)	92		70 - 130	02/08/21 19:00	02/09/21 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:33	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:33	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS77

Lab Sample ID: 890-160-59

Date Collected: 02/04/21 13:37

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:33	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:42	02/12/21 10:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/10/21 20:42	02/12/21 10:33	1
o-Terphenyl	107		70 - 135				02/10/21 20:42	02/12/21 10:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10200		201		mg/Kg			02/09/21 20:26	20

Client Sample ID: FS78

Lab Sample ID: 890-160-60

Date Collected: 02/08/21 12:16

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 12:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 19:00	02/09/21 12:44	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/08/21 19:00	02/09/21 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 10:53	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 10:53	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 10:53	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:42	02/12/21 10:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 20:42	02/12/21 10:53	1
o-Terphenyl	102		70 - 135				02/10/21 20:42	02/12/21 10:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15300		202		mg/Kg			02/09/21 20:32	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS79

Lab Sample ID: 890-160-61

Date Collected: 02/08/21 12:18

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/08/21 19:00	02/09/21 13:07	1
4-Bromofluorobenzene (Surr)	90		70 - 130				02/08/21 19:00	02/09/21 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 03:18	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 03:18	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 03:18	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 135				02/10/21 20:21	02/12/21 03:18	1
o-Terphenyl	96		70 - 135				02/10/21 20:21	02/12/21 03:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25900		199		mg/Kg			02/09/21 20:38	20

Client Sample ID: FS80

Lab Sample ID: 890-160-62

Date Collected: 02/08/21 12:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 19:00	02/09/21 13:29	1
4-Bromofluorobenzene (Surr)	89		70 - 130				02/08/21 19:00	02/09/21 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 04:17	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 04:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS80

Lab Sample ID: 890-160-62

Date Collected: 02/08/21 12:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 04:17	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135				02/10/21 20:21	02/12/21 04:17	1
o-Terphenyl	97		70 - 135				02/10/21 20:21	02/12/21 04:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15300		200		mg/Kg			02/09/21 20:43	20

Client Sample ID: FS81

Lab Sample ID: 890-160-63

Date Collected: 02/08/21 12:22

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 14:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130				02/08/21 19:00	02/09/21 14:14	1
4-Bromofluorobenzene (Surr)	94		70 - 130				02/08/21 19:00	02/09/21 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<0.501	U	0.501		mg/Kg		02/10/21 20:21	02/12/21 04:37	1
Total TPH	0.822		0.501		mg/Kg		02/10/21 20:21	02/12/21 04:37	1
>C10-C28	0.822		0.501		mg/Kg		02/10/21 20:21	02/12/21 04:37	1
>C28-C35	<0.501	U	0.501		mg/Kg		02/10/21 20:21	02/12/21 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135				02/10/21 20:21	02/12/21 04:37	1
o-Terphenyl	98		70 - 135				02/10/21 20:21	02/12/21 04:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21400		500		mg/Kg			02/18/21 16:02	50

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS82

Lab Sample ID: 890-160-64

Date Collected: 02/08/21 12:11

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 14:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 14:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 14:37	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 14:37	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 14:37	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 19:00	02/09/21 14:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 19:00	02/09/21 14:37	1
4-Bromofluorobenzene (Surr)	93		70 - 130	02/08/21 19:00	02/09/21 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 04:57	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 04:57	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 04:57	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 135	02/10/21 20:21	02/12/21 04:57	1
o-Terphenyl	92		70 - 135	02/10/21 20:21	02/12/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5580		100		mg/Kg			02/09/21 21:06	10

Client Sample ID: FS83

Lab Sample ID: 890-160-65

Date Collected: 02/04/21 13:52

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 14:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 14:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 14:59	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 14:59	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 14:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 19:00	02/09/21 14:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 19:00	02/09/21 14:59	1
4-Bromofluorobenzene (Surr)	88		70 - 130	02/08/21 19:00	02/09/21 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.3	U	50.3		mg/Kg		02/10/21 20:21	02/12/21 05:17	1
Total TPH	<50.3	U	50.3		mg/Kg		02/10/21 20:21	02/12/21 05:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS83

Lab Sample ID: 890-160-65

Date Collected: 02/04/21 13:52

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.3	U	50.3		mg/Kg		02/10/21 20:21	02/12/21 05:17	1
>C28-C35	<50.3	U	50.3		mg/Kg		02/10/21 20:21	02/12/21 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135				02/10/21 20:21	02/12/21 05:17	1
o-Terphenyl	101		70 - 135				02/10/21 20:21	02/12/21 05:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4770		100		mg/Kg			02/09/21 21:12	10

Client Sample ID: FS84

Lab Sample ID: 890-160-66

Date Collected: 02/08/21 12:14

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 15:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 19:00	02/09/21 15:22	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/08/21 19:00	02/09/21 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 05:56	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 05:56	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 05:56	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				02/10/21 20:21	02/12/21 05:56	1
o-Terphenyl	105		70 - 135				02/10/21 20:21	02/12/21 05:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6060		99.0		mg/Kg			02/09/21 21:18	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS85

Lab Sample ID: 890-160-67

Date Collected: 02/08/21 12:16

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 15:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 15:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 15:44	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 15:44	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 15:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 19:00	02/09/21 15:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 19:00	02/09/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 19:00	02/09/21 15:44	1
4-Bromofluorobenzene (Surr)	89		70 - 130	02/08/21 19:00	02/09/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 06:16	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 06:16	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 06:16	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 06:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 135	02/10/21 20:21	02/12/21 06:16	1
o-Terphenyl	89		70 - 135	02/10/21 20:21	02/12/21 06:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8370		100		mg/Kg			02/09/21 21:23	10

Client Sample ID: FS86

Lab Sample ID: 890-160-68

Date Collected: 02/08/21 12:17

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
Ethylbenzene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
Toluene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
Total BTEX	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
Xylenes, Total	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
m,p-Xylenes	<0.0200	U	0.0200		mg/Kg		02/08/21 19:00	02/09/21 16:06	1
o-Xylene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130	02/08/21 19:00	02/09/21 16:06	1
4-Bromofluorobenzene (Surr)	89		70 - 130	02/08/21 19:00	02/09/21 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 06:36	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 06:36	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS86

Lab Sample ID: 890-160-68

Date Collected: 02/08/21 12:17

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 06:36	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 135				02/10/21 20:21	02/12/21 06:36	1
o-Terphenyl	93		70 - 135				02/10/21 20:21	02/12/21 06:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18200		198		mg/Kg			02/09/21 21:29	20

Client Sample ID: FS87

Lab Sample ID: 890-160-69

Date Collected: 02/08/21 12:19

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
Ethylbenzene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
Toluene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
Total BTEX	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
Xylenes, Total	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
m,p-Xylenes	<0.0200	U	0.0200		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
o-Xylene	<0.0100	U	0.0100		mg/Kg		02/08/21 19:00	02/09/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 19:00	02/09/21 16:29	1
4-Bromofluorobenzene (Surr)	88		70 - 130				02/08/21 19:00	02/09/21 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 06:55	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 06:55	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 06:55	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 135				02/10/21 20:21	02/12/21 06:55	1
o-Terphenyl	109		70 - 135				02/10/21 20:21	02/12/21 06:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11900		202		mg/Kg			02/09/21 21:46	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS88

Lab Sample ID: 890-160-70

Date Collected: 02/08/21 12:21

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 16:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 16:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 16:51	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 16:51	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 16:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 19:00	02/09/21 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130	02/08/21 19:00	02/09/21 16:51	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 19:00	02/09/21 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:15	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:15	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:15	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135	02/10/21 20:21	02/12/21 07:15	1
o-Terphenyl	98		70 - 135	02/10/21 20:21	02/12/21 07:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		200		mg/Kg			02/09/21 21:52	20

Client Sample ID: FS89

Lab Sample ID: 890-160-71

Date Collected: 02/08/21 12:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 17:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 17:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 17:14	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 17:14	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 17:14	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 19:00	02/09/21 17:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 19:00	02/09/21 17:14	1
4-Bromofluorobenzene (Surr)	93		70 - 130	02/08/21 19:00	02/09/21 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:35	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:35	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS89

Lab Sample ID: 890-160-71

Date Collected: 02/08/21 12:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:35	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:21	02/12/21 07:35	1
o-Terphenyl	102		70 - 135				02/10/21 20:21	02/12/21 07:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6660		200		mg/Kg			02/09/21 22:09	20

Client Sample ID: FS90

Lab Sample ID: 890-160-72

Date Collected: 02/08/21 12:26

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
Ethylbenzene	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
Toluene	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
Total BTEX	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
Xylenes, Total	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
m,p-Xylenes	<0.0208	U	0.0208		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
o-Xylene	<0.0104	U	0.0104		mg/Kg		02/08/21 19:00	02/09/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/08/21 19:00	02/09/21 17:59	1
4-Bromofluorobenzene (Surr)	86		70 - 130				02/08/21 19:00	02/09/21 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:54	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:54	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:54	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 07:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 20:21	02/12/21 07:54	1
o-Terphenyl	97		70 - 135				02/10/21 20:21	02/12/21 07:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8600		200		mg/Kg			02/09/21 22:14	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS91

Lab Sample ID: 890-160-73

Date Collected: 02/08/21 12:28

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 19:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:00	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:00	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:00	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 19:00	02/09/21 19:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/08/21 19:00	02/09/21 19:00	1
4-Bromofluorobenzene (Surr)	84		70 - 130	02/08/21 19:00	02/09/21 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 08:14	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 08:14	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 08:14	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135	02/10/21 20:21	02/12/21 08:14	1
o-Terphenyl	97		70 - 135	02/10/21 20:21	02/12/21 08:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9800		200		mg/Kg			02/09/21 22:20	20

Client Sample ID: FS92

Lab Sample ID: 890-160-74

Date Collected: 02/08/21 12:29

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 19:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 19:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 19:23	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 19:23	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 19:23	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/08/21 19:00	02/09/21 19:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 19:00	02/09/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130	02/08/21 19:00	02/09/21 19:23	1
4-Bromofluorobenzene (Surr)	93		70 - 130	02/08/21 19:00	02/09/21 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 08:34	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 08:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS92

Lab Sample ID: 890-160-74

Date Collected: 02/08/21 12:29

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 08:34	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 08:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 20:21	02/12/21 08:34	1
o-Terphenyl	101		70 - 135				02/10/21 20:21	02/12/21 08:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15400		198		mg/Kg			02/09/21 22:26	20

Client Sample ID: FS93

Lab Sample ID: 890-160-75

Date Collected: 02/08/21 12:31

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 19:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 19:00	02/09/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/08/21 19:00	02/09/21 19:45	1
4-Bromofluorobenzene (Surr)	93		70 - 130				02/08/21 19:00	02/09/21 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 08:54	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 08:54	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 08:54	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:21	02/12/21 08:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135				02/10/21 20:21	02/12/21 08:54	1
o-Terphenyl	100		70 - 135				02/10/21 20:21	02/12/21 08:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15500		200		mg/Kg			02/09/21 22:31	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS94

Lab Sample ID: 890-160-76

Date Collected: 02/08/21 12:32

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
Ethylbenzene	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
Toluene	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
Total BTEX	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
Xylenes, Total	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
m,p-Xylenes	<0.0194	U	0.0194		mg/Kg		02/08/21 19:00	02/09/21 20:07	1
o-Xylene	<0.00971	U	0.00971		mg/Kg		02/08/21 19:00	02/09/21 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 19:00	02/09/21 20:07	1
4-Bromofluorobenzene (Surr)	92		70 - 130	02/08/21 19:00	02/09/21 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:33	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:33	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:33	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 135	02/10/21 20:21	02/12/21 09:33	1
o-Terphenyl	90		70 - 135	02/10/21 20:21	02/12/21 09:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14500		198		mg/Kg			02/09/21 22:37	20

Client Sample ID: FS95

Lab Sample ID: 890-160-77

Date Collected: 02/08/21 12:34

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 19:00	02/09/21 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 20:30	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 20:30	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 20:30	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/21 19:00	02/09/21 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/21 19:00	02/09/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 19:00	02/09/21 20:30	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/08/21 19:00	02/09/21 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:53	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS95

Date Collected: 02/08/21 12:34

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-77

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:53	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 20:21	02/12/21 09:53	1
o-Terphenyl	98		70 - 135				02/10/21 20:21	02/12/21 09:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		200		mg/Kg			02/09/21 22:43	20

Client Sample ID: FS96

Date Collected: 02/08/21 12:35

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-78

Matrix: Solid

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		02/08/21 17:58	02/09/21 22:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 17:58	02/09/21 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:58	02/09/21 22:50	1
4-Bromofluorobenzene (Surr)	109		70 - 130				02/08/21 17:58	02/09/21 22:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 10:13	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 10:13	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 10:13	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:21	02/12/21 10:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 135				02/10/21 20:21	02/12/21 10:13	1
o-Terphenyl	107		70 - 135				02/10/21 20:21	02/12/21 10:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		496		mg/Kg			02/09/21 23:17	50

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS97

Lab Sample ID: 890-160-79

Date Collected: 02/08/21 12:57

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/09/21 23:57	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:58	02/09/21 23:57	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:58	02/09/21 23:57	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/08/21 17:58	02/09/21 23:57	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/08/21 17:58	02/09/21 23:57	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/08/21 17:58	02/09/21 23:57	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/08/21 17:58	02/09/21 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:58	02/09/21 23:57	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/08/21 17:58	02/09/21 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 10:33	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 10:33	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 10:33	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135	02/10/21 20:21	02/12/21 10:33	1
o-Terphenyl	105		70 - 135	02/10/21 20:21	02/12/21 10:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16400		198		mg/Kg			02/09/21 23:34	20

Client Sample ID: FS98

Lab Sample ID: 890-160-80

Date Collected: 02/08/21 12:58

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 00:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 00:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 00:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 00:20	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 00:20	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/21 17:58	02/10/21 00:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130	02/08/21 17:58	02/10/21 00:20	1
4-Bromofluorobenzene (Surr)	98		70 - 130	02/08/21 17:58	02/10/21 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 10:53	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 10:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS98

Date Collected: 02/08/21 12:58

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-80

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 10:53	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:21	02/12/21 10:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:21	02/12/21 10:53	1
o-Terphenyl	104		70 - 135				02/10/21 20:21	02/12/21 10:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3610		101		mg/Kg			02/09/21 23:39	10

Client Sample ID: FS99

Date Collected: 02/08/21 13:01

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-81

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
Ethylbenzene	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
Toluene	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
Total BTEX	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
Xylenes, Total	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
m,p-Xylenes	<0.0208	U	0.0208		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
o-Xylene	<0.0104	U	0.0104		mg/Kg		02/08/21 17:58	02/10/21 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 17:58	02/10/21 00:42	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 17:58	02/10/21 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 18:29	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 18:29	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 18:29	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/10/21 20:29	02/12/21 18:29	1
o-Terphenyl	100		70 - 135				02/10/21 20:29	02/12/21 18:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14700		202		mg/Kg			02/09/21 23:45	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS100

Lab Sample ID: 890-160-82

Date Collected: 02/08/21 13:02

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 01:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 01:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 01:04	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 01:04	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 01:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:58	02/10/21 01:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130	02/08/21 17:58	02/10/21 01:04	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/08/21 17:58	02/10/21 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 19:29	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 19:29	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 19:29	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135	02/10/21 20:29	02/12/21 19:29	1
o-Terphenyl	99		70 - 135	02/10/21 20:29	02/12/21 19:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11600		202		mg/Kg			02/09/21 23:51	20

Client Sample ID: FS101

Lab Sample ID: 890-160-83

Date Collected: 02/08/21 13:04

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 01:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 01:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 01:49	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 01:49	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 01:49	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 17:58	02/10/21 01:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:58	02/10/21 01:49	1
4-Bromofluorobenzene (Surr)	111		70 - 130	02/08/21 17:58	02/10/21 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 19:48	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 19:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS101

Lab Sample ID: 890-160-83

Date Collected: 02/08/21 13:04

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 19:48	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/10/21 20:29	02/12/21 19:48	1
o-Terphenyl	105		70 - 135				02/10/21 20:29	02/12/21 19:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19800		504		mg/Kg			02/18/21 16:07	50

Client Sample ID: FS102

Lab Sample ID: 890-160-84

Date Collected: 02/08/21 13:05

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 02:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 17:58	02/10/21 02:12	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/08/21 17:58	02/10/21 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:08	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:08	1
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:08	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135				02/10/21 20:29	02/12/21 20:08	1
o-Terphenyl	101		70 - 135				02/10/21 20:29	02/12/21 20:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21800		504		mg/Kg			02/18/21 16:13	50

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS103

Lab Sample ID: 890-160-85

Date Collected: 02/08/21 13:07

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 02:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 02:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 02:34	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 02:34	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 02:34	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:58	02/10/21 02:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 17:58	02/10/21 02:34	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/08/21 17:58	02/10/21 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:27	1
Total TPH	108		49.8		mg/Kg		02/10/21 20:29	02/12/21 20:27	1
>C10-C28	108		49.8		mg/Kg		02/10/21 20:29	02/12/21 20:27	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 135	02/10/21 20:29	02/12/21 20:27	1
o-Terphenyl	112		70 - 135	02/10/21 20:29	02/12/21 20:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19800		202		mg/Kg			02/10/21 00:19	20

Client Sample ID: FS104

Lab Sample ID: 890-160-86

Date Collected: 02/08/21 13:08

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
Ethylbenzene	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
Toluene	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
Total BTEX	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
Xylenes, Total	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
m,p-Xylenes	<0.0204	U	0.0204		mg/Kg		02/08/21 17:58	02/10/21 02:57	1
o-Xylene	<0.0102	U	0.0102		mg/Kg		02/08/21 17:58	02/10/21 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 17:58	02/10/21 02:57	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/08/21 17:58	02/10/21 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 21:06	1
Total TPH	211		50.0		mg/Kg		02/10/21 20:29	02/12/21 21:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS104

Lab Sample ID: 890-160-86

Date Collected: 02/08/21 13:08

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	211		50.0		mg/Kg		02/10/21 20:29	02/12/21 21:06	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:29	02/12/21 21:06	1
o-Terphenyl	104		70 - 135				02/10/21 20:29	02/12/21 21:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16100		199		mg/Kg			02/10/21 00:25	20

Client Sample ID: FS105

Lab Sample ID: 890-160-87

Date Collected: 02/08/21 13:10

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 03:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
Toluene	0.00269		0.00200		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
Total BTEX	0.00269		0.00200		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/10/21 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130				02/08/21 17:58	02/10/21 03:19	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/08/21 17:58	02/10/21 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 21:25	1
Total TPH	139		50.1		mg/Kg		02/10/21 20:29	02/12/21 21:25	1
>C10-C28	139		50.1		mg/Kg		02/10/21 20:29	02/12/21 21:25	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135				02/10/21 20:29	02/12/21 21:25	1
o-Terphenyl	104		70 - 135				02/10/21 20:29	02/12/21 21:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17400		201		mg/Kg			02/10/21 00:30	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS106

Lab Sample ID: 890-160-88

Date Collected: 02/08/21 13:12

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 03:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 03:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 03:42	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 03:42	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 03:42	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 17:58	02/10/21 03:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 17:58	02/10/21 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/08/21 17:58	02/10/21 03:42	1
4-Bromofluorobenzene (Surr)	108		70 - 130	02/08/21 17:58	02/10/21 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 21:44	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 21:44	1
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 21:44	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135	02/10/21 20:29	02/12/21 21:44	1
o-Terphenyl	102		70 - 135	02/10/21 20:29	02/12/21 21:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12100		200		mg/Kg			02/10/21 00:36	20

Client Sample ID: FS107

Lab Sample ID: 890-160-89

Date Collected: 02/08/21 13:14

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 17:58	02/10/21 04:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 04:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 04:04	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 04:04	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 04:04	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/08/21 17:58	02/10/21 04:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 17:58	02/10/21 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130	02/08/21 17:58	02/10/21 04:04	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/08/21 17:58	02/10/21 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 22:04	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 22:04	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS107

Lab Sample ID: 890-160-89

Date Collected: 02/08/21 13:14

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 22:04	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/10/21 20:29	02/12/21 22:04	1
o-Terphenyl	99		70 - 135				02/10/21 20:29	02/12/21 22:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9790		201		mg/Kg			02/10/21 00:53	20

Client Sample ID: FS108

Lab Sample ID: 890-160-90

Date Collected: 02/08/21 13:15

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130				02/08/21 17:58	02/10/21 04:26	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/08/21 17:58	02/10/21 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 22:23	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 22:23	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 22:23	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 20:29	02/12/21 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135				02/10/21 20:29	02/12/21 22:23	1
o-Terphenyl	100		70 - 135				02/10/21 20:29	02/12/21 22:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27400		502		mg/Kg			02/10/21 00:59	50

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS109

Lab Sample ID: 890-160-91

Date Collected: 02/08/21 13:17

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
Ethylbenzene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
Toluene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
Total BTEX	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
Xylenes, Total	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
m,p-Xylenes	<0.0377	U	0.0377		mg/Kg		02/08/21 17:58	02/10/21 04:49	1
o-Xylene	<0.0189	U	0.0189		mg/Kg		02/08/21 17:58	02/10/21 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130	02/08/21 17:58	02/10/21 04:49	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/08/21 17:58	02/10/21 04:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 22:42	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 22:42	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 22:42	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135	02/10/21 20:29	02/12/21 22:42	1
o-Terphenyl	107		70 - 135	02/10/21 20:29	02/12/21 22:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17300		201		mg/Kg			02/10/21 01:16	20

Client Sample ID: FS110

Lab Sample ID: 890-160-92

Date Collected: 02/08/21 13:18

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/08/21 17:58	02/10/21 05:12	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130	02/08/21 17:58	02/10/21 05:12	1
4-Bromofluorobenzene (Surr)	99		70 - 130	02/08/21 17:58	02/10/21 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 23:02	1
Total TPH	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 23:02	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS110

Lab Sample ID: 890-160-92

Date Collected: 02/08/21 13:18

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 23:02	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/12/21 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135				02/10/21 20:29	02/12/21 23:02	1
o-Terphenyl	102		70 - 135				02/10/21 20:29	02/12/21 23:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6130		201		mg/Kg			02/10/21 01:21	20

Client Sample ID: FS111

Lab Sample ID: 890-160-93

Date Collected: 02/08/21 13:20

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
Ethylbenzene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
Toluene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
Total BTEX	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
Xylenes, Total	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
m,p-Xylenes	<0.0385	U	0.0385		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
o-Xylene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130				02/08/21 17:58	02/10/21 05:56	1
4-Bromofluorobenzene (Surr)	98		70 - 130				02/08/21 17:58	02/10/21 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 23:21	1
Total TPH	172		50.1		mg/Kg		02/10/21 20:29	02/12/21 23:21	1
>C10-C28	172		50.1		mg/Kg		02/10/21 20:29	02/12/21 23:21	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/12/21 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 135				02/10/21 20:29	02/12/21 23:21	1
o-Terphenyl	99		70 - 135				02/10/21 20:29	02/12/21 23:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11700		99.8		mg/Kg			02/10/21 01:27	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS112

Lab Sample ID: 890-160-94

Date Collected: 02/08/21 13:22

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/08/21 17:58	02/10/21 06:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	94		70 - 130				02/08/21 17:58	02/10/21 06:19	1
4-Bromofluorobenzene (Surr)	95		70 - 130				02/08/21 17:58	02/10/21 06:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 23:40	1
Total TPH	250		49.9		mg/Kg		02/10/21 20:29	02/12/21 23:40	1
>C10-C28	250		49.9		mg/Kg		02/10/21 20:29	02/12/21 23:40	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/10/21 20:29	02/12/21 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				02/10/21 20:29	02/12/21 23:40	1
o-Terphenyl	99		70 - 135				02/10/21 20:29	02/12/21 23:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5720		101		mg/Kg			02/10/21 01:33	10

Client Sample ID: FS113

Lab Sample ID: 890-160-95

Date Collected: 02/08/21 13:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
Ethylbenzene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
Toluene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
Total BTEX	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
Xylenes, Total	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
m,p-Xylenes	<0.0370	U	0.0370		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
o-Xylene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 06:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/08/21 17:58	02/10/21 06:41	1
4-Bromofluorobenzene (Surr)	100		70 - 130				02/08/21 17:58	02/10/21 06:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/13/21 00:00	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/13/21 00:00	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS113

Lab Sample ID: 890-160-95

Date Collected: 02/08/21 13:23

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/13/21 00:00	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/13/21 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:29	02/13/21 00:00	1
o-Terphenyl	103		70 - 135				02/10/21 20:29	02/13/21 00:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4820		100		mg/Kg			02/10/21 01:38	10

Client Sample ID: FS114

Lab Sample ID: 890-160-96

Date Collected: 02/08/21 13:27

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
Ethylbenzene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
Toluene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
Total BTEX	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
Xylenes, Total	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
m,p-Xylenes	<0.0385	U	0.0385		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
o-Xylene	<0.0192	U	0.0192		mg/Kg		02/08/21 17:58	02/10/21 07:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 17:58	02/10/21 07:04	1
4-Bromofluorobenzene (Surr)	106		70 - 130				02/08/21 17:58	02/10/21 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/13/21 00:38	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/13/21 00:38	1
>C10-C28	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/13/21 00:38	1
>C28-C35	<50.1	U	50.1		mg/Kg		02/10/21 20:29	02/13/21 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135				02/10/21 20:29	02/13/21 00:38	1
o-Terphenyl	99		70 - 135				02/10/21 20:29	02/13/21 00:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	484		198		mg/Kg			02/10/21 01:44	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS115

Lab Sample ID: 890-160-97

Date Collected: 02/08/21 13:29

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
Ethylbenzene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
Toluene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
Total BTEX	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
Xylenes, Total	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
m,p-Xylenes	<0.0370	U	0.0370		mg/Kg		02/08/21 17:58	02/10/21 07:26	1
o-Xylene	<0.0185	U	0.0185		mg/Kg		02/08/21 17:58	02/10/21 07:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:58	02/10/21 07:26	1
4-Bromofluorobenzene (Surr)	100		70 - 130	02/08/21 17:58	02/10/21 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 13:50	1
Total TPH	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 13:50	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 13:50	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 135	02/17/21 08:02	02/17/21 13:50	1
o-Terphenyl	92		70 - 135	02/17/21 08:02	02/17/21 13:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8160		198		mg/Kg			02/10/21 01:50	20

Client Sample ID: FS116

Lab Sample ID: 890-160-98

Date Collected: 02/08/21 13:30

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 18:00	02/09/21 22:22	1
Ethylbenzene	0.00690		0.00200		mg/Kg		02/08/21 18:00	02/09/21 22:22	1
Toluene	0.00390		0.00200		mg/Kg		02/08/21 18:00	02/09/21 22:22	1
Total BTEX	0.0483		0.00200		mg/Kg		02/08/21 18:00	02/09/21 22:22	1
Xylenes, Total	0.0375		0.00200		mg/Kg		02/08/21 18:00	02/09/21 22:22	1
m,p-Xylenes	0.0260		0.00401		mg/Kg		02/08/21 18:00	02/09/21 22:22	1
o-Xylene	0.0115		0.00200		mg/Kg		02/08/21 18:00	02/09/21 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	02/08/21 18:00	02/09/21 22:22	1
4-Bromofluorobenzene (Surr)	82		70 - 130	02/08/21 18:00	02/09/21 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/13/21 01:17	1
Total TPH	425		49.8		mg/Kg		02/10/21 20:29	02/13/21 01:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS116

Lab Sample ID: 890-160-98

Date Collected: 02/08/21 13:30

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	425		49.8		mg/Kg		02/10/21 20:29	02/13/21 01:17	1
>C28-C35	<49.8	U	49.8		mg/Kg		02/10/21 20:29	02/13/21 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135				02/10/21 20:29	02/13/21 01:17	1
o-Terphenyl	106		70 - 135				02/10/21 20:29	02/13/21 01:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9900		202		mg/Kg			02/10/21 02:24	20

Client Sample ID: FS117

Lab Sample ID: 890-160-99

Date Collected: 02/08/21 13:32

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 18:00	02/09/21 23:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/09/21 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/08/21 18:00	02/09/21 23:29	1
4-Bromofluorobenzene (Surr)	121		70 - 130				02/08/21 18:00	02/09/21 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		02/10/21 11:14	02/11/21 12:06	1
Total TPH	700		49.8		mg/Kg		02/10/21 11:14	02/11/21 12:06	1
>C10-C28	617		49.8		mg/Kg		02/10/21 11:14	02/11/21 12:06	1
>C28-C35	82.5		49.8		mg/Kg		02/10/21 11:14	02/11/21 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 135				02/10/21 11:14	02/11/21 12:06	1
o-Terphenyl	95		70 - 135				02/10/21 11:14	02/11/21 12:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		202		mg/Kg			02/10/21 02:41	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS118

Lab Sample ID: 890-160-100

Date Collected: 02/08/21 13:34

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 18:00	02/09/21 23:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/21 18:00	02/09/21 23:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/21 18:00	02/09/21 23:52	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/08/21 18:00	02/09/21 23:52	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/08/21 18:00	02/09/21 23:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/21 18:00	02/09/21 23:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/21 18:00	02/09/21 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/08/21 18:00	02/09/21 23:52	1
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/08/21 18:00	02/09/21 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.2	U	50.2		mg/Kg		02/10/21 11:14	02/11/21 12:26	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/21 11:14	02/11/21 12:26	1
>C10-C28	<50.2	U	50.2		mg/Kg		02/10/21 11:14	02/11/21 12:26	1
>C28-C35	<50.2	U	50.2		mg/Kg		02/10/21 11:14	02/11/21 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135	02/10/21 11:14	02/11/21 12:26	1
o-Terphenyl	105		70 - 135	02/10/21 11:14	02/11/21 12:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12300		201		mg/Kg			02/10/21 02:46	20

Client Sample ID: FS119

Lab Sample ID: 890-160-101

Date Collected: 02/08/21 13:36

Matrix: Solid

Date Received: 02/08/21 16:18

Sample Depth: - 4

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		02/08/21 18:00	02/10/21 00:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/10/21 00:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/10/21 00:14	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/10/21 00:14	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/10/21 00:14	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/08/21 18:00	02/10/21 00:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/21 18:00	02/10/21 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/08/21 18:00	02/10/21 00:14	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/08/21 18:00	02/10/21 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		02/09/21 18:09	02/10/21 14:18	1
Total TPH	<49.9	U	49.9		mg/Kg		02/09/21 18:09	02/10/21 14:18	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS119

Date Collected: 02/08/21 13:36

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-101

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C10-C28	<49.9	U	49.9		mg/Kg		02/09/21 18:09	02/10/21 14:18	1
>C28-C35	<49.9	U	49.9		mg/Kg		02/09/21 18:09	02/10/21 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 135				02/09/21 18:09	02/10/21 14:18	1
o-Terphenyl	106		70 - 135				02/09/21 18:09	02/10/21 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4910		101		mg/Kg			02/10/21 02:52	10

Client Sample ID: FS120

Date Collected: 02/08/21 13:37

Date Received: 02/08/21 16:18

Sample Depth: - 4

Lab Sample ID: 890-160-102

Matrix: Solid

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		02/08/21 18:00	02/10/21 00:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/10/21 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				02/08/21 18:00	02/10/21 00:37	1
4-Bromofluorobenzene (Surr)	89		70 - 130				02/08/21 18:00	02/10/21 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 14:39	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 14:39	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 14:39	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 135				02/09/21 18:09	02/10/21 14:39	1
o-Terphenyl	108		70 - 135				02/09/21 18:09	02/10/21 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3740		100		mg/Kg			02/10/21 02:58	10

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1 (70-130)	BFB1 (70-130)
890-158-A-1-L MS	Matrix Spike	97	99
890-158-A-1-M MSD	Matrix Spike Duplicate	94	101
890-160-1	FS19	103	105
890-160-2	FS20	99	106
890-160-3	FS21	103	111
890-160-4	FS22	104	96
890-160-5	FS23	101	106
890-160-6	FS24	102	105
890-160-7	FS25	96	101
890-160-8	FS26	103	106
890-160-9	FS27	100	108
890-160-10	FS28	96	103
890-160-11	FS29	99	106
890-160-12	FS30	106	110
890-160-13	FS31	103	90
890-160-14	FS32	101	89
890-160-15	FS33	108	96
890-160-16	FS34	104	86
890-160-17	FS35	102	91
890-160-18	FS36	101	90
890-160-18 MS	FS36	98	93
890-160-18 MSD	FS36	100	87
890-160-19	FS37	105	87
890-160-20	FS38	106	93
890-160-21	FS39	103	90
890-160-22	FS40	105	92
890-160-23	FS41	102	91
890-160-24	FS42	106	91
890-160-25	FS43	101	89
890-160-26	FS44	103	91
890-160-27	FS45	105	95
890-160-28	FS46	105	90
890-160-29	FS47	103	89
890-160-30	FS48	107	92
890-160-31	FS49	104	92
890-160-32	FS50	105	91
890-160-33	FS51	105	95
890-160-34	FS52	103	94
890-160-35	FS53	107	91
890-160-36	FS54	104	89
890-160-37	FS55	103	90
890-160-38	FS56	100	101
890-160-38 MS	FS56	96	95
890-160-38 MSD	FS56	94	92
890-160-39	FS57	99	105
890-160-40	FS58	104	105
890-160-41	FS59	101	107
890-160-42	FS60	98	102
890-160-43	FS61	100	106

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-160-1

Project/Site: Stovepipe Release

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1 (70-130)	BFB1 (70-130)
890-160-44	FS62	104	107
890-160-45	FS63	101	102
890-160-46	FS64	98	104
890-160-47	FS65	101	104
890-160-48	FS66	101	107
890-160-49	FS67	101	104
890-160-50	FS68	99	102
890-160-51	FS69	102	105
890-160-52	FS70	99	99
890-160-53	FS71	102	108
890-160-54	FS72	101	104
890-160-55	FS73	101	106
890-160-56	FS74	102	107
890-160-57	FS75	95	100
890-160-58	FS76	104	90
890-160-58 MS	FS76	99	85
890-160-58 MSD	FS76	97	89
890-160-59	FS77	106	92
890-160-60	FS78	107	91
890-160-61	FS79	106	90
890-160-62	FS80	107	89
890-160-63	FS81	108	94
890-160-64	FS82	106	93
890-160-65	FS83	106	88
890-160-66	FS84	107	91
890-160-67	FS85	105	89
890-160-68	FS86	108	89
890-160-69	FS87	107	88
890-160-70	FS88	108	90
890-160-71	FS89	106	93
890-160-72	FS90	106	86
890-160-73	FS91	104	84
890-160-74	FS92	107	93
890-160-75	FS93	104	93
890-160-76	FS94	103	92
890-160-77	FS95	103	91
890-160-78	FS96	101	109
890-160-78 MS	FS96	97	101
890-160-78 MSD	FS96	102	102
890-160-79	FS97	99	101
890-160-80	FS98	95	98
890-160-81	FS99	103	105
890-160-82	FS100	97	104
890-160-83	FS101	99	111
890-160-84	FS102	101	102
890-160-85	FS103	101	104
890-160-86	FS104	101	105
890-160-87	FS105	105	105
890-160-88	FS106	103	108
890-160-89	FS107	98	101

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-160-1

Project/Site: Stovepipe Release

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
890-160-90	FS108	96	102
890-160-91	FS109	95	105
890-160-92	FS110	98	99
890-160-93	FS111	96	98
890-160-94	FS112	94	95
890-160-95	FS113	99	100
890-160-96	FS114	103	106
890-160-97	FS115	99	100
890-160-98	FS116	96	82
890-160-98 MS	FS116	99	96
890-160-98 MSD	FS116	100	101
890-160-99	FS117	101	121
890-160-100	FS118	105	134 S1+
890-160-101	FS119	106	90
890-160-102	FS120	107	89
890-168-A-23-E MS	Matrix Spike	99	87
890-168-A-23-F MSD	Matrix Spike Duplicate	98	83
890-209-A-49-C MS	Matrix Spike	100	91
890-209-A-49-D MSD	Matrix Spike Duplicate	99	92
LCS 890-194/2-B	Lab Control Sample	94	93
LCS 890-198/2-A	Lab Control Sample	102	86
LCS 890-200/2-A	Lab Control Sample	96	98
LCS 890-205/2-A	Lab Control Sample	98	97
LCS 890-206/2-A	Lab Control Sample	102	85
LCS 890-217/2-A	Lab Control Sample	99	84
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 890-194/3-B	Lab Control Sample Dup	97	96
LCSD 890-198/3-A	Lab Control Sample Dup	102	89
LCSD 890-200/3-A	Lab Control Sample Dup	94	95
LCSD 890-205/3-A	Lab Control Sample Dup	96	94
LCSD 890-206/3-A	Lab Control Sample Dup	101	84
LCSD 890-217/3-A	Lab Control Sample Dup	101	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 890-194/1-B	Method Blank	101	107
MB 890-198/1-A	Method Blank	106	85
MB 890-200/1-A	Method Blank	98	99
MB 890-205/1-A	Method Blank	99	105
MB 890-206/1-A	Method Blank	103	87
MB 890-217/1-A	Method Blank	107	89
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)

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-160-1

Project/Site: Stovepipe Release

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 (70-135)	OTPH1 (70-135)
890-157-A-41-H MS	Matrix Spike	112	100
890-157-A-41-I MSD	Matrix Spike Duplicate	121	107
890-160-1	FS19	108	107
890-160-1 MS	FS19	111	101
890-160-1 MSD	FS19	111	102
890-160-2	FS20	101	100
890-160-3	FS21	107	104
890-160-4	FS22	107	103
890-160-5	FS23	101	95
890-160-6	FS24	152 S1+	151 S1+
890-160-7	FS25	143 S1+	140 S1+
890-160-8	FS26	148 S1+	147 S1+
890-160-9	FS27	146 S1+	146 S1+
890-160-10	FS28	158 S1+	157 S1+
890-160-11	FS29	153 S1+	151 S1+
890-160-12	FS30	154 S1+	154 S1+
890-160-13	FS31	141 S1+	140 S1+
890-160-14	FS32	157 S1+	158 S1+
890-160-15	FS33	178 S1+	178 S1+
890-160-16	FS34	104	94
890-160-17	FS35	97	92
890-160-18	FS36	102	97
890-160-19	FS37	112	109
890-160-20	FS38	110	108
890-160-21	FS39	99	95
890-160-21 MS	FS39	106	96
890-160-21 MSD	FS39	105	98
890-160-22	FS40	113	109
890-160-23	FS41	107	103
890-160-24	FS42	105	101
890-160-25	FS43	112	108
890-160-26	FS44	105	101
890-160-27	FS45	101	97
890-160-28	FS46	108	104
890-160-29	FS47	111	108
890-160-30	FS48	102	101
890-160-31	FS49	101	97
890-160-32	FS50	111	107
890-160-33	FS51	108	105
890-160-34	FS52	113	109
890-160-35	FS53	106	104
890-160-36	FS54	105	100
890-160-37	FS55	105	101
890-160-38	FS56	106	103
890-160-39	FS57	106	104
890-160-40	FS58	101	95
890-160-41	FS59	104	102
890-160-41 MS	FS59	101	92
890-160-41 MSD	FS59	109	99
890-160-42	FS60	111	110

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-160-1

Project/Site: Stovepipe Release

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-135)	OTPH1 (70-135)
890-160-43	FS61	106	105
890-160-44	FS62	105	104
890-160-45	FS63	112	110
890-160-46	FS64	110	109
890-160-47	FS65	101	99
890-160-48	FS66	109	105
890-160-49	FS67	108	105
890-160-50	FS68	109	106
890-160-51	FS69	101	100
890-160-52	FS70	107	106
890-160-53	FS71	115	113
890-160-54	FS72	102	100
890-160-55	FS73	105	102
890-160-56	FS74	110	107
890-160-57	FS75	107	106
890-160-58	FS76	114	113
890-160-59	FS77	110	107
890-160-60	FS78	105	102
890-160-61	FS79	99	96
890-160-61 MS	FS79	110	99
890-160-61 MSD	FS79	107	97
890-160-62	FS80	103	97
890-160-63	FS81	103	98
890-160-64	FS82	96	92
890-160-65	FS83	104	101
890-160-66	FS84	109	105
890-160-67	FS85	93	89
890-160-68	FS86	97	93
890-160-69	FS87	114	109
890-160-70	FS88	102	98
890-160-71	FS89	107	102
890-160-72	FS90	101	97
890-160-73	FS91	101	97
890-160-74	FS92	105	101
890-160-75	FS93	104	100
890-160-76	FS94	94	90
890-160-77	FS95	101	98
890-160-78	FS96	111	107
890-160-79	FS97	109	105
890-160-80	FS98	107	104
890-160-81	FS99	102	100
890-160-81 MS	FS99	110	102
890-160-81 MSD	FS99	110	100
890-160-82	FS100	101	99
890-160-83	FS101	105	105
890-160-84	FS102	103	101
890-160-85	FS103	114	112
890-160-86	FS104	107	104
890-160-87	FS105	106	104
890-160-88	FS106	105	102

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-160-1

Project/Site: Stovepipe Release

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 (70-135)	OTPH1 (70-135)
890-160-89	FS107	102	99
890-160-90	FS108	103	100
890-160-91	FS109	110	107
890-160-92	FS110	104	102
890-160-93	FS111	101	99
890-160-94	FS112	102	99
890-160-95	FS113	107	103
890-160-96	FS114	108	99
890-160-97	FS115	97	92
890-160-98	FS116	108	106
890-160-99	FS117	99	95
890-160-100	FS118	109	105
890-160-101	FS119	112	106
890-160-102	FS120	114	108
890-165-A-1-H MS	Matrix Spike	125	114
890-165-A-1-I MSD	Matrix Spike Duplicate	128	116
890-201-A-1-D MS	Matrix Spike	103	94
890-201-A-1-E MSD	Matrix Spike Duplicate	111	102
890-209-A-48-D MS	Matrix Spike	96	87
890-209-A-48-E MSD	Matrix Spike Duplicate	95	86
LCS 890-223/2-A	Lab Control Sample	107	97
LCS 890-237/2-A	Lab Control Sample	109	99
LCS 890-238/2-A	Lab Control Sample	111	101
LCS 890-244/2-A	Lab Control Sample	108	97
LCS 890-245/2-A	Lab Control Sample	112	100
LCS 890-246/2-A	Lab Control Sample	128	115
LCS 890-247/2-B	Lab Control Sample	115	104
LCS 890-259/2-A	Lab Control Sample	118	107
LCS 890-280/2-A	Lab Control Sample	100	89
LCSD 890-223/3-A	Lab Control Sample Dup	104	92
LCSD 890-237/3-A	Lab Control Sample Dup	107	96
LCSD 890-238/3-A	Lab Control Sample Dup	112	102
LCSD 890-244/3-A	Lab Control Sample Dup	109	98
LCSD 890-245/3-A	Lab Control Sample Dup	112	101
LCSD 890-246/3-A	Lab Control Sample Dup	124	112
LCSD 890-247/3-B	Lab Control Sample Dup	115	103
LCSD 890-259/3-A	Lab Control Sample Dup	113	100
LCSD 890-280/3-A	Lab Control Sample Dup	116	105
MB 890-223/1-A	Method Blank	92	88
MB 890-237/1-A	Method Blank	98	94
MB 890-238/1-A	Method Blank	89	87
MB 890-244/1-A	Method Blank	90	86
MB 890-245/1-A	Method Blank	93	88
MB 890-246/1-A	Method Blank	107	105
MB 890-247/1-B	Method Blank	94	91
MB 890-259/1-A	Method Blank	105	103
MB 890-280/1-A	Method Blank	82	79

Surrogate Legend

1CO = 1-Chlorooctane

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release
OTPH = o-Terphenyl

Job ID: 890-160-1

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Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-194/1-B

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/08/21 16:22	02/08/21 20:05	1
4-Bromofluorobenzene (Surr)	107		70 - 130	02/08/21 16:22	02/08/21 20:05	1

Lab Sample ID: LCS 890-194/2-B

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1182		mg/Kg		118	71 - 129
Toluene	0.100	0.1177		mg/Kg		118	70 - 130
m,p-Xylenes	0.200	0.2399		mg/Kg		120	70 - 135
o-Xylene	0.100	0.1170		mg/Kg		117	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	94		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 890-194/3-B

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 194

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	11	35
Ethylbenzene	0.100	0.1035		mg/Kg		104	71 - 129	13	35
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	14	35
m,p-Xylenes	0.200	0.2059		mg/Kg		103	70 - 135	15	35
o-Xylene	0.100	0.1045		mg/Kg		105	71 - 133	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-158-A-1-L MS

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0998	0.1036		mg/Kg		104	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-158-A-1-L MS

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U	0.0998	0.1007		mg/Kg		101	71 - 129
Toluene	<0.00198	U	0.0998	0.1018		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.1982		mg/Kg		99	70 - 135
o-Xylene	<0.00198	U	0.0998	0.09725		mg/Kg		97	71 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,4-Difluorobenzene	97		70 - 130						
4-Bromofluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: 890-158-A-1-M MSD

Matrix: Solid

Analysis Batch: 210

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.1081		mg/Kg		108	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.0998	0.09539		mg/Kg		96	71 - 129	5	35
Toluene	<0.00198	U	0.0998	0.1031		mg/Kg		103	70 - 130	1	35
m,p-Xylenes	<0.00396	U	0.200	0.1934		mg/Kg		97	70 - 135	2	35
o-Xylene	<0.00198	U	0.0998	0.09881		mg/Kg		99	71 - 133	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	94		70 - 130								
4-Bromofluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 890-198/1-A

Matrix: Solid

Analysis Batch: 189

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:25	02/08/21 22:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/08/21 17:25	02/08/21 22:43	1
4-Bromofluorobenzene (Surr)	85		70 - 130				02/08/21 17:25	02/08/21 22:43	1

Lab Sample ID: LCS 890-198/2-A

Matrix: Solid

Analysis Batch: 189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1079		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	71 - 129

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCS 890-198/2-A

Matrix: Solid

Analysis Batch: 189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.1052		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.1999		mg/Kg		100	70 - 135
o-Xylene	0.100	0.1014		mg/Kg		101	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	102		70 - 130
4-Bromofluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 890-198/3-A

Matrix: Solid

Analysis Batch: 189

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	3	35
Ethylbenzene	0.100	0.09835		mg/Kg		98	71 - 129	5	35
Toluene	0.100	0.1012		mg/Kg		101	70 - 130	4	35
m,p-Xylenes	0.200	0.1907		mg/Kg		95	70 - 135	5	35
o-Xylene	0.100	0.09805		mg/Kg		98	71 - 133	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	102		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-160-18 MS

Matrix: Solid

Analysis Batch: 189

Client Sample ID: FS36

Prep Type: Total/NA

Prep Batch: 198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.0994	0.07389		mg/Kg		74	70 - 130
Ethylbenzene	<0.00198	U F1	0.0994	0.07253		mg/Kg		73	71 - 129
Toluene	<0.00198	U F1	0.0994	0.07613		mg/Kg		75	70 - 130
m,p-Xylenes	0.00526	F1	0.199	0.1510		mg/Kg		73	70 - 135
o-Xylene	<0.00198	U F1	0.0994	0.07427		mg/Kg		73	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	98		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-160-18 MSD

Matrix: Solid

Analysis Batch: 189

Client Sample ID: FS36

Prep Type: Total/NA

Prep Batch: 198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U F1	0.0998	0.06924	F1	mg/Kg		69	70 - 130	7	35
Ethylbenzene	<0.00198	U F1	0.0998	0.06459	F1	mg/Kg		65	71 - 129	12	35
Toluene	<0.00198	U F1	0.0998	0.06930	F1	mg/Kg		68	70 - 130	9	35
m,p-Xylenes	0.00526	F1	0.200	0.1322	F1	mg/Kg		64	70 - 135	13	35
o-Xylene	<0.00198	U F1	0.0998	0.06484	F1	mg/Kg		63	71 - 133	14	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	100		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 890-200/1-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:32	02/10/21 09:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:32	02/10/21 09:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130	02/08/21 17:32	02/10/21 09:51	1
4-Bromofluorobenzene (Surr)	99		70 - 130	02/08/21 17:32	02/10/21 09:51	1

Lab Sample ID: LCS 890-200/2-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09867		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09830		mg/Kg		98	71 - 129
Toluene	0.100	0.1000		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.2018		mg/Kg		101	70 - 135
o-Xylene	0.100	0.09860		mg/Kg		99	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 890-200/3-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 200

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09698		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.1014		mg/Kg		101	71 - 129	3	35
Toluene	0.100	0.09864		mg/Kg		99	70 - 130	1	35
m,p-Xylenes	0.200	0.2019		mg/Kg		101	70 - 135	0	35
o-Xylene	0.100	0.1015		mg/Kg		102	71 - 133	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	94		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-160-38 MS

Matrix: Solid

Analysis Batch: 229

Client Sample ID: FS56

Prep Type: Total/NA

Prep Batch: 200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.0992	0.1014		mg/Kg		102	70 - 130
Ethylbenzene	<0.00202	U	0.0992	0.1015		mg/Kg		102	71 - 129
Toluene	<0.00202	U	0.0992	0.1019		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00403	U	0.198	0.2019		mg/Kg		102	70 - 135
o-Xylene	<0.00202	U	0.0992	0.09816		mg/Kg		99	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-160-38 MSD

Matrix: Solid

Analysis Batch: 229

Client Sample ID: FS56

Prep Type: Total/NA

Prep Batch: 200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1093		mg/Kg		110	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0990	0.1099		mg/Kg		111	71 - 129	8	35
Toluene	<0.00202	U	0.0990	0.1076		mg/Kg		109	70 - 130	5	35
m,p-Xylenes	<0.00403	U	0.198	0.2225		mg/Kg		112	70 - 135	10	35
o-Xylene	<0.00202	U	0.0990	0.1103		mg/Kg		111	71 - 133	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	94		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 890-205/1-A

Matrix: Solid

Analysis Batch: 219

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 17:58	02/09/21 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 17:58	02/09/21 21:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/08/21 17:58	02/09/21 21:42	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/08/21 17:58	02/09/21 21:42	1

Lab Sample ID: LCS 890-205/2-A

Matrix: Solid

Analysis Batch: 219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09552		mg/Kg		96	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCS 890-205/2-A

Matrix: Solid

Analysis Batch: 219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.09365		mg/Kg		94	71 - 129
Toluene	0.100	0.09176		mg/Kg		92	70 - 130
m,p-Xylenes	0.200	0.1845		mg/Kg		92	70 - 135
o-Xylene	0.100	0.09540		mg/Kg		95	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	98		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 890-205/3-A

Matrix: Solid

Analysis Batch: 219

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09185		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09041		mg/Kg		90	71 - 129	4	35
Toluene	0.100	0.09144		mg/Kg		91	70 - 130	0	35
m,p-Xylenes	0.200	0.1786		mg/Kg		89	70 - 135	3	35
o-Xylene	0.100	0.09221		mg/Kg		92	71 - 133	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-160-78 MS

Matrix: Solid

Analysis Batch: 219

Client Sample ID: FS96

Prep Type: Total/NA

Prep Batch: 205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U	0.0990	0.1019		mg/Kg		103	70 - 130
Ethylbenzene	<0.00201	U	0.0990	0.09408		mg/Kg		95	71 - 129
Toluene	<0.00201	U	0.0990	0.1043		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00402	U	0.198	0.1911		mg/Kg		97	70 - 135
o-Xylene	<0.00201	U	0.0990	0.09766		mg/Kg		99	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-160-78 MSD

Matrix: Solid

Analysis Batch: 219

Client Sample ID: FS96

Prep Type: Total/NA

Prep Batch: 205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.09736		mg/Kg		98	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0996	0.09324		mg/Kg		94	71 - 129	1	35
Toluene	<0.00201	U	0.0996	0.1005		mg/Kg		101	70 - 130	4	35
m,p-Xylenes	<0.00402	U	0.199	0.1840		mg/Kg		92	70 - 135	4	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-160-78 MSD

Matrix: Solid

Analysis Batch: 219

Client Sample ID: FS96

Prep Type: Total/NA

Prep Batch: 205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	<0.00201	U	0.0996	0.09027		mg/Kg		91	71 - 133	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	102		70 - 130								
4-Bromofluorobenzene (Surr)	102		70 - 130								

Lab Sample ID: MB 890-206/1-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 18:00	02/09/21 21:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/08/21 18:00	02/09/21 21:15	1
4-Bromofluorobenzene (Surr)	87		70 - 130				02/08/21 18:00	02/09/21 21:15	1

Lab Sample ID: LCS 890-206/2-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Benzene			0.100	0.09607		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.08740		mg/Kg		87	71 - 129		
Toluene			0.100	0.09405		mg/Kg		94	70 - 130		
m,p-Xylenes			0.200	0.1698		mg/Kg		85	70 - 135		
o-Xylene			0.100	0.08910		mg/Kg		89	71 - 133		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1,4-Difluorobenzene	102		70 - 130								
4-Bromofluorobenzene (Surr)	85		70 - 130								

Lab Sample ID: LCSD 890-206/3-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1020		mg/Kg		102	70 - 130	6	35
Ethylbenzene	0.100	0.09578		mg/Kg		96	71 - 129	9	35
Toluene	0.100	0.09966		mg/Kg		100	70 - 130	6	35
m,p-Xylenes	0.200	0.1861		mg/Kg		93	70 - 135	9	35
o-Xylene	0.100	0.09513		mg/Kg		95	71 - 133	7	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	101		70 - 130
4-Bromofluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-160-98 MS

Matrix: Solid

Analysis Batch: 220

Client Sample ID: FS116

Prep Type: Total/NA

Prep Batch: 206

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.1247		mg/Kg		124	70 - 130
Ethylbenzene	0.00690		0.101	0.1229		mg/Kg		115	71 - 129
Toluene	0.00390		0.101	0.1182		mg/Kg		113	70 - 130
m,p-Xylenes	0.0260		0.202	0.2215		mg/Kg		97	70 - 135
o-Xylene	0.0115		0.101	0.1111		mg/Kg		99	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-160-98 MSD

Matrix: Solid

Analysis Batch: 220

Client Sample ID: FS116

Prep Type: Total/NA

Prep Batch: 206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1147		mg/Kg		114	70 - 130	8	35
Ethylbenzene	0.00690		0.101	0.1220		mg/Kg		114	71 - 129	1	35
Toluene	0.00390		0.101	0.1154		mg/Kg		111	70 - 130	2	35
m,p-Xylenes	0.0260		0.201	0.2203		mg/Kg		97	70 - 135	1	35
o-Xylene	0.0115		0.101	0.1094		mg/Kg		97	71 - 133	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	100		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 890-217/1-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 19:00	02/09/21 10:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 19:00	02/09/21 10:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130	02/08/21 19:00	02/09/21 10:07	1
4-Bromofluorobenzene (Surr)	89		70 - 130	02/08/21 19:00	02/09/21 10:07	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCS 890-217/2-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1001		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09927		mg/Kg		99	71 - 129
Toluene	0.100	0.1008		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.1945		mg/Kg		97	70 - 135
o-Xylene	0.100	0.09742		mg/Kg		97	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 890-217/3-A

Matrix: Solid

Analysis Batch: 220

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 217

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1081		mg/Kg		108	70 - 130	8	35
Ethylbenzene	0.100	0.1055		mg/Kg		105	71 - 129	6	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	7	35
m,p-Xylenes	0.200	0.2074		mg/Kg		104	70 - 135	6	35
o-Xylene	0.100	0.1038		mg/Kg		104	71 - 133	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	101		70 - 130
4-Bromofluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-160-58 MS

Matrix: Solid

Analysis Batch: 220

Client Sample ID: FS76

Prep Type: Total/NA

Prep Batch: 217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.1249		mg/Kg		124	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1210		mg/Kg		120	71 - 129
Toluene	<0.00199	U	0.101	0.1238		mg/Kg		123	70 - 130
m,p-Xylenes	<0.00398	U	0.202	0.2355		mg/Kg		117	70 - 135
o-Xylene	<0.00199	U	0.101	0.1189		mg/Kg		118	71 - 133

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

Lab Sample ID: 890-160-58 MSD

Matrix: Solid

Analysis Batch: 220

Client Sample ID: FS76

Prep Type: Total/NA

Prep Batch: 217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.09851		mg/Kg		99	70 - 130	24	35
Ethylbenzene	<0.00199	U	0.0998	0.09718		mg/Kg		97	71 - 129	22	35
Toluene	<0.00199	U	0.0998	0.09909		mg/Kg		99	70 - 130	22	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-160-58 MSD

Matrix: Solid

Analysis Batch: 220

Client Sample ID: FS76

Prep Type: Total/NA

Prep Batch: 217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	<0.00398	U	0.200	0.1904		mg/Kg		95	70 - 135	21	35
o-Xylene	<0.00199	U	0.0998	0.09677		mg/Kg		97	71 - 133	21	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	97		70 - 130								
4-Bromofluorobenzene (Surr)	89		70 - 130								

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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

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
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	RPD	RPD Limit
Benzene	<0.0182	U	0.893	0.8621		mg/Kg		96	70 - 130		
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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

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
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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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
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
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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	99		70 - 130								
4-Bromofluorobenzene (Surr)	92		70 - 130								

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

Lab Sample ID: MB 890-223/1-A

Matrix: Solid

Analysis Batch: 224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 06:29	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 06:29	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 06:29	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/09/21 18:09	02/10/21 06:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 135				02/09/21 18:09	02/10/21 06:29	1
o-Terphenyl	88		70 - 135				02/09/21 18:09	02/10/21 06:29	1

Lab Sample ID: LCS 890-223/2-A

Matrix: Solid

Analysis Batch: 224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C10	1000	1001		mg/Kg		100	70 - 135		
>C10-C28	1000	1002		mg/Kg		100	70 - 135		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	107		70 - 135						
o-Terphenyl	97		70 - 135						

Lab Sample ID: LCSD 890-223/3-A

Matrix: Solid

Analysis Batch: 224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1007		mg/Kg		101	70 - 135	1	25
>C10-C28	1000	1002		mg/Kg		100	70 - 135	0	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 135						
o-Terphenyl	92		70 - 135						

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-157-A-41-H MS

Matrix: Solid

Analysis Batch: 224

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<49.8	U	1000	1022		mg/Kg		102	70 - 135
Total TPH	<49.8	U	2000	2045		mg/Kg		0	
>C10-C28	<49.8	U	1000	1023		mg/Kg		102	70 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	112		70 - 135						
o-Terphenyl	100		70 - 135						

Lab Sample ID: 890-157-A-41-I MSD

Matrix: Solid

Analysis Batch: 224

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<49.8	U	996	1062		mg/Kg		107	70 - 135	4	35
Total TPH	<49.8	U	1990	2131		mg/Kg		0		NC	
>C10-C28	<49.8	U	996	1069		mg/Kg		107	70 - 135	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	121		70 - 135								
o-Terphenyl	107		70 - 135								

Lab Sample ID: MB 890-237/1-A

Matrix: Solid

Analysis Batch: 233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 11:14	02/11/21 03:35	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 11:14	02/11/21 03:35	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 11:14	02/11/21 03:35	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 11:14	02/11/21 03:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 135				02/10/21 11:14	02/11/21 03:35	1
o-Terphenyl	94		70 - 135				02/10/21 11:14	02/11/21 03:35	1

Lab Sample ID: LCS 890-237/2-A

Matrix: Solid

Analysis Batch: 233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1111		mg/Kg		111	70 - 135
>C10-C28	1000	956.4		mg/Kg		96	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	109		70 - 135				
o-Terphenyl	99		70 - 135				

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCSD 890-237/3-A

Matrix: Solid

Analysis Batch: 233

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1140		mg/Kg		114	70 - 135	3	25
>C10-C28	1000	975.0		mg/Kg		97	70 - 135	2	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 135						
o-Terphenyl	96		70 - 135						

Lab Sample ID: 890-165-A-1-H MS

Matrix: Solid

Analysis Batch: 233

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.2	U	1000	1174		mg/Kg		117	70 - 135		
Total TPH	<50.2	U	2000	2176		mg/Kg		109			
>C10-C28	<50.2	U	1000	1002		mg/Kg		100	70 - 135		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	125		70 - 135								
o-Terphenyl	114		70 - 135								

Lab Sample ID: 890-165-A-1-I MSD

Matrix: Solid

Analysis Batch: 233

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.2	U	1000	1178		mg/Kg		118	70 - 135	0	35
Total TPH	<50.2	U	2000	2184		mg/Kg		109		0	
>C10-C28	<50.2	U	1000	1006		mg/Kg		101	70 - 135	0	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	128		70 - 135								
o-Terphenyl	116		70 - 135								

Lab Sample ID: MB 890-238/1-A

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 16:49	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 16:49	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 16:49	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 11:22	02/11/21 16:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	89		70 - 135	02/10/21 11:22	02/11/21 16:49	1			
o-Terphenyl	87		70 - 135	02/10/21 11:22	02/11/21 16:49	1			

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCS 890-238/2-A

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238

			Spike	LCS	LCS						
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C10			1000	1001		mg/Kg		100	70 - 135		
>C10-C28			1000	1006		mg/Kg		101	70 - 135		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 135								
o-Terphenyl	101		70 - 135								

Lab Sample ID: LCSD 890-238/3-A

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 238

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
C6-C10			1000	1015		mg/Kg		101	70 - 135	1	25
>C10-C28			1000	1000		mg/Kg		100	70 - 135	1	25
Surrogate	LCSD		LCSD								
	%Recovery	Qualifier	Limits								
	1-Chlorooctane	112	70 - 135								
	o-Terphenyl	102	70 - 135								

Lab Sample ID: 890-160-1 MS

Matrix: Solid

Analysis Batch: 248

Client Sample ID: FS19

Prep Type: Total/NA

Prep Batch: 238

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
C6-C10	<50.2	U	1010	969.9		mg/Kg		97	70 - 135		
Total TPH	<50.2	U	2010	1945		mg/Kg		97			
>C10-C28	<50.2	U	1010	975.1		mg/Kg		97	70 - 135		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 135								
o-Terphenyl	101		70 - 135								

Lab Sample ID: 890-160-1 MSD

Matrix: Solid

Analysis Batch: 248

Client Sample ID: FS19

Prep Type: Total/NA

Prep Batch: 238

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C6-C10	<50.2	U	1000	966.5		mg/Kg		97	70 - 135	0	35
Total TPH	<50.2	U	2000	1944		mg/Kg		97		0	
>C10-C28	<50.2	U	1000	977.6		mg/Kg		98	70 - 135	0	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 135								
o-Terphenyl	102		70 - 135								

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: MB 890-244/1-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 16:49	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 16:49	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 16:49	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 18:00	02/11/21 16:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 135	02/10/21 18:00	02/11/21 16:49	1
o-Terphenyl	86		70 - 135	02/10/21 18:00	02/11/21 16:49	1

Lab Sample ID: LCS 890-244/2-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1081		mg/Kg		108	70 - 135
>C10-C28	1000	922.1		mg/Kg		92	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 135
o-Terphenyl	97		70 - 135

Lab Sample ID: LCSD 890-244/3-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1085		mg/Kg		108	70 - 135	0	25
>C10-C28	1000	916.8		mg/Kg		92	70 - 135	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 135
o-Terphenyl	98		70 - 135

Lab Sample ID: 890-160-21 MS

Matrix: Solid

Analysis Batch: 249

Client Sample ID: FS39

Prep Type: Total/NA

Prep Batch: 244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<50.2	U	1000	1012		mg/Kg		101	70 - 135
Total TPH	<50.2	U	2010	1884		mg/Kg		94	
>C10-C28	<50.2	U	1000	871.5		mg/Kg		87	70 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	106		70 - 135
o-Terphenyl	96		70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-160-21 MSD

Matrix: Solid

Analysis Batch: 249

Client Sample ID: FS39

Prep Type: Total/NA

Prep Batch: 244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.2	U	999	1054		mg/Kg		106	70 - 135	4	35
Total TPH	<50.2	U	2000	1947		mg/Kg		97		3	
>C10-C28	<50.2	U	999	892.8		mg/Kg		89	70 - 135	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 135
o-Terphenyl	98		70 - 135

Lab Sample ID: MB 890-245/1-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 02:18	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 02:18	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 02:18	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:21	02/12/21 02:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 135	02/10/21 20:21	02/12/21 02:18	1
o-Terphenyl	88		70 - 135	02/10/21 20:21	02/12/21 02:18	1

Lab Sample ID: LCS 890-245/2-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1108		mg/Kg		111	70 - 135
>C10-C28	1000	964.8		mg/Kg		96	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 135
o-Terphenyl	100		70 - 135

Lab Sample ID: LCSD 890-245/3-A

Matrix: Solid

Analysis Batch: 249

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1108		mg/Kg		111	70 - 135	0	25
>C10-C28	1000	949.9		mg/Kg		95	70 - 135	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 135
o-Terphenyl	101		70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-160-61 MS

Matrix: Solid

Analysis Batch: 249

Client Sample ID: FS79

Prep Type: Total/NA

Prep Batch: 245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<50.0	U	999	1092		mg/Kg		109	70 - 135
Total TPH	<50.0	U	2000	2030		mg/Kg		102	
>C10-C28	<50.0	U	999	938.2		mg/Kg		94	70 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	110		70 - 135						
o-Terphenyl	99		70 - 135						

Lab Sample ID: 890-160-61 MSD

Matrix: Solid

Analysis Batch: 249

Client Sample ID: FS79

Prep Type: Total/NA

Prep Batch: 245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.0	U	1000	1087		mg/Kg		108	70 - 135	1	35
Total TPH	<50.0	U	2000	2009		mg/Kg		100		1	
>C10-C28	<50.0	U	1000	922.3		mg/Kg		92	70 - 135	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 135								
o-Terphenyl	97		70 - 135								

Lab Sample ID: MB 890-246/1-A

Matrix: Solid

Analysis Batch: 262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 17:29	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 17:29	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 17:29	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:29	02/12/21 17:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135				02/10/21 20:29	02/12/21 17:29	1
o-Terphenyl	105		70 - 135				02/10/21 20:29	02/12/21 17:29	1

Lab Sample ID: LCS 890-246/2-A

Matrix: Solid

Analysis Batch: 262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1109		mg/Kg		111	70 - 135
>C10-C28	1000	1155		mg/Kg		116	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	128		70 - 135				
o-Terphenyl	115		70 - 135				

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCSD 890-246/3-A

Matrix: Solid

Analysis Batch: 262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1111		mg/Kg		111	70 - 135	0	25
>C10-C28	1000	1103		mg/Kg		110	70 - 135	5	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	124		70 - 135						
o-Terphenyl	112		70 - 135						

Lab Sample ID: 890-160-81 MS

Matrix: Solid

Analysis Batch: 262

Client Sample ID: FS99

Prep Type: Total/NA

Prep Batch: 246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.2	U	998	914.3		mg/Kg		92	70 - 135		
Total TPH	<50.2	U	2000	1841		mg/Kg		92			
>C10-C28	<50.2	U	998	926.5		mg/Kg		93	70 - 135		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	110		70 - 135								
o-Terphenyl	102		70 - 135								

Lab Sample ID: 890-160-81 MSD

Matrix: Solid

Analysis Batch: 262

Client Sample ID: FS99

Prep Type: Total/NA

Prep Batch: 246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.2	U	999	900.4		mg/Kg		90	70 - 135	2	35
Total TPH	<50.2	U	2000	1793		mg/Kg		90		3	
>C10-C28	<50.2	U	999	892.8		mg/Kg		89	70 - 135	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 135								
o-Terphenyl	100		70 - 135								

Lab Sample ID: MB 890-247/1-B

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 02:18	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 02:18	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 02:18	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/10/21 20:42	02/12/21 02:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	94		70 - 135	02/10/21 20:42	02/12/21 02:18	1			
o-Terphenyl	91		70 - 135	02/10/21 20:42	02/12/21 02:18	1			

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: LCS 890-247/2-B

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1043		mg/Kg		104	70 - 135
>C10-C28	1000	1037		mg/Kg		104	70 - 135
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		115		70 - 135			
o-Terphenyl		104		70 - 135			

Lab Sample ID: LCSD 890-247/3-B

Matrix: Solid

Analysis Batch: 248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1035		mg/Kg		104	70 - 135	1	25
>C10-C28	1000	1032		mg/Kg		103	70 - 135	1	25
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		115		70 - 135					
o-Terphenyl		103		70 - 135					

Lab Sample ID: 890-160-41 MS

Matrix: Solid

Analysis Batch: 248

Client Sample ID: FS59

Prep Type: Total/NA

Prep Batch: 247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<50.0	U	1000	892.3		mg/Kg		89	70 - 135
Total TPH	<50.0	U	2000	1784		mg/Kg		89	
>C10-C28	<50.0	U	1000	891.9		mg/Kg		89	70 - 135
Surrogate		MS %Recovery	MS Qualifier	Limits					
1-Chlorooctane		101		70 - 135					
o-Terphenyl		92		70 - 135					

Lab Sample ID: 890-160-41 MSD

Matrix: Solid

Analysis Batch: 248

Client Sample ID: FS59

Prep Type: Total/NA

Prep Batch: 247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.0	U	1010	987.9		mg/Kg		98	70 - 135	10	35
Total TPH	<50.0	U	2010	1972		mg/Kg		98		10	
>C10-C28	<50.0	U	1010	984.3		mg/Kg		98	70 - 135	10	35
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		109		70 - 135							
o-Terphenyl		99		70 - 135							

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: MB 890-259/1-A

Matrix: Solid

Analysis Batch: 263

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/12/21 09:30	02/12/21 17:29	1
Total TPH	<50.0	U	50.0		mg/Kg		02/12/21 09:30	02/12/21 17:29	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/12/21 09:30	02/12/21 17:29	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/12/21 09:30	02/12/21 17:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135	02/12/21 09:30	02/12/21 17:29	1
o-Terphenyl	103		70 - 135	02/12/21 09:30	02/12/21 17:29	1

Lab Sample ID: LCS 890-259/2-A

Matrix: Solid

Analysis Batch: 263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1153		mg/Kg		115	70 - 135
>C10-C28	1000	1005		mg/Kg		101	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	118		70 - 135
o-Terphenyl	107		70 - 135

Lab Sample ID: LCSD 890-259/3-A

Matrix: Solid

Analysis Batch: 263

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1122		mg/Kg		112	70 - 135	3	25
>C10-C28	1000	952.8		mg/Kg		95	70 - 135	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 135
o-Terphenyl	100		70 - 135

Lab Sample ID: 890-201-A-1-D MS

Matrix: Solid

Analysis Batch: 263

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<50.1	U	999	988.2		mg/Kg		99	70 - 135
Total TPH	<50.1	U	2000	1791		mg/Kg		90	
>C10-C28	<50.1	U	999	802.9		mg/Kg		80	70 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 135
o-Terphenyl	94		70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-201-A-1-E MSD

Matrix: Solid

Analysis Batch: 263

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.1	U	1000	1025		mg/Kg		102	70 - 135	4	35
Total TPH	<50.1	U	2010	1896		mg/Kg		94		6	
>C10-C28	<50.1	U	1000	871.3		mg/Kg		87	70 - 135	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	111		70 - 135
o-Terphenyl	102		70 - 135

Lab Sample ID: MB 890-280/1-A

Matrix: Solid

Analysis Batch: 282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 11:32	1
Total TPH	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 11:32	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 11:32	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/17/21 08:02	02/17/21 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 135	02/17/21 08:02	02/17/21 11:32	1
o-Terphenyl	79		70 - 135	02/17/21 08:02	02/17/21 11:32	1

Lab Sample ID: LCS 890-280/2-A

Matrix: Solid

Analysis Batch: 282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1036		mg/Kg		104	70 - 135
Total TPH	2000	1877		mg/Kg		94	
>C10-C28	1000	841.4		mg/Kg		84	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenyl	89		70 - 135

Lab Sample ID: LCSD 890-280/3-A

Matrix: Solid

Analysis Batch: 282

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 280

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	1000	1184		mg/Kg		118	70 - 135	13	25
Total TPH	2000	2158		mg/Kg		108		14	
>C10-C28	1000	973.6		mg/Kg		97	70 - 135	15	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 135
o-Terphenyl	105		70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

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

Lab Sample ID: 890-209-A-48-D MS

Matrix: Solid

Analysis Batch: 282

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<49.9	U	999	913.6		mg/Kg		91	70 - 135
Total TPH	<49.9	U	2000	1716		mg/Kg		86	
>C10-C28	<49.9	U	999	802.3		mg/Kg		79	70 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	96		70 - 135						
o-Terphenyl	87		70 - 135						

Lab Sample ID: 890-209-A-48-E MSD

Matrix: Solid

Analysis Batch: 282

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<49.9	U	1010	980.9		mg/Kg		98	70 - 135	7	35
Total TPH	<49.9	U	2010	1821		mg/Kg		91		6	
>C10-C28	<49.9	U	1010	839.9		mg/Kg		82	70 - 135	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 135								
o-Terphenyl	86		70 - 135								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-197/1-A

Matrix: Solid

Analysis Batch: 218

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			02/09/21 10:23	1

Lab Sample ID: MB 890-199/1-A

Matrix: Solid

Analysis Batch: 218

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			02/09/21 13:37	1

Lab Sample ID: MB 890-201/1-A

Matrix: Solid

Analysis Batch: 218

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			02/09/21 16:45	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 890-202/1-A

Matrix: Solid

Analysis Batch: 218

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			02/09/21 19:52	1

Lab Sample ID: MB 890-204/1-A

Matrix: Solid

Analysis Batch: 218

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			02/09/21 23:00	1

Lab Sample ID: MB 890-207/1-A

Matrix: Solid

Analysis Batch: 218

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			02/10/21 02:07	1

Lab Sample ID: LCS 890-197/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	525.6		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-199/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	526.6		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-201/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	526.7		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-202/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	527.2		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-204/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	526.7		mg/Kg		105	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 890-207/2-A

Matrix: Solid

Analysis Batch: 218

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	526.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 890-197/3-A

Matrix: Solid

Analysis Batch: 218

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	523.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: LCSD 890-199/3-A

Matrix: Solid

Analysis Batch: 218

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	523.3		mg/Kg		105	90 - 110	1	20

Lab Sample ID: LCSD 890-201/3-A

Matrix: Solid

Analysis Batch: 218

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	524.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: LCSD 890-202/3-A

Matrix: Solid

Analysis Batch: 218

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	524.0		mg/Kg		105	90 - 110	1	20

Lab Sample ID: LCSD 890-204/3-A

Matrix: Solid

Analysis Batch: 218

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	523.8		mg/Kg		105	90 - 110	1	20

Lab Sample ID: LCSD 890-207/3-A

Matrix: Solid

Analysis Batch: 218

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	523.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-160-8 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	720	F1	501	715.7	F1	mg/Kg		-0.9	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-160-8 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	720	F1	497	716.0	F1	mg/Kg		-0.9	90 - 110	0	20

Lab Sample ID: 890-160-18 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS36

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	312		498	834.9		mg/Kg		105	90 - 110		

Lab Sample ID: 890-160-18 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS36

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	312		503	844.3		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 890-160-28 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS46

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11400		504	11380	4	mg/Kg		2	90 - 110		

Lab Sample ID: 890-160-28 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS46

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11400		505	11440	4	mg/Kg		14	90 - 110	1	20

Lab Sample ID: 890-160-38 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS56

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3650		505	4061	4	mg/Kg		81	90 - 110		

Lab Sample ID: 890-160-38 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS56

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3650		505	4062	4	mg/Kg		81	90 - 110	0	20

Lab Sample ID: 890-160-48 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS66

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6170		501	6797	4	mg/Kg		125	90 - 110		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-160-48 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS66

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6170		504	6885	4	mg/Kg		141	90 - 110	1	20

Lab Sample ID: 890-160-58 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS76

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3270		504	4118	4	mg/Kg		168	90 - 110		

Lab Sample ID: 890-160-58 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS76

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3270		505	3685	4	mg/Kg		82	90 - 110	11	20

Lab Sample ID: 890-160-68 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS86

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18200		499	18110	4	mg/Kg		-17	90 - 110		

Lab Sample ID: 890-160-68 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS86

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18200		505	17900	4	mg/Kg		-58	90 - 110	1	20

Lab Sample ID: 890-160-78 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS96

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11800		502	14400	4	mg/Kg		510	90 - 110		

Lab Sample ID: 890-160-78 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS96

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11800		499	14300	4	mg/Kg		494	90 - 110	1	20

Lab Sample ID: 890-160-88 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS106

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12100		497	10630	4	mg/Kg		-299	90 - 110		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-160-88 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS106

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12100		503	10740	4	mg/Kg		-273	90 - 110	1	20

Lab Sample ID: 890-160-98 MS

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS116

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9900		505	9834	4	mg/Kg		-13	90 - 110		

Lab Sample ID: 890-160-98 MSD

Matrix: Solid

Analysis Batch: 218

Client Sample ID: FS116

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9900		500	9569	4	mg/Kg		-66	90 - 110	3	20

Lab Sample ID: MB 890-299/1-A

Matrix: Solid

Analysis Batch: 295

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			02/18/21 15:22	1

Lab Sample ID: LCS 890-299/2-A

Matrix: Solid

Analysis Batch: 295

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	500	520.0		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 890-299/3-A

Matrix: Solid

Analysis Batch: 295

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	520.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-160-39 MS

Matrix: Solid

Analysis Batch: 295

Client Sample ID: FS57

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	18800		503	18340	4	mg/Kg		-94	90 - 110		

Lab Sample ID: 890-160-39 MSD

Matrix: Solid

Analysis Batch: 295

Client Sample ID: FS57

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18800		504	18370	4	mg/Kg		-88	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA

Analysis Batch: 189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-18	FS36	Total/NA	Solid	8021B	198
890-160-19	FS37	Total/NA	Solid	8021B	198
890-160-20	FS38	Total/NA	Solid	8021B	198
890-160-21	FS39	Total/NA	Solid	8021B	198
890-160-22	FS40	Total/NA	Solid	8021B	198
890-160-23	FS41	Total/NA	Solid	8021B	198
890-160-24	FS42	Total/NA	Solid	8021B	198
890-160-25	FS43	Total/NA	Solid	8021B	198
890-160-26	FS44	Total/NA	Solid	8021B	198
890-160-27	FS45	Total/NA	Solid	8021B	198
890-160-28	FS46	Total/NA	Solid	8021B	198
890-160-29	FS47	Total/NA	Solid	8021B	198
890-160-30	FS48	Total/NA	Solid	8021B	198
890-160-31	FS49	Total/NA	Solid	8021B	198
890-160-32	FS50	Total/NA	Solid	8021B	198
890-160-33	FS51	Total/NA	Solid	8021B	198
890-160-34	FS52	Total/NA	Solid	8021B	198
890-160-35	FS53	Total/NA	Solid	8021B	198
890-160-36	FS54	Total/NA	Solid	8021B	198
890-160-37	FS55	Total/NA	Solid	8021B	198
MB 890-198/1-A	Method Blank	Total/NA	Solid	8021B	198
LCS 890-198/2-A	Lab Control Sample	Total/NA	Solid	8021B	198
LCSD 890-198/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	198
890-160-18 MS	FS36	Total/NA	Solid	8021B	198
890-160-18 MSD	FS36	Total/NA	Solid	8021B	198

Prep Batch: 194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Total/NA	Solid	5030C	
890-160-2	FS20	Total/NA	Solid	5030C	
890-160-3	FS21	Total/NA	Solid	5030C	
890-160-4	FS22	Total/NA	Solid	5030C	
890-160-5	FS23	Total/NA	Solid	5030C	
890-160-6	FS24	Total/NA	Solid	5030C	
890-160-7	FS25	Total/NA	Solid	5030C	
890-160-8	FS26	Total/NA	Solid	5030C	
890-160-9	FS27	Total/NA	Solid	5030C	
890-160-10	FS28	Total/NA	Solid	5030C	
890-160-11	FS29	Total/NA	Solid	5030C	
890-160-12	FS30	Total/NA	Solid	5030C	
890-160-13	FS31	Total/NA	Solid	5030C	
890-160-14	FS32	Total/NA	Solid	5030C	
890-160-15	FS33	Total/NA	Solid	5030C	
890-160-16	FS34	Total/NA	Solid	5030C	
890-160-17	FS35	Total/NA	Solid	5030C	
MB 890-194/1-B	Method Blank	Total/NA	Solid	5030C	
LCS 890-194/2-B	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-194/3-B	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-158-A-1-L MS	Matrix Spike	Total/NA	Solid	5030C	
890-158-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA

Prep Batch: 198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-18	FS36	Total/NA	Solid	5030C	
890-160-19	FS37	Total/NA	Solid	5030C	
890-160-20	FS38	Total/NA	Solid	5030C	
890-160-21	FS39	Total/NA	Solid	5030C	
890-160-22	FS40	Total/NA	Solid	5030C	
890-160-23	FS41	Total/NA	Solid	5030C	
890-160-24	FS42	Total/NA	Solid	5030C	
890-160-25	FS43	Total/NA	Solid	5030C	
890-160-26	FS44	Total/NA	Solid	5030C	
890-160-27	FS45	Total/NA	Solid	5030C	
890-160-28	FS46	Total/NA	Solid	5030C	
890-160-29	FS47	Total/NA	Solid	5030C	
890-160-30	FS48	Total/NA	Solid	5030C	
890-160-31	FS49	Total/NA	Solid	5030C	
890-160-32	FS50	Total/NA	Solid	5030C	
890-160-33	FS51	Total/NA	Solid	5030C	
890-160-34	FS52	Total/NA	Solid	5030C	
890-160-35	FS53	Total/NA	Solid	5030C	
890-160-36	FS54	Total/NA	Solid	5030C	
890-160-37	FS55	Total/NA	Solid	5030C	
MB 890-198/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-198/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-198/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-160-18 MS	FS36	Total/NA	Solid	5030C	
890-160-18 MSD	FS36	Total/NA	Solid	5030C	

Prep Batch: 200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-38	FS56	Total/NA	Solid	5030C	
890-160-39	FS57	Total/NA	Solid	5030C	
890-160-40	FS58	Total/NA	Solid	5030C	
890-160-41	FS59	Total/NA	Solid	5030C	
890-160-42	FS60	Total/NA	Solid	5030C	
890-160-43	FS61	Total/NA	Solid	5030C	
890-160-44	FS62	Total/NA	Solid	5030C	
890-160-45	FS63	Total/NA	Solid	5030C	
890-160-46	FS64	Total/NA	Solid	5030C	
890-160-47	FS65	Total/NA	Solid	5030C	
890-160-48	FS66	Total/NA	Solid	5030C	
890-160-49	FS67	Total/NA	Solid	5030C	
890-160-50	FS68	Total/NA	Solid	5030C	
890-160-51	FS69	Total/NA	Solid	5030C	
890-160-52	FS70	Total/NA	Solid	5030C	
890-160-53	FS71	Total/NA	Solid	5030C	
890-160-54	FS72	Total/NA	Solid	5030C	
890-160-55	FS73	Total/NA	Solid	5030C	
890-160-56	FS74	Total/NA	Solid	5030C	
890-160-57	FS75	Total/NA	Solid	5030C	
MB 890-200/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-200/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-200/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA (Continued)

Prep Batch: 200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-38 MS	FS56	Total/NA	Solid	5030C	
890-160-38 MSD	FS56	Total/NA	Solid	5030C	

Prep Batch: 205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-78	FS96	Total/NA	Solid	5030C	
890-160-79	FS97	Total/NA	Solid	5030C	
890-160-80	FS98	Total/NA	Solid	5030C	
890-160-81	FS99	Total/NA	Solid	5030C	
890-160-82	FS100	Total/NA	Solid	5030C	
890-160-83	FS101	Total/NA	Solid	5030C	
890-160-84	FS102	Total/NA	Solid	5030C	
890-160-85	FS103	Total/NA	Solid	5030C	
890-160-86	FS104	Total/NA	Solid	5030C	
890-160-87	FS105	Total/NA	Solid	5030C	
890-160-88	FS106	Total/NA	Solid	5030C	
890-160-89	FS107	Total/NA	Solid	5030C	
890-160-90	FS108	Total/NA	Solid	5030C	
890-160-91	FS109	Total/NA	Solid	5030C	
890-160-92	FS110	Total/NA	Solid	5030C	
890-160-93	FS111	Total/NA	Solid	5030C	
890-160-94	FS112	Total/NA	Solid	5030C	
890-160-95	FS113	Total/NA	Solid	5030C	
890-160-96	FS114	Total/NA	Solid	5030C	
890-160-97	FS115	Total/NA	Solid	5030C	
MB 890-205/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-205/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-205/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-160-78 MS	FS96	Total/NA	Solid	5030C	
890-160-78 MSD	FS96	Total/NA	Solid	5030C	

Prep Batch: 206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-98	FS116	Total/NA	Solid	5030C	
890-160-99	FS117	Total/NA	Solid	5030C	
890-160-100	FS118	Total/NA	Solid	5030C	
890-160-101	FS119	Total/NA	Solid	5030C	
890-160-102	FS120	Total/NA	Solid	5030C	
MB 890-206/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-206/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-206/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-160-98 MS	FS116	Total/NA	Solid	5030C	
890-160-98 MSD	FS116	Total/NA	Solid	5030C	

Analysis Batch: 210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Total/NA	Solid	8021B	194
890-160-2	FS20	Total/NA	Solid	8021B	194
890-160-3	FS21	Total/NA	Solid	8021B	194
890-160-5	FS23	Total/NA	Solid	8021B	194
890-160-6	FS24	Total/NA	Solid	8021B	194

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA (Continued)

Analysis Batch: 210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-7	FS25	Total/NA	Solid	8021B	194
890-160-8	FS26	Total/NA	Solid	8021B	194
890-160-9	FS27	Total/NA	Solid	8021B	194
890-160-10	FS28	Total/NA	Solid	8021B	194
890-160-11	FS29	Total/NA	Solid	8021B	194
890-160-12	FS30	Total/NA	Solid	8021B	194
MB 890-194/1-B	Method Blank	Total/NA	Solid	8021B	194
LCS 890-194/2-B	Lab Control Sample	Total/NA	Solid	8021B	194
LCSD 890-194/3-B	Lab Control Sample Dup	Total/NA	Solid	8021B	194
890-158-A-1-L MS	Matrix Spike	Total/NA	Solid	8021B	194
890-158-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	194

Prep Batch: 217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-58	FS76	Total/NA	Solid	5030C	
890-160-59	FS77	Total/NA	Solid	5030C	
890-160-60	FS78	Total/NA	Solid	5030C	
890-160-61	FS79	Total/NA	Solid	5030C	
890-160-62	FS80	Total/NA	Solid	5030C	
890-160-63	FS81	Total/NA	Solid	5030C	
890-160-64	FS82	Total/NA	Solid	5030C	
890-160-65	FS83	Total/NA	Solid	5030C	
890-160-66	FS84	Total/NA	Solid	5030C	
890-160-67	FS85	Total/NA	Solid	5030C	
890-160-68	FS86	Total/NA	Solid	5030C	
890-160-69	FS87	Total/NA	Solid	5030C	
890-160-70	FS88	Total/NA	Solid	5030C	
890-160-71	FS89	Total/NA	Solid	5030C	
890-160-72	FS90	Total/NA	Solid	5030C	
890-160-73	FS91	Total/NA	Solid	5030C	
890-160-74	FS92	Total/NA	Solid	5030C	
890-160-75	FS93	Total/NA	Solid	5030C	
890-160-76	FS94	Total/NA	Solid	5030C	
890-160-77	FS95	Total/NA	Solid	5030C	
MB 890-217/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-217/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-217/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-160-58 MS	FS76	Total/NA	Solid	5030C	
890-160-58 MSD	FS76	Total/NA	Solid	5030C	

Analysis Batch: 219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-78	FS96	Total/NA	Solid	8021B	205
890-160-79	FS97	Total/NA	Solid	8021B	205
890-160-80	FS98	Total/NA	Solid	8021B	205
890-160-81	FS99	Total/NA	Solid	8021B	205
890-160-82	FS100	Total/NA	Solid	8021B	205
890-160-83	FS101	Total/NA	Solid	8021B	205
890-160-84	FS102	Total/NA	Solid	8021B	205
890-160-85	FS103	Total/NA	Solid	8021B	205
890-160-86	FS104	Total/NA	Solid	8021B	205

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA (Continued)

Analysis Batch: 219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-87	FS105	Total/NA	Solid	8021B	205
890-160-88	FS106	Total/NA	Solid	8021B	205
890-160-89	FS107	Total/NA	Solid	8021B	205
890-160-90	FS108	Total/NA	Solid	8021B	205
890-160-91	FS109	Total/NA	Solid	8021B	205
890-160-92	FS110	Total/NA	Solid	8021B	205
890-160-93	FS111	Total/NA	Solid	8021B	205
890-160-94	FS112	Total/NA	Solid	8021B	205
890-160-95	FS113	Total/NA	Solid	8021B	205
890-160-96	FS114	Total/NA	Solid	8021B	205
890-160-97	FS115	Total/NA	Solid	8021B	205
MB 890-205/1-A	Method Blank	Total/NA	Solid	8021B	205
LCS 890-205/2-A	Lab Control Sample	Total/NA	Solid	8021B	205
LCSD 890-205/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	205
890-160-78 MS	FS96	Total/NA	Solid	8021B	205
890-160-78 MSD	FS96	Total/NA	Solid	8021B	205

Analysis Batch: 220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-58	FS76	Total/NA	Solid	8021B	217
890-160-59	FS77	Total/NA	Solid	8021B	217
890-160-60	FS78	Total/NA	Solid	8021B	217
890-160-61	FS79	Total/NA	Solid	8021B	217
890-160-62	FS80	Total/NA	Solid	8021B	217
890-160-63	FS81	Total/NA	Solid	8021B	217
890-160-64	FS82	Total/NA	Solid	8021B	217
890-160-65	FS83	Total/NA	Solid	8021B	217
890-160-66	FS84	Total/NA	Solid	8021B	217
890-160-67	FS85	Total/NA	Solid	8021B	217
890-160-68	FS86	Total/NA	Solid	8021B	217
890-160-69	FS87	Total/NA	Solid	8021B	217
890-160-70	FS88	Total/NA	Solid	8021B	217
890-160-71	FS89	Total/NA	Solid	8021B	217
890-160-72	FS90	Total/NA	Solid	8021B	217
890-160-73	FS91	Total/NA	Solid	8021B	217
890-160-74	FS92	Total/NA	Solid	8021B	217
890-160-75	FS93	Total/NA	Solid	8021B	217
890-160-76	FS94	Total/NA	Solid	8021B	217
890-160-77	FS95	Total/NA	Solid	8021B	217
890-160-98	FS116	Total/NA	Solid	8021B	206
890-160-99	FS117	Total/NA	Solid	8021B	206
890-160-100	FS118	Total/NA	Solid	8021B	206
890-160-101	FS119	Total/NA	Solid	8021B	206
890-160-102	FS120	Total/NA	Solid	8021B	206
MB 890-206/1-A	Method Blank	Total/NA	Solid	8021B	206
MB 890-217/1-A	Method Blank	Total/NA	Solid	8021B	217
LCS 890-206/2-A	Lab Control Sample	Total/NA	Solid	8021B	206
LCS 890-217/2-A	Lab Control Sample	Total/NA	Solid	8021B	217
LCSD 890-206/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	206
LCSD 890-217/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	217
890-160-58 MS	FS76	Total/NA	Solid	8021B	217

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA (Continued)

Analysis Batch: 220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-58 MSD	FS76	Total/NA	Solid	8021B	217
890-160-98 MS	FS116	Total/NA	Solid	8021B	206
890-160-98 MSD	FS116	Total/NA	Solid	8021B	206

Analysis Batch: 229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-38	FS56	Total/NA	Solid	8021B	200
890-160-39	FS57	Total/NA	Solid	8021B	200
890-160-40	FS58	Total/NA	Solid	8021B	200
890-160-41	FS59	Total/NA	Solid	8021B	200
890-160-42	FS60	Total/NA	Solid	8021B	200
890-160-43	FS61	Total/NA	Solid	8021B	200
890-160-44	FS62	Total/NA	Solid	8021B	200
890-160-45	FS63	Total/NA	Solid	8021B	200
890-160-46	FS64	Total/NA	Solid	8021B	200
890-160-47	FS65	Total/NA	Solid	8021B	200
890-160-48	FS66	Total/NA	Solid	8021B	200
890-160-49	FS67	Total/NA	Solid	8021B	200
890-160-50	FS68	Total/NA	Solid	8021B	200
890-160-51	FS69	Total/NA	Solid	8021B	200
890-160-52	FS70	Total/NA	Solid	8021B	200
890-160-53	FS71	Total/NA	Solid	8021B	200
890-160-54	FS72	Total/NA	Solid	8021B	200
890-160-55	FS73	Total/NA	Solid	8021B	200
890-160-56	FS74	Total/NA	Solid	8021B	200
890-160-57	FS75	Total/NA	Solid	8021B	200
MB 890-200/1-A	Method Blank	Total/NA	Solid	8021B	200
LCS 890-200/2-A	Lab Control Sample	Total/NA	Solid	8021B	200
LCSD 890-200/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	200
890-160-38 MS	FS56	Total/NA	Solid	8021B	200
890-160-38 MSD	FS56	Total/NA	Solid	8021B	200

Analysis Batch: 234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-13	FS31	Total/NA	Solid	8021B	194
890-160-14	FS32	Total/NA	Solid	8021B	194
890-160-15	FS33	Total/NA	Solid	8021B	194
890-160-16	FS34	Total/NA	Solid	8021B	194
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
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	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC VOA

Prep Batch: 258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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
890-160-4	FS22	Total/NA	Solid	8021B	194
890-160-17	FS35	Total/NA	Solid	8021B	194
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

GC Semi VOA

Prep Batch: 223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-101	FS119	Total/NA	Solid	8015NM Prep	
890-160-102	FS120	Total/NA	Solid	8015NM Prep	
MB 890-223/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-223/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-157-A-41-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-157-A-41-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-101	FS119	Total/NA	Solid	8015B NM	223
890-160-102	FS120	Total/NA	Solid	8015B NM	223
MB 890-223/1-A	Method Blank	Total/NA	Solid	8015B NM	223
LCS 890-223/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	223
LCSD 890-223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	223
890-157-A-41-H MS	Matrix Spike	Total/NA	Solid	8015B NM	223
890-157-A-41-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	223

Analysis Batch: 233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-99	FS117	Total/NA	Solid	8015B NM	237
890-160-100	FS118	Total/NA	Solid	8015B NM	237

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Analysis Batch: 233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 890-237/1-A	Method Blank	Total/NA	Solid	8015B NM	237
LCS 890-237/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	237
LCSD 890-237/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	237
890-165-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	237
890-165-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	237

Prep Batch: 237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-99	FS117	Total/NA	Solid	8015NM Prep	
890-160-100	FS118	Total/NA	Solid	8015NM Prep	
MB 890-237/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-237/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-237/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-165-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-165-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Total/NA	Solid	8015NM Prep	
890-160-2	FS20	Total/NA	Solid	8015NM Prep	
890-160-3	FS21	Total/NA	Solid	8015NM Prep	
890-160-4	FS22	Total/NA	Solid	8015NM Prep	
890-160-5	FS23	Total/NA	Solid	8015NM Prep	
890-160-6	FS24	Total/NA	Solid	8015NM Prep	
890-160-7	FS25	Total/NA	Solid	8015NM Prep	
890-160-8	FS26	Total/NA	Solid	8015NM Prep	
890-160-9	FS27	Total/NA	Solid	8015NM Prep	
890-160-10	FS28	Total/NA	Solid	8015NM Prep	
890-160-11	FS29	Total/NA	Solid	8015NM Prep	
890-160-12	FS30	Total/NA	Solid	8015NM Prep	
890-160-13	FS31	Total/NA	Solid	8015NM Prep	
890-160-14	FS32	Total/NA	Solid	8015NM Prep	
890-160-15	FS33	Total/NA	Solid	8015NM Prep	
MB 890-238/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-238/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-238/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-160-1 MS	FS19	Total/NA	Solid	8015NM Prep	
890-160-1 MSD	FS19	Total/NA	Solid	8015NM Prep	

Prep Batch: 244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-21	FS39	Total/NA	Solid	8015NM Prep	
890-160-22	FS40	Total/NA	Solid	8015NM Prep	
890-160-23	FS41	Total/NA	Solid	8015NM Prep	
890-160-24	FS42	Total/NA	Solid	8015NM Prep	
890-160-25	FS43	Total/NA	Solid	8015NM Prep	
890-160-26	FS44	Total/NA	Solid	8015NM Prep	
890-160-27	FS45	Total/NA	Solid	8015NM Prep	
890-160-28	FS46	Total/NA	Solid	8015NM Prep	
890-160-29	FS47	Total/NA	Solid	8015NM Prep	
890-160-30	FS48	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Prep Batch: 244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-31	FS49	Total/NA	Solid	8015NM Prep	
890-160-32	FS50	Total/NA	Solid	8015NM Prep	
890-160-33	FS51	Total/NA	Solid	8015NM Prep	
890-160-34	FS52	Total/NA	Solid	8015NM Prep	
890-160-35	FS53	Total/NA	Solid	8015NM Prep	
890-160-36	FS54	Total/NA	Solid	8015NM Prep	
890-160-37	FS55	Total/NA	Solid	8015NM Prep	
890-160-38	FS56	Total/NA	Solid	8015NM Prep	
890-160-39	FS57	Total/NA	Solid	8015NM Prep	
890-160-40	FS58	Total/NA	Solid	8015NM Prep	
MB 890-244/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-244/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-244/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-160-21 MS	FS39	Total/NA	Solid	8015NM Prep	
890-160-21 MSD	FS39	Total/NA	Solid	8015NM Prep	

Prep Batch: 245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-61	FS79	Total/NA	Solid	8015NM Prep	
890-160-62	FS80	Total/NA	Solid	8015NM Prep	
890-160-63	FS81	Total/NA	Solid	8015NM Prep	
890-160-64	FS82	Total/NA	Solid	8015NM Prep	
890-160-65	FS83	Total/NA	Solid	8015NM Prep	
890-160-66	FS84	Total/NA	Solid	8015NM Prep	
890-160-67	FS85	Total/NA	Solid	8015NM Prep	
890-160-68	FS86	Total/NA	Solid	8015NM Prep	
890-160-69	FS87	Total/NA	Solid	8015NM Prep	
890-160-70	FS88	Total/NA	Solid	8015NM Prep	
890-160-71	FS89	Total/NA	Solid	8015NM Prep	
890-160-72	FS90	Total/NA	Solid	8015NM Prep	
890-160-73	FS91	Total/NA	Solid	8015NM Prep	
890-160-74	FS92	Total/NA	Solid	8015NM Prep	
890-160-75	FS93	Total/NA	Solid	8015NM Prep	
890-160-76	FS94	Total/NA	Solid	8015NM Prep	
890-160-77	FS95	Total/NA	Solid	8015NM Prep	
890-160-78	FS96	Total/NA	Solid	8015NM Prep	
890-160-79	FS97	Total/NA	Solid	8015NM Prep	
890-160-80	FS98	Total/NA	Solid	8015NM Prep	
MB 890-245/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-245/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-245/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-160-61 MS	FS79	Total/NA	Solid	8015NM Prep	
890-160-61 MSD	FS79	Total/NA	Solid	8015NM Prep	

Prep Batch: 246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-81	FS99	Total/NA	Solid	8015NM Prep	
890-160-82	FS100	Total/NA	Solid	8015NM Prep	
890-160-83	FS101	Total/NA	Solid	8015NM Prep	
890-160-84	FS102	Total/NA	Solid	8015NM Prep	
890-160-85	FS103	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Prep Batch: 246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-86	FS104	Total/NA	Solid	8015NM Prep	
890-160-87	FS105	Total/NA	Solid	8015NM Prep	
890-160-88	FS106	Total/NA	Solid	8015NM Prep	
890-160-89	FS107	Total/NA	Solid	8015NM Prep	
890-160-90	FS108	Total/NA	Solid	8015NM Prep	
890-160-91	FS109	Total/NA	Solid	8015NM Prep	
890-160-92	FS110	Total/NA	Solid	8015NM Prep	
890-160-93	FS111	Total/NA	Solid	8015NM Prep	
890-160-94	FS112	Total/NA	Solid	8015NM Prep	
890-160-95	FS113	Total/NA	Solid	8015NM Prep	
890-160-96	FS114	Total/NA	Solid	8015NM Prep	
890-160-98	FS116	Total/NA	Solid	8015NM Prep	
MB 890-246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-160-81 MS	FS99	Total/NA	Solid	8015NM Prep	
890-160-81 MSD	FS99	Total/NA	Solid	8015NM Prep	

Prep Batch: 247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-41	FS59	Total/NA	Solid	8015NM Prep	
890-160-42	FS60	Total/NA	Solid	8015NM Prep	
890-160-43	FS61	Total/NA	Solid	8015NM Prep	
890-160-44	FS62	Total/NA	Solid	8015NM Prep	
890-160-45	FS63	Total/NA	Solid	8015NM Prep	
890-160-46	FS64	Total/NA	Solid	8015NM Prep	
890-160-47	FS65	Total/NA	Solid	8015NM Prep	
890-160-48	FS66	Total/NA	Solid	8015NM Prep	
890-160-49	FS67	Total/NA	Solid	8015NM Prep	
890-160-50	FS68	Total/NA	Solid	8015NM Prep	
890-160-51	FS69	Total/NA	Solid	8015NM Prep	
890-160-52	FS70	Total/NA	Solid	8015NM Prep	
890-160-53	FS71	Total/NA	Solid	8015NM Prep	
890-160-54	FS72	Total/NA	Solid	8015NM Prep	
890-160-55	FS73	Total/NA	Solid	8015NM Prep	
890-160-56	FS74	Total/NA	Solid	8015NM Prep	
890-160-57	FS75	Total/NA	Solid	8015NM Prep	
890-160-58	FS76	Total/NA	Solid	8015NM Prep	
890-160-59	FS77	Total/NA	Solid	8015NM Prep	
890-160-60	FS78	Total/NA	Solid	8015NM Prep	
MB 890-247/1-B	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-247/2-B	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-247/3-B	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-160-41 MS	FS59	Total/NA	Solid	8015NM Prep	
890-160-41 MSD	FS59	Total/NA	Solid	8015NM Prep	

Analysis Batch: 248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Total/NA	Solid	8015B NM	238
890-160-2	FS20	Total/NA	Solid	8015B NM	238
890-160-3	FS21	Total/NA	Solid	8015B NM	238

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Analysis Batch: 248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-4	FS22	Total/NA	Solid	8015B NM	238
890-160-5	FS23	Total/NA	Solid	8015B NM	238
890-160-6	FS24	Total/NA	Solid	8015B NM	238
890-160-7	FS25	Total/NA	Solid	8015B NM	238
890-160-8	FS26	Total/NA	Solid	8015B NM	238
890-160-9	FS27	Total/NA	Solid	8015B NM	238
890-160-10	FS28	Total/NA	Solid	8015B NM	238
890-160-11	FS29	Total/NA	Solid	8015B NM	238
890-160-12	FS30	Total/NA	Solid	8015B NM	238
890-160-13	FS31	Total/NA	Solid	8015B NM	238
890-160-14	FS32	Total/NA	Solid	8015B NM	238
890-160-15	FS33	Total/NA	Solid	8015B NM	238
890-160-41	FS59	Total/NA	Solid	8015B NM	247
890-160-42	FS60	Total/NA	Solid	8015B NM	247
890-160-43	FS61	Total/NA	Solid	8015B NM	247
890-160-44	FS62	Total/NA	Solid	8015B NM	247
890-160-45	FS63	Total/NA	Solid	8015B NM	247
890-160-46	FS64	Total/NA	Solid	8015B NM	247
890-160-47	FS65	Total/NA	Solid	8015B NM	247
890-160-48	FS66	Total/NA	Solid	8015B NM	247
890-160-49	FS67	Total/NA	Solid	8015B NM	247
890-160-50	FS68	Total/NA	Solid	8015B NM	247
890-160-51	FS69	Total/NA	Solid	8015B NM	247
890-160-52	FS70	Total/NA	Solid	8015B NM	247
890-160-53	FS71	Total/NA	Solid	8015B NM	247
890-160-54	FS72	Total/NA	Solid	8015B NM	247
890-160-55	FS73	Total/NA	Solid	8015B NM	247
890-160-56	FS74	Total/NA	Solid	8015B NM	247
890-160-57	FS75	Total/NA	Solid	8015B NM	247
890-160-58	FS76	Total/NA	Solid	8015B NM	247
890-160-59	FS77	Total/NA	Solid	8015B NM	247
890-160-60	FS78	Total/NA	Solid	8015B NM	247
MB 890-238/1-A	Method Blank	Total/NA	Solid	8015B NM	238
MB 890-247/1-B	Method Blank	Total/NA	Solid	8015B NM	247
LCS 890-238/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	238
LCS 890-247/2-B	Lab Control Sample	Total/NA	Solid	8015B NM	247
LCSD 890-238/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	238
LCSD 890-247/3-B	Lab Control Sample Dup	Total/NA	Solid	8015B NM	247
890-160-1 MS	FS19	Total/NA	Solid	8015B NM	238
890-160-1 MSD	FS19	Total/NA	Solid	8015B NM	238
890-160-41 MS	FS59	Total/NA	Solid	8015B NM	247
890-160-41 MSD	FS59	Total/NA	Solid	8015B NM	247

Analysis Batch: 249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-21	FS39	Total/NA	Solid	8015B NM	244
890-160-22	FS40	Total/NA	Solid	8015B NM	244
890-160-23	FS41	Total/NA	Solid	8015B NM	244
890-160-24	FS42	Total/NA	Solid	8015B NM	244
890-160-25	FS43	Total/NA	Solid	8015B NM	244
890-160-26	FS44	Total/NA	Solid	8015B NM	244

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Analysis Batch: 249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-27	FS45	Total/NA	Solid	8015B NM	244
890-160-28	FS46	Total/NA	Solid	8015B NM	244
890-160-29	FS47	Total/NA	Solid	8015B NM	244
890-160-30	FS48	Total/NA	Solid	8015B NM	244
890-160-31	FS49	Total/NA	Solid	8015B NM	244
890-160-32	FS50	Total/NA	Solid	8015B NM	244
890-160-33	FS51	Total/NA	Solid	8015B NM	244
890-160-34	FS52	Total/NA	Solid	8015B NM	244
890-160-35	FS53	Total/NA	Solid	8015B NM	244
890-160-36	FS54	Total/NA	Solid	8015B NM	244
890-160-37	FS55	Total/NA	Solid	8015B NM	244
890-160-38	FS56	Total/NA	Solid	8015B NM	244
890-160-39	FS57	Total/NA	Solid	8015B NM	244
890-160-40	FS58	Total/NA	Solid	8015B NM	244
890-160-61	FS79	Total/NA	Solid	8015B NM	245
890-160-62	FS80	Total/NA	Solid	8015B NM	245
890-160-63	FS81	Total/NA	Solid	8015B NM	245
890-160-64	FS82	Total/NA	Solid	8015B NM	245
890-160-65	FS83	Total/NA	Solid	8015B NM	245
890-160-66	FS84	Total/NA	Solid	8015B NM	245
890-160-67	FS85	Total/NA	Solid	8015B NM	245
890-160-68	FS86	Total/NA	Solid	8015B NM	245
890-160-69	FS87	Total/NA	Solid	8015B NM	245
890-160-70	FS88	Total/NA	Solid	8015B NM	245
890-160-71	FS89	Total/NA	Solid	8015B NM	245
890-160-72	FS90	Total/NA	Solid	8015B NM	245
890-160-73	FS91	Total/NA	Solid	8015B NM	245
890-160-74	FS92	Total/NA	Solid	8015B NM	245
890-160-75	FS93	Total/NA	Solid	8015B NM	245
890-160-76	FS94	Total/NA	Solid	8015B NM	245
890-160-77	FS95	Total/NA	Solid	8015B NM	245
890-160-78	FS96	Total/NA	Solid	8015B NM	245
890-160-79	FS97	Total/NA	Solid	8015B NM	245
890-160-80	FS98	Total/NA	Solid	8015B NM	245
MB 890-244/1-A	Method Blank	Total/NA	Solid	8015B NM	244
MB 890-245/1-A	Method Blank	Total/NA	Solid	8015B NM	245
LCS 890-244/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	244
LCS 890-245/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	245
LCSD 890-244/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	244
LCSD 890-245/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	245
890-160-21 MS	FS39	Total/NA	Solid	8015B NM	244
890-160-21 MSD	FS39	Total/NA	Solid	8015B NM	244
890-160-61 MS	FS79	Total/NA	Solid	8015B NM	245
890-160-61 MSD	FS79	Total/NA	Solid	8015B NM	245

Prep Batch: 259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-16	FS34	Total/NA	Solid	8015NM Prep	
890-160-17	FS35	Total/NA	Solid	8015NM Prep	
890-160-18	FS36	Total/NA	Solid	8015NM Prep	
890-160-19	FS37	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Prep Batch: 259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-20	FS38	Total/NA	Solid	8015NM Prep	
MB 890-259/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-259/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-201-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-201-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-81	FS99	Total/NA	Solid	8015B NM	246
890-160-82	FS100	Total/NA	Solid	8015B NM	246
890-160-83	FS101	Total/NA	Solid	8015B NM	246
890-160-84	FS102	Total/NA	Solid	8015B NM	246
890-160-85	FS103	Total/NA	Solid	8015B NM	246
890-160-86	FS104	Total/NA	Solid	8015B NM	246
890-160-87	FS105	Total/NA	Solid	8015B NM	246
890-160-88	FS106	Total/NA	Solid	8015B NM	246
890-160-89	FS107	Total/NA	Solid	8015B NM	246
890-160-90	FS108	Total/NA	Solid	8015B NM	246
890-160-91	FS109	Total/NA	Solid	8015B NM	246
890-160-92	FS110	Total/NA	Solid	8015B NM	246
890-160-93	FS111	Total/NA	Solid	8015B NM	246
890-160-94	FS112	Total/NA	Solid	8015B NM	246
890-160-95	FS113	Total/NA	Solid	8015B NM	246
890-160-96	FS114	Total/NA	Solid	8015B NM	246
890-160-98	FS116	Total/NA	Solid	8015B NM	246
MB 890-246/1-A	Method Blank	Total/NA	Solid	8015B NM	246
LCS 890-246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	246
LCSD 890-246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	246
890-160-81 MS	FS99	Total/NA	Solid	8015B NM	246
890-160-81 MSD	FS99	Total/NA	Solid	8015B NM	246

Analysis Batch: 263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-16	FS34	Total/NA	Solid	8015B NM	259
890-160-17	FS35	Total/NA	Solid	8015B NM	259
890-160-18	FS36	Total/NA	Solid	8015B NM	259
890-160-19	FS37	Total/NA	Solid	8015B NM	259
890-160-20	FS38	Total/NA	Solid	8015B NM	259
MB 890-259/1-A	Method Blank	Total/NA	Solid	8015B NM	259
LCS 890-259/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	259
LCSD 890-259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	259
890-201-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	259
890-201-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	259

Prep Batch: 280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-97	FS115	Total/NA	Solid	8015NM Prep	
MB 890-280/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-280/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

GC Semi VOA (Continued)

Prep Batch: 280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-209-A-48-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-209-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-97	FS115	Total/NA	Solid	8015B NM	280
MB 890-280/1-A	Method Blank	Total/NA	Solid	8015B NM	280
LCS 890-280/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	280
LCSD 890-280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	280
890-209-A-48-D MS	Matrix Spike	Total/NA	Solid	8015B NM	280
890-209-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	280

HPLC/IC

Leach Batch: 197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Soluble	Solid	DI Leach	
890-160-2	FS20	Soluble	Solid	DI Leach	
890-160-3	FS21	Soluble	Solid	DI Leach	
890-160-4	FS22	Soluble	Solid	DI Leach	
890-160-5	FS23	Soluble	Solid	DI Leach	
890-160-6	FS24	Soluble	Solid	DI Leach	
890-160-7	FS25	Soluble	Solid	DI Leach	
890-160-8	FS26	Soluble	Solid	DI Leach	
890-160-9	FS27	Soluble	Solid	DI Leach	
890-160-10	FS28	Soluble	Solid	DI Leach	
890-160-11	FS29	Soluble	Solid	DI Leach	
890-160-12	FS30	Soluble	Solid	DI Leach	
890-160-13	FS31	Soluble	Solid	DI Leach	
890-160-14	FS32	Soluble	Solid	DI Leach	
890-160-15	FS33	Soluble	Solid	DI Leach	
890-160-16	FS34	Soluble	Solid	DI Leach	
890-160-17	FS35	Soluble	Solid	DI Leach	
MB 890-197/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-197/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-197/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-8 MS	FS26	Soluble	Solid	DI Leach	
890-160-8 MSD	FS26	Soluble	Solid	DI Leach	

Leach Batch: 199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-18	FS36	Soluble	Solid	DI Leach	
890-160-19	FS37	Soluble	Solid	DI Leach	
890-160-20	FS38	Soluble	Solid	DI Leach	
890-160-21	FS39	Soluble	Solid	DI Leach	
890-160-22	FS40	Soluble	Solid	DI Leach	
890-160-23	FS41	Soluble	Solid	DI Leach	
890-160-24	FS42	Soluble	Solid	DI Leach	
890-160-25	FS43	Soluble	Solid	DI Leach	
890-160-26	FS44	Soluble	Solid	DI Leach	
890-160-27	FS45	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC (Continued)

Leach Batch: 199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-28	FS46	Soluble	Solid	DI Leach	
890-160-29	FS47	Soluble	Solid	DI Leach	
890-160-30	FS48	Soluble	Solid	DI Leach	
890-160-31	FS49	Soluble	Solid	DI Leach	
890-160-32	FS50	Soluble	Solid	DI Leach	
890-160-33	FS51	Soluble	Solid	DI Leach	
890-160-34	FS52	Soluble	Solid	DI Leach	
890-160-35	FS53	Soluble	Solid	DI Leach	
890-160-36	FS54	Soluble	Solid	DI Leach	
890-160-37	FS55	Soluble	Solid	DI Leach	
MB 890-199/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-199/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-199/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-18 MS	FS36	Soluble	Solid	DI Leach	
890-160-18 MSD	FS36	Soluble	Solid	DI Leach	
890-160-28 MS	FS46	Soluble	Solid	DI Leach	
890-160-28 MSD	FS46	Soluble	Solid	DI Leach	

Leach Batch: 201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-38	FS56	Soluble	Solid	DI Leach	
890-160-40	FS58	Soluble	Solid	DI Leach	
890-160-41	FS59	Soluble	Solid	DI Leach	
890-160-42	FS60	Soluble	Solid	DI Leach	
890-160-43	FS61	Soluble	Solid	DI Leach	
890-160-44	FS62	Soluble	Solid	DI Leach	
890-160-45	FS63	Soluble	Solid	DI Leach	
890-160-47	FS65	Soluble	Solid	DI Leach	
890-160-48	FS66	Soluble	Solid	DI Leach	
890-160-49	FS67	Soluble	Solid	DI Leach	
890-160-50	FS68	Soluble	Solid	DI Leach	
890-160-51	FS69	Soluble	Solid	DI Leach	
890-160-52	FS70	Soluble	Solid	DI Leach	
890-160-53	FS71	Soluble	Solid	DI Leach	
890-160-54	FS72	Soluble	Solid	DI Leach	
890-160-55	FS73	Soluble	Solid	DI Leach	
890-160-56	FS74	Soluble	Solid	DI Leach	
890-160-57	FS75	Soluble	Solid	DI Leach	
MB 890-201/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-201/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-201/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-38 MS	FS56	Soluble	Solid	DI Leach	
890-160-38 MSD	FS56	Soluble	Solid	DI Leach	
890-160-48 MS	FS66	Soluble	Solid	DI Leach	
890-160-48 MSD	FS66	Soluble	Solid	DI Leach	

Leach Batch: 202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-58	FS76	Soluble	Solid	DI Leach	
890-160-59	FS77	Soluble	Solid	DI Leach	
890-160-60	FS78	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC (Continued)

Leach Batch: 202 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-61	FS79	Soluble	Solid	DI Leach	
890-160-62	FS80	Soluble	Solid	DI Leach	
890-160-64	FS82	Soluble	Solid	DI Leach	
890-160-65	FS83	Soluble	Solid	DI Leach	
890-160-66	FS84	Soluble	Solid	DI Leach	
890-160-67	FS85	Soluble	Solid	DI Leach	
890-160-68	FS86	Soluble	Solid	DI Leach	
890-160-69	FS87	Soluble	Solid	DI Leach	
890-160-70	FS88	Soluble	Solid	DI Leach	
890-160-71	FS89	Soluble	Solid	DI Leach	
890-160-72	FS90	Soluble	Solid	DI Leach	
890-160-73	FS91	Soluble	Solid	DI Leach	
890-160-74	FS92	Soluble	Solid	DI Leach	
890-160-75	FS93	Soluble	Solid	DI Leach	
890-160-76	FS94	Soluble	Solid	DI Leach	
890-160-77	FS95	Soluble	Solid	DI Leach	
MB 890-202/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-202/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-202/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-58 MS	FS76	Soluble	Solid	DI Leach	
890-160-58 MSD	FS76	Soluble	Solid	DI Leach	
890-160-68 MS	FS86	Soluble	Solid	DI Leach	
890-160-68 MSD	FS86	Soluble	Solid	DI Leach	

Leach Batch: 204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-78	FS96	Soluble	Solid	DI Leach	
890-160-79	FS97	Soluble	Solid	DI Leach	
890-160-80	FS98	Soluble	Solid	DI Leach	
890-160-81	FS99	Soluble	Solid	DI Leach	
890-160-82	FS100	Soluble	Solid	DI Leach	
890-160-85	FS103	Soluble	Solid	DI Leach	
890-160-86	FS104	Soluble	Solid	DI Leach	
890-160-87	FS105	Soluble	Solid	DI Leach	
890-160-88	FS106	Soluble	Solid	DI Leach	
890-160-89	FS107	Soluble	Solid	DI Leach	
890-160-90	FS108	Soluble	Solid	DI Leach	
890-160-91	FS109	Soluble	Solid	DI Leach	
890-160-92	FS110	Soluble	Solid	DI Leach	
890-160-93	FS111	Soluble	Solid	DI Leach	
890-160-94	FS112	Soluble	Solid	DI Leach	
890-160-95	FS113	Soluble	Solid	DI Leach	
890-160-96	FS114	Soluble	Solid	DI Leach	
890-160-97	FS115	Soluble	Solid	DI Leach	
MB 890-204/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-204/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-204/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-78 MS	FS96	Soluble	Solid	DI Leach	
890-160-78 MSD	FS96	Soluble	Solid	DI Leach	
890-160-88 MS	FS106	Soluble	Solid	DI Leach	
890-160-88 MSD	FS106	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC

Leach Batch: 207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-98	FS116	Soluble	Solid	DI Leach	
890-160-99	FS117	Soluble	Solid	DI Leach	
890-160-100	FS118	Soluble	Solid	DI Leach	
890-160-101	FS119	Soluble	Solid	DI Leach	
890-160-102	FS120	Soluble	Solid	DI Leach	
MB 890-207/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-207/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-207/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-98 MS	FS116	Soluble	Solid	DI Leach	
890-160-98 MSD	FS116	Soluble	Solid	DI Leach	

Analysis Batch: 218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-1	FS19	Soluble	Solid	300.0	197
890-160-2	FS20	Soluble	Solid	300.0	197
890-160-3	FS21	Soluble	Solid	300.0	197
890-160-4	FS22	Soluble	Solid	300.0	197
890-160-5	FS23	Soluble	Solid	300.0	197
890-160-6	FS24	Soluble	Solid	300.0	197
890-160-7	FS25	Soluble	Solid	300.0	197
890-160-8	FS26	Soluble	Solid	300.0	197
890-160-9	FS27	Soluble	Solid	300.0	197
890-160-10	FS28	Soluble	Solid	300.0	197
890-160-11	FS29	Soluble	Solid	300.0	197
890-160-12	FS30	Soluble	Solid	300.0	197
890-160-13	FS31	Soluble	Solid	300.0	197
890-160-14	FS32	Soluble	Solid	300.0	197
890-160-15	FS33	Soluble	Solid	300.0	197
890-160-16	FS34	Soluble	Solid	300.0	197
890-160-17	FS35	Soluble	Solid	300.0	197
890-160-18	FS36	Soluble	Solid	300.0	199
890-160-19	FS37	Soluble	Solid	300.0	199
890-160-20	FS38	Soluble	Solid	300.0	199
890-160-21	FS39	Soluble	Solid	300.0	199
890-160-22	FS40	Soluble	Solid	300.0	199
890-160-23	FS41	Soluble	Solid	300.0	199
890-160-24	FS42	Soluble	Solid	300.0	199
890-160-25	FS43	Soluble	Solid	300.0	199
890-160-26	FS44	Soluble	Solid	300.0	199
890-160-27	FS45	Soluble	Solid	300.0	199
890-160-28	FS46	Soluble	Solid	300.0	199
890-160-29	FS47	Soluble	Solid	300.0	199
890-160-30	FS48	Soluble	Solid	300.0	199
890-160-31	FS49	Soluble	Solid	300.0	199
890-160-32	FS50	Soluble	Solid	300.0	199
890-160-33	FS51	Soluble	Solid	300.0	199
890-160-34	FS52	Soluble	Solid	300.0	199
890-160-35	FS53	Soluble	Solid	300.0	199
890-160-36	FS54	Soluble	Solid	300.0	199
890-160-37	FS55	Soluble	Solid	300.0	199
890-160-38	FS56	Soluble	Solid	300.0	201

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC (Continued)

Analysis Batch: 218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-40	FS58	Soluble	Solid	300.0	201
890-160-41	FS59	Soluble	Solid	300.0	201
890-160-42	FS60	Soluble	Solid	300.0	201
890-160-43	FS61	Soluble	Solid	300.0	201
890-160-44	FS62	Soluble	Solid	300.0	201
890-160-45	FS63	Soluble	Solid	300.0	201
890-160-47	FS65	Soluble	Solid	300.0	201
890-160-48	FS66	Soluble	Solid	300.0	201
890-160-49	FS67	Soluble	Solid	300.0	201
890-160-50	FS68	Soluble	Solid	300.0	201
890-160-51	FS69	Soluble	Solid	300.0	201
890-160-52	FS70	Soluble	Solid	300.0	201
890-160-53	FS71	Soluble	Solid	300.0	201
890-160-54	FS72	Soluble	Solid	300.0	201
890-160-55	FS73	Soluble	Solid	300.0	201
890-160-56	FS74	Soluble	Solid	300.0	201
890-160-57	FS75	Soluble	Solid	300.0	201
890-160-58	FS76	Soluble	Solid	300.0	202
890-160-59	FS77	Soluble	Solid	300.0	202
890-160-60	FS78	Soluble	Solid	300.0	202
890-160-61	FS79	Soluble	Solid	300.0	202
890-160-62	FS80	Soluble	Solid	300.0	202
890-160-64	FS82	Soluble	Solid	300.0	202
890-160-65	FS83	Soluble	Solid	300.0	202
890-160-66	FS84	Soluble	Solid	300.0	202
890-160-67	FS85	Soluble	Solid	300.0	202
890-160-68	FS86	Soluble	Solid	300.0	202
890-160-69	FS87	Soluble	Solid	300.0	202
890-160-70	FS88	Soluble	Solid	300.0	202
890-160-71	FS89	Soluble	Solid	300.0	202
890-160-72	FS90	Soluble	Solid	300.0	202
890-160-73	FS91	Soluble	Solid	300.0	202
890-160-74	FS92	Soluble	Solid	300.0	202
890-160-75	FS93	Soluble	Solid	300.0	202
890-160-76	FS94	Soluble	Solid	300.0	202
890-160-77	FS95	Soluble	Solid	300.0	202
890-160-78	FS96	Soluble	Solid	300.0	204
890-160-79	FS97	Soluble	Solid	300.0	204
890-160-80	FS98	Soluble	Solid	300.0	204
890-160-81	FS99	Soluble	Solid	300.0	204
890-160-82	FS100	Soluble	Solid	300.0	204
890-160-85	FS103	Soluble	Solid	300.0	204
890-160-86	FS104	Soluble	Solid	300.0	204
890-160-87	FS105	Soluble	Solid	300.0	204
890-160-88	FS106	Soluble	Solid	300.0	204
890-160-89	FS107	Soluble	Solid	300.0	204
890-160-90	FS108	Soluble	Solid	300.0	204
890-160-91	FS109	Soluble	Solid	300.0	204
890-160-92	FS110	Soluble	Solid	300.0	204
890-160-93	FS111	Soluble	Solid	300.0	204
890-160-94	FS112	Soluble	Solid	300.0	204

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC (Continued)

Analysis Batch: 218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-95	FS113	Soluble	Solid	300.0	204
890-160-96	FS114	Soluble	Solid	300.0	204
890-160-97	FS115	Soluble	Solid	300.0	204
890-160-98	FS116	Soluble	Solid	300.0	207
890-160-99	FS117	Soluble	Solid	300.0	207
890-160-100	FS118	Soluble	Solid	300.0	207
890-160-101	FS119	Soluble	Solid	300.0	207
890-160-102	FS120	Soluble	Solid	300.0	207
MB 890-197/1-A	Method Blank	Soluble	Solid	300.0	197
MB 890-199/1-A	Method Blank	Soluble	Solid	300.0	199
MB 890-201/1-A	Method Blank	Soluble	Solid	300.0	201
MB 890-202/1-A	Method Blank	Soluble	Solid	300.0	202
MB 890-204/1-A	Method Blank	Soluble	Solid	300.0	204
MB 890-207/1-A	Method Blank	Soluble	Solid	300.0	207
LCS 890-197/2-A	Lab Control Sample	Soluble	Solid	300.0	197
LCS 890-199/2-A	Lab Control Sample	Soluble	Solid	300.0	199
LCS 890-201/2-A	Lab Control Sample	Soluble	Solid	300.0	201
LCS 890-202/2-A	Lab Control Sample	Soluble	Solid	300.0	202
LCS 890-204/2-A	Lab Control Sample	Soluble	Solid	300.0	204
LCS 890-207/2-A	Lab Control Sample	Soluble	Solid	300.0	207
LCSD 890-197/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	197
LCSD 890-199/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	199
LCSD 890-201/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	201
LCSD 890-202/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	202
LCSD 890-204/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	204
LCSD 890-207/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	207
890-160-8 MS	FS26	Soluble	Solid	300.0	197
890-160-8 MSD	FS26	Soluble	Solid	300.0	197
890-160-18 MS	FS36	Soluble	Solid	300.0	199
890-160-18 MSD	FS36	Soluble	Solid	300.0	199
890-160-28 MS	FS46	Soluble	Solid	300.0	199
890-160-28 MSD	FS46	Soluble	Solid	300.0	199
890-160-38 MS	FS56	Soluble	Solid	300.0	201
890-160-38 MSD	FS56	Soluble	Solid	300.0	201
890-160-48 MS	FS66	Soluble	Solid	300.0	201
890-160-48 MSD	FS66	Soluble	Solid	300.0	201
890-160-58 MS	FS76	Soluble	Solid	300.0	202
890-160-58 MSD	FS76	Soluble	Solid	300.0	202
890-160-68 MS	FS86	Soluble	Solid	300.0	202
890-160-68 MSD	FS86	Soluble	Solid	300.0	202
890-160-78 MS	FS96	Soluble	Solid	300.0	204
890-160-78 MSD	FS96	Soluble	Solid	300.0	204
890-160-88 MS	FS106	Soluble	Solid	300.0	204
890-160-88 MSD	FS106	Soluble	Solid	300.0	204
890-160-98 MS	FS116	Soluble	Solid	300.0	207
890-160-98 MSD	FS116	Soluble	Solid	300.0	207

Analysis Batch: 295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-39	FS57	Soluble	Solid	300.0	299
890-160-46	FS64	Soluble	Solid	300.0	299

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

HPLC/IC (Continued)

Analysis Batch: 295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-63	FS81	Soluble	Solid	300.0	299
890-160-83	FS101	Soluble	Solid	300.0	299
890-160-84	FS102	Soluble	Solid	300.0	299
MB 890-299/1-A	Method Blank	Soluble	Solid	300.0	299
LCS 890-299/2-A	Lab Control Sample	Soluble	Solid	300.0	299
LCSD 890-299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	299
890-160-39 MS	FS57	Soluble	Solid	300.0	299
890-160-39 MSD	FS57	Soluble	Solid	300.0	299

Leach Batch: 299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-160-39	FS57	Soluble	Solid	DI Leach	
890-160-46	FS64	Soluble	Solid	DI Leach	
890-160-63	FS81	Soluble	Solid	DI Leach	
890-160-83	FS101	Soluble	Solid	DI Leach	
890-160-84	FS102	Soluble	Solid	DI Leach	
MB 890-299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-160-39 MS	FS57	Soluble	Solid	DI Leach	
890-160-39 MSD	FS57	Soluble	Solid	DI Leach	

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS19

Lab Sample ID: 890-160-1

Date Collected: 02/08/21 09:05

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/08/21 23:05	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 17:58	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:08	JM	XC

Client Sample ID: FS20

Lab Sample ID: 890-160-2

Date Collected: 02/08/21 09:07

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/08/21 23:28	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 20:59	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:14	JM	XC

Client Sample ID: FS21

Lab Sample ID: 890-160-3

Date Collected: 02/08/21 09:09

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 00:13	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 21:19	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		20	218	02/09/21 11:31	JM	XC

Client Sample ID: FS22

Lab Sample ID: 890-160-4

Date Collected: 02/08/21 09:10

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	279	02/16/21 16:59	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 21:39	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		10	218	02/09/21 11:37	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS23

Lab Sample ID: 890-160-5

Date Collected: 02/08/21 09:12

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 00:58	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 21:59	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:42	JM	XC

Client Sample ID: FS24

Lab Sample ID: 890-160-6

Date Collected: 02/08/21 09:15

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 01:20	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 22:19	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:48	JM	XC

Client Sample ID: FS25

Lab Sample ID: 890-160-7

Date Collected: 02/08/21 09:17

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 01:43	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 22:39	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:54	JM	XC

Client Sample ID: FS26

Lab Sample ID: 890-160-8

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 02:05	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 22:59	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 11:59	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS27

Lab Sample ID: 890-160-9

Date Collected: 02/08/21 09:22

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 02:28	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 23:19	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 12:23	JM	XC

Client Sample ID: FS28

Lab Sample ID: 890-160-10

Date Collected: 02/08/21 09:23

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 02:50	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/11/21 23:39	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 12:29	JM	XC

Client Sample ID: FS29

Lab Sample ID: 890-160-11

Date Collected: 02/08/21 09:20

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 03:12	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 00:19	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 12:46	JM	XC

Client Sample ID: FS30

Lab Sample ID: 890-160-12

Date Collected: 02/08/21 09:21

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	210	02/09/21 03:35	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 00:39	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 12:51	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS31**Lab Sample ID: 890-160-13****Date Collected: 02/08/21 09:23****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	234	02/12/21 07:37	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 00:59	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 12:57	JM	XC

Client Sample ID: FS32**Lab Sample ID: 890-160-14****Date Collected: 02/08/21 09:27****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	234	02/12/21 08:00	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 01:19	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 13:03	JM	XC

Client Sample ID: FS33**Lab Sample ID: 890-160-15****Date Collected: 02/08/21 09:30****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	234	02/12/21 08:22	PXS	XC
Total/NA	Prep	8015NM Prep			238	02/10/21 11:22		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 01:39	T1S	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 13:08	JM	XC

Client Sample ID: FS34**Lab Sample ID: 890-160-16****Date Collected: 02/08/21 09:27****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	234	02/12/21 08:45	PXS	XC
Total/NA	Prep	8015NM Prep			259	02/12/21 09:30		XC
Total/NA	Analysis	8015B NM		1	263	02/12/21 21:25	BJH	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 13:14	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS35

Date Collected: 02/08/21 09:30

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22		XC
Total/NA	Analysis	8021B		1	279	02/16/21 21:26	PXS	XC
Total/NA	Prep	8015NM Prep			259	02/12/21 09:30		XC
Total/NA	Analysis	8015B NM		1	263	02/12/21 21:44	BJH	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20		XC
Soluble	Analysis	300.0		1	218	02/09/21 13:20	JM	XC

Client Sample ID: FS36

Date Collected: 02/04/21 13:36

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/08/21 23:50	PXS	XC
Total/NA	Prep	8015NM Prep			259	02/12/21 09:30		XC
Total/NA	Analysis	8015B NM		1	263	02/12/21 22:04	BJH	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		1	218	02/09/21 13:54	JM	XC

Client Sample ID: FS37

Date Collected: 02/08/21 09:33

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 00:58	PXS	XC
Total/NA	Prep	8015NM Prep			259	02/12/21 09:30		XC
Total/NA	Analysis	8015B NM		1	263	02/12/21 22:23	BJH	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		2	218	02/09/21 14:11	JM	XC

Client Sample ID: FS38

Date Collected: 02/08/21 09:35

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 01:20	PXS	XC
Total/NA	Prep	8015NM Prep			259	02/12/21 09:30		XC
Total/NA	Analysis	8015B NM		1	263	02/12/21 22:42	BJH	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 14:17	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS39

Lab Sample ID: 890-160-21

Date Collected: 02/08/21 09:37

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 01:43	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 17:58	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 14:22	JM	XC

Client Sample ID: FS40

Lab Sample ID: 890-160-22

Date Collected: 02/08/21 09:39

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 02:27	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 18:59	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 14:40	JM	XC

Client Sample ID: FS41

Lab Sample ID: 890-160-23

Date Collected: 02/08/21 09:41

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 02:50	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 19:19	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 14:45	JM	XC

Client Sample ID: FS42

Lab Sample ID: 890-160-24

Date Collected: 02/04/21 13:47

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 03:12	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 19:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 14:51	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS43

Lab Sample ID: 890-160-25

Date Collected: 02/04/21 13:34

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 03:35	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 19:59	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 14:57	JM	XC

Client Sample ID: FS44

Lab Sample ID: 890-160-26

Date Collected: 02/04/21 13:38

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 03:57	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 20:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 15:02	JM	XC

Client Sample ID: FS45

Lab Sample ID: 890-160-27

Date Collected: 02/08/21 09:43

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 04:20	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 20:59	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 15:08	JM	XC

Client Sample ID: FS46

Lab Sample ID: 890-160-28

Date Collected: 02/08/21 09:45

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 04:42	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 21:19	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 15:14	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS47

Lab Sample ID: 890-160-29

Date Collected: 02/08/21 09:46

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 05:05	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 21:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 15:31	JM	XC

Client Sample ID: FS48

Lab Sample ID: 890-160-30

Date Collected: 02/08/21 09:48

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 05:27	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 21:59	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 15:48	JM	XC

Client Sample ID: FS49

Lab Sample ID: 890-160-31

Date Collected: 02/08/21 10:17

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 05:49	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 22:19	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 15:54	JM	XC

Client Sample ID: FS50

Lab Sample ID: 890-160-32

Date Collected: 02/08/21 10:19

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 06:34	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 22:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 16:00	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS51**Date Collected: 02/04/21 13:40****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-33****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 06:57	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 22:59	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		10	218	02/09/21 16:05	JM	XC

Client Sample ID: FS52**Date Collected: 02/08/21 10:21****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-34****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 07:19	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 23:19	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		120	218	02/09/21 16:11	JM	XC

Client Sample ID: FS53**Date Collected: 02/08/21 10:23****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-35****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 07:42	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/11/21 23:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 16:17	JM	XC

Client Sample ID: FS54**Date Collected: 02/08/21 10:25****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-36****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 08:04	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 00:19	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 16:22	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS55**Date Collected: 02/08/21 10:26****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-37****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			198	02/08/21 17:25		XC
Total/NA	Analysis	8021B		1	189	02/09/21 08:26	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 00:39	T1S	XC
Soluble	Leach	DI Leach			199	02/08/21 17:27		XC
Soluble	Analysis	300.0		20	218	02/09/21 16:28	JM	XC

Client Sample ID: FS56**Date Collected: 02/08/21 10:28****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-38****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 10:58	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 00:59	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		10	218	02/09/21 17:02	JM	XC

Client Sample ID: FS57**Date Collected: 02/08/21 10:29****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-39****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 12:06	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 01:19	T1S	XC
Soluble	Leach	DI Leach			299	02/18/21 14:26		XC
Soluble	Analysis	300.0		50	295	02/18/21 15:39	A1S	XC

Client Sample ID: FS58**Date Collected: 02/08/21 10:31****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-40****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 13:03	PXS	XC
Total/NA	Prep	8015NM Prep			244	02/10/21 18:00		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 01:39	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		1	218	02/09/21 17:25	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS59**Lab Sample ID: 890-160-41****Date Collected: 02/08/21 10:34****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 13:26	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 03:18	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		10	218	02/09/21 17:31	JM	XC

Client Sample ID: FS60**Lab Sample ID: 890-160-42****Date Collected: 02/08/21 10:36****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 14:11	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 04:17	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		10	218	02/09/21 17:48	JM	XC

Client Sample ID: FS61**Lab Sample ID: 890-160-43****Date Collected: 02/08/21 10:38****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 14:33	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 04:37	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		1	218	02/09/21 17:53	JM	XC

Client Sample ID: FS62**Lab Sample ID: 890-160-44****Date Collected: 02/08/21 10:39****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 14:55	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 04:57	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 17:59	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS63

Lab Sample ID: 890-160-45

Date Collected: 02/08/21 10:41

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 15:18	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 05:17	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 18:05	JM	XC

Client Sample ID: FS64

Lab Sample ID: 890-160-46

Date Collected: 02/08/21 10:42

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 15:40	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 05:56	T1S	XC
Soluble	Leach	DI Leach			299	02/18/21 14:26		XC
Soluble	Analysis	300.0		50	295	02/18/21 15:56	A1S	XC

Client Sample ID: FS65

Lab Sample ID: 890-160-47

Date Collected: 02/08/21 10:44

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 16:25	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 06:16	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 18:16	JM	XC

Client Sample ID: FS66

Lab Sample ID: 890-160-48

Date Collected: 02/08/21 10:46

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 16:48	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 06:36	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		10	218	02/09/21 18:22	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS67

Lab Sample ID: 890-160-49

Date Collected: 02/08/21 10:47

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 17:10	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 06:55	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 18:39	JM	XC

Client Sample ID: FS68

Lab Sample ID: 890-160-50

Date Collected: 02/04/21 13:55

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 17:33	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 07:15	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 18:56	JM	XC

Client Sample ID: FS69

Lab Sample ID: 890-160-51

Date Collected: 02/08/21 10:49

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 18:18	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 07:35	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:01	JM	XC

Client Sample ID: FS70

Lab Sample ID: 890-160-52

Date Collected: 02/08/21 10:50

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 18:40	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 07:54	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:07	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS71

Lab Sample ID: 890-160-53

Date Collected: 02/08/21 10:53

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 19:03	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 08:14	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:13	JM	XC

Client Sample ID: FS72

Lab Sample ID: 890-160-54

Date Collected: 02/08/21 10:55

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 19:25	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 08:34	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:18	JM	XC

Client Sample ID: FS73

Lab Sample ID: 890-160-55

Date Collected: 02/08/21 12:10

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 19:48	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 08:54	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:24	JM	XC

Client Sample ID: FS74

Lab Sample ID: 890-160-56

Date Collected: 02/08/21 12:12

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 20:10	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 09:33	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		20	218	02/09/21 19:30	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS75

Lab Sample ID: 890-160-57

Date Collected: 02/04/21 13:54

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			200	02/08/21 17:32		XC
Total/NA	Analysis	8021B		1	229	02/10/21 20:32	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 09:53	T1S	XC
Soluble	Leach	DI Leach			201	02/08/21 17:33		XC
Soluble	Analysis	300.0		10	218	02/09/21 19:35	JM	XC

Client Sample ID: FS76

Lab Sample ID: 890-160-58

Date Collected: 02/04/21 13:49

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 11:14	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 10:13	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		10	218	02/09/21 20:09	JM	XC

Client Sample ID: FS77

Lab Sample ID: 890-160-59

Date Collected: 02/04/21 13:37

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 12:22	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 10:33	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 20:26	JM	XC

Client Sample ID: FS78

Lab Sample ID: 890-160-60

Date Collected: 02/08/21 12:16

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 12:44	PXS	XC
Total/NA	Prep	8015NM Prep			247	02/10/21 20:42		XC
Total/NA	Analysis	8015B NM		1	248	02/12/21 10:53	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 20:32	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS79

Date Collected: 02/08/21 12:18

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-61

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 13:07	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 03:18	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 20:38	JM	XC

Client Sample ID: FS80

Date Collected: 02/08/21 12:20

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-62

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 13:29	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 04:17	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 20:43	JM	XC

Client Sample ID: FS81

Date Collected: 02/08/21 12:22

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-63

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 14:14	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 04:37	T1S	XC
Soluble	Leach	DI Leach			299	02/18/21 14:26		XC
Soluble	Analysis	300.0		50	295	02/18/21 16:02	A1S	XC

Client Sample ID: FS82

Date Collected: 02/08/21 12:11

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-64

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 14:37	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 04:57	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		10	218	02/09/21 21:06	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS83

Lab Sample ID: 890-160-65

Date Collected: 02/04/21 13:52

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 14:59	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 05:17	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		10	218	02/09/21 21:12	JM	XC

Client Sample ID: FS84

Lab Sample ID: 890-160-66

Date Collected: 02/08/21 12:14

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 15:22	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 05:56	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		10	218	02/09/21 21:18	JM	XC

Client Sample ID: FS85

Lab Sample ID: 890-160-67

Date Collected: 02/08/21 12:16

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 15:44	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 06:16	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		10	218	02/09/21 21:23	JM	XC

Client Sample ID: FS86

Lab Sample ID: 890-160-68

Date Collected: 02/08/21 12:17

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 16:06	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 06:36	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 21:29	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS87

Lab Sample ID: 890-160-69

Date Collected: 02/08/21 12:19

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 16:29	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 06:55	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 21:46	JM	XC

Client Sample ID: FS88

Lab Sample ID: 890-160-70

Date Collected: 02/08/21 12:21

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 16:51	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 07:15	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 21:52	JM	XC

Client Sample ID: FS89

Lab Sample ID: 890-160-71

Date Collected: 02/08/21 12:23

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 17:14	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 07:35	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:09	JM	XC

Client Sample ID: FS90

Lab Sample ID: 890-160-72

Date Collected: 02/08/21 12:26

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 17:59	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 07:54	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:14	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS91

Lab Sample ID: 890-160-73

Date Collected: 02/08/21 12:28

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 19:00	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 08:14	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:20	JM	XC

Client Sample ID: FS92

Lab Sample ID: 890-160-74

Date Collected: 02/08/21 12:29

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 19:23	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 08:34	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:26	JM	XC

Client Sample ID: FS93

Lab Sample ID: 890-160-75

Date Collected: 02/08/21 12:31

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 19:45	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 08:54	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:31	JM	XC

Client Sample ID: FS94

Lab Sample ID: 890-160-76

Date Collected: 02/08/21 12:32

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 20:07	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 09:33	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:37	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS95

Date Collected: 02/08/21 12:34

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-77

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			217	02/08/21 19:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 20:30	PXS	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 09:53	T1S	XC
Soluble	Leach	DI Leach			202	02/08/21 17:36		XC
Soluble	Analysis	300.0		20	218	02/09/21 22:43	JM	XC

Client Sample ID: FS96

Date Collected: 02/08/21 12:35

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-78

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/09/21 22:50	TAJ	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 10:13	T1S	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		50	218	02/09/21 23:17	JM	XC

Client Sample ID: FS97

Date Collected: 02/08/21 12:57

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-79

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/09/21 23:57	TAJ	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 10:33	T1S	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/09/21 23:34	JM	XC

Client Sample ID: FS98

Date Collected: 02/08/21 12:58

Date Received: 02/08/21 16:18

Lab Sample ID: 890-160-80

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 00:20	TAJ	XC
Total/NA	Prep	8015NM Prep			245	02/10/21 20:21		XC
Total/NA	Analysis	8015B NM		1	249	02/12/21 10:53	T1S	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		10	218	02/09/21 23:39	JM	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS99

Lab Sample ID: 890-160-81

Date Collected: 02/08/21 13:01

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 00:42	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 18:29	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/09/21 23:45	JM	XC

Client Sample ID: FS100

Lab Sample ID: 890-160-82

Date Collected: 02/08/21 13:02

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 01:04	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 19:29	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/09/21 23:51	JM	XC

Client Sample ID: FS101

Lab Sample ID: 890-160-83

Date Collected: 02/08/21 13:04

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 01:49	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 19:48	BJH	XC
Soluble	Leach	DI Leach			299	02/18/21 14:26		XC
Soluble	Analysis	300.0		50	295	02/18/21 16:07	A1S	XC

Client Sample ID: FS102

Lab Sample ID: 890-160-84

Date Collected: 02/08/21 13:05

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 02:12	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 20:08	BJH	XC
Soluble	Leach	DI Leach			299	02/18/21 14:26		XC
Soluble	Analysis	300.0		50	295	02/18/21 16:13	A1S	XC

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS103**Lab Sample ID: 890-160-85****Date Collected: 02/08/21 13:07****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 02:34	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 20:27	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 00:19	JM	XC

Client Sample ID: FS104**Lab Sample ID: 890-160-86****Date Collected: 02/08/21 13:08****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 02:57	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 21:06	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 00:25	JM	XC

Client Sample ID: FS105**Lab Sample ID: 890-160-87****Date Collected: 02/08/21 13:10****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 03:19	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 21:25	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 00:30	JM	XC

Client Sample ID: FS106**Lab Sample ID: 890-160-88****Date Collected: 02/08/21 13:12****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 03:42	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 21:44	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 00:36	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS107

Lab Sample ID: 890-160-89

Date Collected: 02/08/21 13:14

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 04:04	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 22:04	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 00:53	JM	XC

Client Sample ID: FS108

Lab Sample ID: 890-160-90

Date Collected: 02/08/21 13:15

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 04:26	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 22:23	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		50	218	02/10/21 00:59	JM	XC

Client Sample ID: FS109

Lab Sample ID: 890-160-91

Date Collected: 02/08/21 13:17

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 04:49	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 22:42	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 01:16	JM	XC

Client Sample ID: FS110

Lab Sample ID: 890-160-92

Date Collected: 02/08/21 13:18

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 05:12	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 23:02	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 01:21	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS111**Lab Sample ID: 890-160-93****Date Collected: 02/08/21 13:20****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 05:56	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 23:21	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		10	218	02/10/21 01:27	JM	XC

Client Sample ID: FS112**Lab Sample ID: 890-160-94****Date Collected: 02/08/21 13:22****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 06:19	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/12/21 23:40	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		10	218	02/10/21 01:33	JM	XC

Client Sample ID: FS113**Lab Sample ID: 890-160-95****Date Collected: 02/08/21 13:23****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 06:41	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/13/21 00:00	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		10	218	02/10/21 01:38	JM	XC

Client Sample ID: FS114**Lab Sample ID: 890-160-96****Date Collected: 02/08/21 13:27****Matrix: Solid****Date Received: 02/08/21 16:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 07:04	TAJ	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/13/21 00:38	BJH	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 01:44	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS115**Date Collected: 02/08/21 13:29****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-97****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			205	02/08/21 17:58		XC
Total/NA	Analysis	8021B		1	219	02/10/21 07:26	TAJ	XC
Total/NA	Prep	8015NM Prep			280	02/17/21 08:02		XC
Total/NA	Analysis	8015B NM		1	282	02/17/21 13:50	T1S	XC
Soluble	Leach	DI Leach			204	02/08/21 17:48		XC
Soluble	Analysis	300.0		20	218	02/10/21 01:50	JM	XC

Client Sample ID: FS116**Date Collected: 02/08/21 13:30****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-98****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			206	02/08/21 18:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 22:22	PXS	XC
Total/NA	Prep	8015NM Prep			246	02/10/21 20:29		XC
Total/NA	Analysis	8015B NM		1	262	02/13/21 01:17	BJH	XC
Soluble	Leach	DI Leach			207	02/09/21 12:01		XC
Soluble	Analysis	300.0		20	218	02/10/21 02:24	JM	XC

Client Sample ID: FS117**Date Collected: 02/08/21 13:32****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-99****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			206	02/08/21 18:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 23:29	PXS	XC
Total/NA	Prep	8015NM Prep			237	02/10/21 11:14		XC
Total/NA	Analysis	8015B NM		1	233	02/11/21 12:06	T1S	XC
Soluble	Leach	DI Leach			207	02/09/21 12:01		XC
Soluble	Analysis	300.0		20	218	02/10/21 02:41	JM	XC

Client Sample ID: FS118**Date Collected: 02/08/21 13:34****Date Received: 02/08/21 16:18****Lab Sample ID: 890-160-100****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			206	02/08/21 18:00		XC
Total/NA	Analysis	8021B		1	220	02/09/21 23:52	PXS	XC
Total/NA	Prep	8015NM Prep			237	02/10/21 11:14		XC
Total/NA	Analysis	8015B NM		1	233	02/11/21 12:26	T1S	XC
Soluble	Leach	DI Leach			207	02/09/21 12:01		XC
Soluble	Analysis	300.0		20	218	02/10/21 02:46	JM	XC

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Client Sample ID: FS119

Lab Sample ID: 890-160-101

Date Collected: 02/08/21 13:36

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			206	02/08/21 18:00		XC
Total/NA	Analysis	8021B		1	220	02/10/21 00:14	PXS	XC
Total/NA	Prep	8015NM Prep			223	02/09/21 18:09		XC
Total/NA	Analysis	8015B NM		1	224	02/10/21 14:18	UJ3K	XC
Soluble	Leach	DI Leach			207	02/09/21 12:01		XC
Soluble	Analysis	300.0		10	218	02/10/21 02:52	JM	XC

Client Sample ID: FS120

Lab Sample ID: 890-160-102

Date Collected: 02/08/21 13:37

Matrix: Solid

Date Received: 02/08/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			206	02/08/21 18:00		XC
Total/NA	Analysis	8021B		1	220	02/10/21 00:37	PXS	XC
Total/NA	Prep	8015NM Prep			223	02/09/21 18:09		XC
Total/NA	Analysis	8015B NM		1	224	02/10/21 14:39	UJ3K	XC
Soluble	Leach	DI Leach			207	02/09/21 12:01		XC
Soluble	Analysis	300.0		10	218	02/10/21 02:58	JM	XC

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Laboratory: Eurofins Xenco, Carlsbad

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

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	05092	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	5030C	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
5030C	Purge and Trap	SW846	XC
8015NM Prep	Microextraction	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

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-160-1	FS19	Solid	02/08/21 09:05	02/08/21 16:18	
890-160-2	FS20	Solid	02/08/21 09:07	02/08/21 16:18	
890-160-3	FS21	Solid	02/08/21 09:09	02/08/21 16:18	
890-160-4	FS22	Solid	02/08/21 09:10	02/08/21 16:18	
890-160-5	FS23	Solid	02/08/21 09:12	02/08/21 16:18	
890-160-6	FS24	Solid	02/08/21 09:15	02/08/21 16:18	
890-160-7	FS25	Solid	02/08/21 09:17	02/08/21 16:18	
890-160-8	FS26	Solid	02/08/21 09:20	02/08/21 16:18	
890-160-9	FS27	Solid	02/08/21 09:22	02/08/21 16:18	
890-160-10	FS28	Solid	02/08/21 09:23	02/08/21 16:18	
890-160-11	FS29	Solid	02/08/21 09:20	02/08/21 16:18	
890-160-12	FS30	Solid	02/08/21 09:21	02/08/21 16:18	
890-160-13	FS31	Solid	02/08/21 09:23	02/08/21 16:18	
890-160-14	FS32	Solid	02/08/21 09:27	02/08/21 16:18	
890-160-15	FS33	Solid	02/08/21 09:30	02/08/21 16:18	
890-160-16	FS34	Solid	02/08/21 09:27	02/08/21 16:18	
890-160-17	FS35	Solid	02/08/21 09:30	02/08/21 16:18	
890-160-18	FS36	Solid	02/04/21 13:36	02/08/21 16:18	
890-160-19	FS37	Solid	02/08/21 09:33	02/08/21 16:18	
890-160-20	FS38	Solid	02/08/21 09:35	02/08/21 16:18	
890-160-21	FS39	Solid	02/08/21 09:37	02/08/21 16:18	
890-160-22	FS40	Solid	02/08/21 09:39	02/08/21 16:18	
890-160-23	FS41	Solid	02/08/21 09:41	02/08/21 16:18	
890-160-24	FS42	Solid	02/04/21 13:47	02/08/21 16:18	
890-160-25	FS43	Solid	02/04/21 13:34	02/08/21 16:18	
890-160-26	FS44	Solid	02/04/21 13:38	02/08/21 16:18	
890-160-27	FS45	Solid	02/08/21 09:43	02/08/21 16:18	
890-160-28	FS46	Solid	02/08/21 09:45	02/08/21 16:18	
890-160-29	FS47	Solid	02/08/21 09:46	02/08/21 16:18	
890-160-30	FS48	Solid	02/08/21 09:48	02/08/21 16:18	
890-160-31	FS49	Solid	02/08/21 10:17	02/08/21 16:18	
890-160-32	FS50	Solid	02/08/21 10:19	02/08/21 16:18	
890-160-33	FS51	Solid	02/04/21 13:40	02/08/21 16:18	
890-160-34	FS52	Solid	02/08/21 10:21	02/08/21 16:18	
890-160-35	FS53	Solid	02/08/21 10:23	02/08/21 16:18	
890-160-36	FS54	Solid	02/08/21 10:25	02/08/21 16:18	
890-160-37	FS55	Solid	02/08/21 10:26	02/08/21 16:18	
890-160-38	FS56	Solid	02/08/21 10:28	02/08/21 16:18	
890-160-39	FS57	Solid	02/08/21 10:29	02/08/21 16:18	
890-160-40	FS58	Solid	02/08/21 10:31	02/08/21 16:18	
890-160-41	FS59	Solid	02/08/21 10:34	02/08/21 16:18	
890-160-42	FS60	Solid	02/08/21 10:36	02/08/21 16:18	
890-160-43	FS61	Solid	02/08/21 10:38	02/08/21 16:18	
890-160-44	FS62	Solid	02/08/21 10:39	02/08/21 16:18	
890-160-45	FS63	Solid	02/08/21 10:41	02/08/21 16:18	
890-160-46	FS64	Solid	02/08/21 10:42	02/08/21 16:18	
890-160-47	FS65	Solid	02/08/21 10:44	02/08/21 16:18	
890-160-48	FS66	Solid	02/08/21 10:46	02/08/21 16:18	
890-160-49	FS67	Solid	02/08/21 10:47	02/08/21 16:18	
890-160-50	FS68	Solid	02/04/21 13:55	02/08/21 16:18	
890-160-51	FS69	Solid	02/08/21 10:49	02/08/21 16:18	
890-160-52	FS70	Solid	02/08/21 10:50	02/08/21 16:18	
890-160-53	FS71	Solid	02/08/21 10:53	02/08/21 16:18	

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-160-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-160-54	FS72	Solid	02/08/21 10:55	02/08/21 16:18	
890-160-55	FS73	Solid	02/08/21 12:10	02/08/21 16:18	
890-160-56	FS74	Solid	02/08/21 12:12	02/08/21 16:18	
890-160-57	FS75	Solid	02/04/21 13:54	02/08/21 16:18	
890-160-58	FS76	Solid	02/04/21 13:49	02/08/21 16:18	
890-160-59	FS77	Solid	02/04/21 13:37	02/08/21 16:18	
890-160-60	FS78	Solid	02/08/21 12:16	02/08/21 16:18	
890-160-61	FS79	Solid	02/08/21 12:18	02/08/21 16:18	
890-160-62	FS80	Solid	02/08/21 12:20	02/08/21 16:18	
890-160-63	FS81	Solid	02/08/21 12:22	02/08/21 16:18	
890-160-64	FS82	Solid	02/08/21 12:11	02/08/21 16:18	
890-160-65	FS83	Solid	02/04/21 13:52	02/08/21 16:18	
890-160-66	FS84	Solid	02/08/21 12:14	02/08/21 16:18	
890-160-67	FS85	Solid	02/08/21 12:16	02/08/21 16:18	
890-160-68	FS86	Solid	02/08/21 12:17	02/08/21 16:18	
890-160-69	FS87	Solid	02/08/21 12:19	02/08/21 16:18	
890-160-70	FS88	Solid	02/08/21 12:21	02/08/21 16:18	
890-160-71	FS89	Solid	02/08/21 12:23	02/08/21 16:18	
890-160-72	FS90	Solid	02/08/21 12:26	02/08/21 16:18	
890-160-73	FS91	Solid	02/08/21 12:28	02/08/21 16:18	
890-160-74	FS92	Solid	02/08/21 12:29	02/08/21 16:18	
890-160-75	FS93	Solid	02/08/21 12:31	02/08/21 16:18	
890-160-76	FS94	Solid	02/08/21 12:32	02/08/21 16:18	
890-160-77	FS95	Solid	02/08/21 12:34	02/08/21 16:18	
890-160-78	FS96	Solid	02/08/21 12:35	02/08/21 16:18	
890-160-79	FS97	Solid	02/08/21 12:57	02/08/21 16:18	
890-160-80	FS98	Solid	02/08/21 12:58	02/08/21 16:18	
890-160-81	FS99	Solid	02/08/21 13:01	02/08/21 16:18	
890-160-82	FS100	Solid	02/08/21 13:02	02/08/21 16:18	
890-160-83	FS101	Solid	02/08/21 13:04	02/08/21 16:18	
890-160-84	FS102	Solid	02/08/21 13:05	02/08/21 16:18	
890-160-85	FS103	Solid	02/08/21 13:07	02/08/21 16:18	
890-160-86	FS104	Solid	02/08/21 13:08	02/08/21 16:18	
890-160-87	FS105	Solid	02/08/21 13:10	02/08/21 16:18	
890-160-88	FS106	Solid	02/08/21 13:12	02/08/21 16:18	
890-160-89	FS107	Solid	02/08/21 13:14	02/08/21 16:18	
890-160-90	FS108	Solid	02/08/21 13:15	02/08/21 16:18	
890-160-91	FS109	Solid	02/08/21 13:17	02/08/21 16:18	
890-160-92	FS110	Solid	02/08/21 13:18	02/08/21 16:18	
890-160-93	FS111	Solid	02/08/21 13:20	02/08/21 16:18	
890-160-94	FS112	Solid	02/08/21 13:22	02/08/21 16:18	
890-160-95	FS113	Solid	02/08/21 13:23	02/08/21 16:18	
890-160-96	FS114	Solid	02/08/21 13:27	02/08/21 16:18	
890-160-97	FS115	Solid	02/08/21 13:29	02/08/21 16:18	
890-160-98	FS116	Solid	02/08/21 13:30	02/08/21 16:18	
890-160-99	FS117	Solid	02/08/21 13:32	02/08/21 16:18	
890-160-100	FS118	Solid	02/08/21 13:34	02/08/21 16:18	
890-160-101	FS119	Solid	02/08/21 13:36	02/08/21 16:18	
890-160-102	FS120	Solid	02/08/21 13:37	02/08/21 16:18	

Eurofins Xenco, Carlsbad



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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 11

Project Manager: Kalei Jennings
Company Name: WSP USA Inc., Permian office
Address: 3300 North A Street
City, State ZIP: Midland, TX 79705
Phone: (432) 236-3849
Email: will.mather@wsp.com, kalei.jennings@wsp.com, ltavarez@concho.com

Bill To: (if different)

Ike Tavarez

Company Name: Concho Operating

Address:

City, State ZIP:

Project Name: Stovepipe Release
Project Number: Routine ☐
P. O. Number: Lea Rush: 3day CI
Sampler's Name: William Mather Due Date:

ANALYSIS REQUEST

Work Order Notes

Work Order Comments

Program: UST/PST ☐ RP ☐ Rowfields ☐ RC ☐ perfund ☐
State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐
Reporting Level II ☐ Level III ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: ☐



890-160 Chain of Custody

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

Sample Comments

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0-8021)	Chloride (EPA 300.0)	Sample Comments
F519	s	2/2/21	9:05	4'	1	x	x	x	Composite
F520	s	9:07	4'	1	x	x	x	x	Composite
F521	s	9:09	4'	1	x	x	x	x	Composite
F522	s	9:10	4'	1	x	x	x	x	Composite
F523	s	9:12	4'	1	x	x	x	x	Composite
F524	s	9:15	4'	1	x	x	x	x	Composite
F525	s	9:17	4'	1	x	x	x	x	Composite
F526	s	9:18	4'	1	x	x	x	x	Composite
F527	s	9:18	4'	1	x	x	x	x	Composite
F528	s	9:18	4'	1	x	x	x	x	Composite

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

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 Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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
<i>[Signature]</i>	<i>[Signature]</i>	28.21 11/18			



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Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 392-7550
Hobbs, NM (505) 392-7550

Work Order No: _____

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Chain of Custody

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Work Order Comments	
Program: UST/PST	☐ RP ☐ Growthfields ☐ RC ☐ \$perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RP ☐ pvel IV ☐
Deliverables: EDD	☐ ADAPT ☐ Other:

[illegible][illegible]

Total	200.7 / 6010	200.8 / 6020:	Circle Method(s) and Metal(s) to be analyzed
8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
TCLP / SPLP	6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	1631 / 245.1 / 7470 / 7477: Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2.8.21 1618			

Revised Date 03/11/18 Rev 2018



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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)

Chain of Custody

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: ☐ UST/PST ☐ RP ☐ Growfields ☐ RC ☐ Deepfund ☐
State of Project:
Reporting Level: ☐ I ☐ II ☐ III ☐ ST/UST ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other: _____

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine ☐	
P.O. Number:	Leea	Rush:	
Sampler's Name:	William Mather	Due Date:	
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):		Wet last:	Yes No
Received intact:	Yes No	Thermometer ID	
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	ANALYSIS REQUEST																Work Order Notes	
FS39	S	2/8/21	9:37	4'	1	X	X	X	X												Composite	
FS40	S	2/8/21	9:39	4'	1	X	X	X	X												Composite	
FS41	S	2/8/21	9:41	4'	1	X	X	X	X												Composite	
FS42	S	2/8/21	13:47	4'	1	X	X	X	X												Composite	
FS43	S	2/8/21	13:34	4'	1	X	X	X	X												Composite	
FS44	S	2/8/21	13:38	4'	1	X	X	X	X												Composite	
FS45	S	2/8/21	9:43	4'	1	X	X	X	X												Composite	
FS46	S	2/8/21	9:45	4'	1	X	X	X	X												Composite	
FS47	S	2/8/21	9:46	4'	1	X	X	X	X												Composite	
FS48	S	2/8/21	9:48	4'	1	X	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 Ti 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 TI U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Cue Opts	2-8-21 1618			



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Chain of Custody

Work Order No: _____

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Page 4 of 11

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

Program: ☐ UT/PT ☐ RP ☐ Growthfields ☐ RC ☐ Fund ☐
State of Project:
Reporting Level: ☐ Level II ☐ Level III ☐ ST/UT ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine ☐	
P.O. Number:	Leea	Rush:	
Sampler's Name:	William Mather	Due Date:	
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):		Wetted:	Yes
Received In tact:	Yes	No	
Cooler Custody Seals:	Yes	No	
Sample Custody Seals:	Yes	No	
	Correction Factor:		
	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST																Work Order Notes	
					Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)														
F349	S	2/8/21	10:17	4'	1	X	X	X													Composite	TAT starts the day received by the lab, if received by 4:30pm
F350	S	2/8/21	10:19	4'	1	X	X	X													Composite	
F351	S	2/4/21	13:40	4'	1	X	X	X													Composite	
F352	S	2/8/21	10:21	4'	1	X	X	X													Composite	
F353	S	10/23	10:23	4'	1	X	X	X													Composite	
F354	S	10/25	10:25	4'	1	X	X	X													Composite	
F355	S	10/26	10:26	4'	1	X	X	X													Composite	
F356	S	10/28	10:28	4'	1	X	X	X													Composite	
F357	S	10/29	10:29	4'	1	X	X	X													Composite	
F358	S	10/31	10:31	4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/8/21 16:18			2
					4
					6



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
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Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8600) Tampa, FL (813-291-1111)

Chain of Custody

Work Order No:

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Page 5 of 11

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Work Order Comments				
Program: UST/PST	☐ RP	☐ Growfields	☐ RC	☐ Superfund
State of Project:				
Reporting Level II	☐ Level III	☐ ST/UST	☐ RP	☐ Level IV
Deliverables: EDD	☐	ADAPT	☐	Other:

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST					Work Order Notes
Project Number:		Routine ☐						
P.O. Number:	Lea	Rush:						
Sampler's Name:	William Mather	Due Date:						

SAMPLE RECEIPT		Temp Blank:	Yes	No	Well(s):	Yes	No
Temperature (°C):		Thermometer ID					
Received intact:	Yes	No	<i>See Page 1</i>				
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:			
Sample Custody Seals:	Yes	No	N/A	Total Containers:			

Number of Containers

PA 8015)

EPA 0=8021)

le (EPA 300.0)

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

[illegible]

Total	200.7 / 6010	200.8 / 6020:	Circle Method(s) and Metal(s) to be analyzed																											
8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
TCLP / SPLP	6010:	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U												
			1631 / 245.1 / 7470 / 7471 : H ₂ O																											

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2-8-21 1618	2		
			4		
			6		



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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

Chain of Custody

Work Order No: _____

www.xenco.com Page 16 of 11

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

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

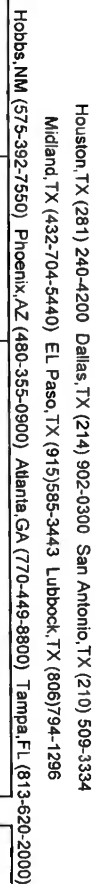
Project Name:	Stovepipe Release	Turn Around		ANALYSIS REQUEST	Work Order Notes
Project Number:		Routine ☐			
P.O. Number:	Lea	Rush:			
Sampler's Name:	William Mather	Due Date:			
SAMPLE RECEIPT					
Temperature (°C):		Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID	See Page 1		
Cooler Custody Seal:	Yes No	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)									
F569	S	2/8/21	10:49	4'	1	X	X	X								Composite
F570	S		10:50	4'	1	X	X	X								Composite
F571	S		10:53	4'	1	X	X	X								Composite
F572	S		10:55	4'	1	X	X	X								Composite
F573	S		12:10	4'	1	X	X	X								Composite
F574	S		12:12	4'	1	X	X	X								Composite
F575	S		2/4/21	13:54	4'	1	X	X								Composite
F576	S		13:49	4'	1	X	X	X								Composite
F577	S		13:57	4'	1	X	X	X								Composite
F578	S	2/8/21	12:16	4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2-8-21 16:18			



Work Order No:

Work Order Comments									
Program: UST/ST		☐ RP	☐ Growfields	☐ RC	☐ \$perfund	☐			
State of Project:									
Reporting Level II		☐ Level III	☐ ST/UST	☐ RP	☒ Level IV	☐			
Deliverables: EDD		☐	ADaPT	☐	Other:				

[illegible]

Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	200.7 / 6010	Total
8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn			
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U			
	1631 / 245.1 / 7470 / 7471 : Hg		

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2-8-21 16:18			

Revised Date 05/14/18 Row 2018



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

Chain of Custody

Work Order No: _____

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Page

8 of 11

Project Manager: Kalei Jennings Bill to: (if different) Ike Tavares

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, itavares@concho.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Groundfields ☐ RC ☐ Spentfund ☐
 State of Project:

Reporting Level II ☐ Level III ☐ F/T/UST ☐ RP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name: Stovepipe Release Turn Around

Project Number: 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 Correction Factor: *see page 1*

Cooler Custody Seals: Yes No N/A Total Containers:

Sample Custody Seals: Yes No N/A

Sample Identification Matrix Date Sampled Time Sampled Depth

FS89 S 2/8/21 12:23 4' 1

FS90 S 12:26 4' 1

FS91 S 12:28 4' 1

FS92 S 12:29 4' 1

FS93 S 12:31 4' 1

FS94 S 12:32 4' 1

FS95 S 12:34 4' 1

FS96 S 12:35 4' 1

FS97 S 12:57 4' 1

FS98 S 12:58 4' 1

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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Date/Time

1 *[Signature]* *[Signature]* 28-21 16/18 2

3 *[Signature]* *[Signature]* 4

5 *[Signature]* *[Signature]* 6

Sample Comments

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

Composite

Composite

Composite

Composite

Composite

Composite

Composite

Composite

Composite

Composite

Composite



Chain of Custody

Work Order No: _____

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 Hobbs, NM (505-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

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Page 9 of 11

Project Manager:	Kaler Jennings	Bill to: (if different)	Ike Tavaraz
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, kaler.jennings@wsp.com, itavaraz@concho.com

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

Project Name:	Stovepipe Release	Turn Around		ANALYSIS REQUEST	Work Order Notes
Project Number:		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 In tact:	Yes No	Correction Factor:			
Cooler Custody Seals:	Yes No	Total Containers:			
Sample Custody Seals:	Yes No				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers											
					1	TPH (EPA 8015)										
					1	BTEX (EPA 0-8021)										
					1	Chloride (EPA 300.0)										
PS09	S	2/8/21	13:01	4'	1	X	X	X								Composite
PS100	S		13:02	4'	1	X	X	X								Composite
PS101	S		13:04	4'	1	X	X	X								Composite
PS102	S		13:05	4'	1	X	X	X								Composite
PS103	S		13:07	4'	1	X	X	X								Composite
PS104	S		13:08	4'	1	X	X	X								Composite
PS105	S		13:10	4'	1	X	X	X								Composite
PS106	S		13:12	4'	1	X	X	X								Composite
PS107	S		13:14	4'	1	X	X	X								Composite
PS108	S		13:15	4'	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 Ti 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 Ti U

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2-8-21 11:18			



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)

Chain of Custody

Work Order No: _____

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Page 10 of 11

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: ☐ UST/PST ☐ RP ☐ Growfields ☐ RC ☐ Fund ☐
State of Project:
Reporting Level: ☐ Level II ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine ☐	
P.O. Number:	Leea	Rush:	
Sampler's Name:	William Mather	Due Date:	
SAMPLE RECEIPT	Temp Blank:	Yes	No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes	No	See tags
Cooler Custody Seals:	Yes	No	Correction Factor:
Sample Custody Seals:	Yes	No	Total Containers:

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers												
					TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)										
FS109	S	12/8/21	13:17	4'	1	X	X	X									Composite
FS110	S		13:18	4'	1	X	X	X									Composite
FS111	S		13:20	4'	1	X	X	X									Composite
FS112	S		13:22	4'	1	X	X	X									Composite
FS113	S		13:23	4'	1	X	X	X									Composite
FS114	S		13:27	4'	1	X	X	X									Composite
FS115	S		13:29	4'	1	X	X	X									Composite
FS116	S		13:30	4'	1	X	X	X									Composite
FS117	S		13:32	4'	1	X	X	X									Composite
FS118	S		13:34	4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2.8.21 16:18			



Chain of Custody

Work Order No: _____

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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Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavares
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, itavares@concho.com

Work Order Comments Program: ☐ UST/PST ☐ RP ☐ Growfields ☐ RC ☐ Deepfund ☐ State of Project: ☐ Level II ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐ Reporting: ☐ Level II ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other: _____	
---	--

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine ☐	
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	
SAMPLE RECEIPT			
Temperature (°C):		Temp Blank:	Yes No Wet Ice: Yes No
Received In tact:	Yes No	Thermometer ID	
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
PS119	s	8/28/21	13:34
PS1A0	s	8/28/21	13:37
Number of Containers			
TPH (EPA 8015)			
BTEX (EPA 0-8021)			
Chloride (EPA 300.0)			
ANALYSIS REQUEST			
Work Order Notes			
TAT starts the day received by the lab, if received by 4:30pm			
Sample Comments			
Composite			
Composite			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		28.2.16.18			2
					4
					6

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-160-1

SDG Number:

Login Number: 160**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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-167-1

Laboratory Sample Delivery Group: 31402909.02

Client Project/Site: Stovepipe Release

Revision: 1

For:

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

Attn: Kalei Jennings

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

Authorized for release by:
3/1/2021 11:20:51 AM

Jessica Kramer, Project Manager
(432)704-5440
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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-167-1
SDG: 31402909.02

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Job ID: 890-167-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-167-1

Receipt

The samples were received on 2/9/2021 2:12 PM; 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 890-225 and analytical batch 890-239 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS01

Lab Sample ID: 890-167-1

Date Collected: 02/04/21 14:45

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/10/21 22:47	1
Ethylbenzene	0.00796		0.00202		mg/Kg		02/10/21 09:22	02/10/21 22:47	1
Toluene	0.0509		0.00202		mg/Kg		02/10/21 09:22	02/10/21 22:47	1
Total BTEX	0.124		0.00202		mg/Kg		02/10/21 09:22	02/10/21 22:47	1
Xylenes, Total	0.0656		0.00202		mg/Kg		02/10/21 09:22	02/10/21 22:47	1
m,p-Xylenes	0.0552	F1	0.00403		mg/Kg		02/10/21 09:22	02/10/21 22:47	1
o-Xylene	0.0104	F1	0.00202		mg/Kg		02/10/21 09:22	02/10/21 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130	02/10/21 09:22	02/10/21 22:47	1
4-Bromofluorobenzene (Surr)	97		70 - 130	02/10/21 09:22	02/10/21 22:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		9.96		mg/Kg			02/10/21 18:21	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 135	02/11/21 12:00	02/11/21 12:39	1
o-Terphenyl	130		70 - 135	02/11/21 12:00	02/11/21 12:39	1

Client Sample ID: FS02

Lab Sample ID: 890-167-2

Date Collected: 02/04/21 14:50

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/10/21 23:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 23:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 23:54	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 23:54	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 23:54	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:22	02/10/21 23:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/10/21 09:22	02/10/21 23:54	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/10/21 09:22	02/10/21 23:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3930		99.6		mg/Kg			02/10/21 18:27	10

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 13:42	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS02

Lab Sample ID: 890-167-2

Date Collected: 02/04/21 14:50

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Motor Oil Range Hydrocarbons (MRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Total TPH	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 135				02/11/21 12:00	02/11/21 13:42	1
o-Terphenyl	123		70 - 135				02/11/21 12:00	02/11/21 13:42	1

Client Sample ID: FS03

Lab Sample ID: 890-167-3

Date Collected: 02/04/21 14:52

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 00:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/10/21 09:22	02/11/21 00:17	1
4-Bromofluorobenzene (Surr)	110		70 - 130				02/10/21 09:22	02/11/21 00:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13000		198		mg/Kg			02/10/21 19:01	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 135				02/11/21 12:00	02/11/21 14:03	1
o-Terphenyl	130		70 - 135				02/11/21 12:00	02/11/21 14:03	1

Client Sample ID: FS04

Lab Sample ID: 890-167-4

Date Collected: 02/04/21 14:55

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 00:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/21 09:22	02/11/21 00:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/21 09:22	02/11/21 00:39	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		02/10/21 09:22	02/11/21 00:39	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		02/10/21 09:22	02/11/21 00:39	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS04

Lab Sample ID: 890-167-4

Date Collected: 02/04/21 14:55

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/10/21 09:22	02/11/21 00:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/21 09:22	02/11/21 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130				02/10/21 09:22	02/11/21 00:39	1
4-Bromofluorobenzene (Surr)	103		70 - 130				02/10/21 09:22	02/11/21 00:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		10.0		mg/Kg			02/10/21 19:19	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 135				02/11/21 12:00	02/11/21 14:24	1
o-Terphenyl	128		70 - 135				02/11/21 12:00	02/11/21 14:24	1

Client Sample ID: FS05

Lab Sample ID: 890-167-5

Date Collected: 02/04/21 14:30

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 01:02	1
Ethylbenzene	0.00546		0.00200		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
Toluene	0.0103		0.00200		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
Total BTEX	0.0488		0.00200		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
Xylenes, Total	0.0330		0.00200		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
m,p-Xylenes	0.0250		0.00399		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
o-Xylene	0.00804		0.00200		mg/Kg		02/10/21 09:22	02/11/21 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130				02/10/21 09:22	02/11/21 01:02	1
4-Bromofluorobenzene (Surr)	104		70 - 130				02/10/21 09:22	02/11/21 01:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.4		10.1		mg/Kg			02/10/21 19:24	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS05

Lab Sample ID: 890-167-5

Date Collected: 02/04/21 14:30

Matrix: Solid

Date Received: 02/09/21 14:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 135	02/11/21 12:00	02/11/21 14:46	1
o-Terphenyl	115		70 - 135	02/11/21 12:00	02/11/21 14:46	1

Client Sample ID: FS06

Lab Sample ID: 890-167-6

Date Collected: 02/04/21 14:52

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 01:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/10/21 09:22	02/11/21 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/10/21 09:22	02/11/21 01:46	1
4-Bromofluorobenzene (Surr)	108		70 - 130				02/10/21 09:22	02/11/21 01:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7000		200		mg/Kg			02/11/21 20:47	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Total TPH	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 135				02/11/21 12:00	02/11/21 15:08	1
o-Terphenyl	130		70 - 135				02/11/21 12:00	02/11/21 15:08	1

Client Sample ID: FS07

Lab Sample ID: 890-167-7

Date Collected: 02/04/21 14:54

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/10/21 09:22	02/11/21 02:09	

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS07

Lab Sample ID: 890-167-7

Date Collected: 02/04/21 14:54

Matrix: Solid

Date Received: 02/09/21 14:12

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/10/21 09:22	02/11/21 02:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	617		9.98		mg/Kg			02/10/21 19:47	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Gasoline Range Hydrocarbons (GRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Motor Oil Range Hydrocarbons (MRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Total TPH	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 135	02/11/21 12:00	02/11/21 15:29	1
o-Terphenyl	125		70 - 135	02/11/21 12:00	02/11/21 15:29	1

Client Sample ID: FS08

Lab Sample ID: 890-167-8

Date Collected: 02/04/21 14:36

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 02:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:31	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:31	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:31	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:22	02/11/21 02:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/10/21 09:22	02/11/21 02:31	1
4-Bromofluorobenzene (Surr)	107		70 - 130	02/10/21 09:22	02/11/21 02:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1790		99.4		mg/Kg			02/10/21 19:53	10

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 135	02/11/21 12:00	02/11/21 15:50	1
o-Terphenyl	126		70 - 135	02/11/21 12:00	02/11/21 15:50	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS09

Lab Sample ID: 890-167-9

Date Collected: 02/04/21 14:57

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 02:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/10/21 09:22	02/11/21 02:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/10/21 09:22	02/11/21 02:54	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/10/21 09:22	02/11/21 02:54	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/10/21 09:22	02/11/21 02:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/10/21 09:22	02/11/21 02:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/10/21 09:22	02/11/21 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/10/21 09:22	02/11/21 02:54	1
4-Bromofluorobenzene (Surr)	110		70 - 130	02/10/21 09:22	02/11/21 02:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7690		199		mg/Kg			02/10/21 19:58	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 135	02/11/21 12:00	02/11/21 16:12	1
o-Terphenyl	73		70 - 135	02/11/21 12:00	02/11/21 16:12	1

Client Sample ID: FS10

Lab Sample ID: 890-167-10

Date Collected: 02/04/21 15:00

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 03:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:16	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:16	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:16	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/10/21 09:22	02/11/21 03:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/10/21 09:22	02/11/21 03:16	1
4-Bromofluorobenzene (Surr)	113		70 - 130	02/10/21 09:22	02/11/21 03:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9840		200		mg/Kg			02/10/21 20:04	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 16:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS10

Date Collected: 02/04/21 15:00

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Total TPH	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 135				02/11/21 12:00	02/11/21 16:34	1
o-Terphenyl	127		70 - 135				02/11/21 12:00	02/11/21 16:34	1

Client Sample ID: FS11

Date Collected: 02/04/21 15:02

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-11

Matrix: Solid

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		02/10/21 09:22	02/11/21 03:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130				02/10/21 09:22	02/11/21 03:39	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/10/21 09:22	02/11/21 03:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18200		199		mg/Kg			02/10/21 20:10	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 135				02/11/21 12:00	02/11/21 17:17	1
o-Terphenyl	126		70 - 135				02/11/21 12:00	02/11/21 17:17	1

Client Sample ID: FS12

Date Collected: 02/04/21 15:05

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
Ethylbenzene	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
Toluene	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
Total BTEX	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
Xylenes, Total	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS12

Lab Sample ID: 890-167-12

Date Collected: 02/04/21 15:05

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.0213	U	0.0213		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
o-Xylene	<0.0106	U	0.0106		mg/Kg		02/10/21 09:22	02/11/21 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/10/21 09:22	02/11/21 04:01	1
4-Bromofluorobenzene (Surr)	108		70 - 130				02/10/21 09:22	02/11/21 04:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11700		200		mg/Kg			02/10/21 20:15	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 135				02/11/21 12:00	02/11/21 17:39	1
o-Terphenyl	128		70 - 135				02/11/21 12:00	02/11/21 17:39	1

Client Sample ID: FS13

Lab Sample ID: 890-167-13

Date Collected: 02/04/21 15:02

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 04:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/10/21 09:22	02/11/21 04:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130				02/10/21 09:22	02/11/21 04:24	1
4-Bromofluorobenzene (Surr)	106		70 - 130				02/10/21 09:22	02/11/21 04:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8570		199		mg/Kg			02/10/21 20:21	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Total TPH	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 18:00	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS13

Date Collected: 02/04/21 15:02

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-13

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 135	02/11/21 12:00	02/11/21 18:00	1
o-Terphenyl	134		70 - 135	02/11/21 12:00	02/11/21 18:00	1

Client Sample ID: FS14

Date Collected: 02/04/21 15:03

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-14

Matrix: Solid

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		02/10/21 09:22	02/11/21 04:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130				02/10/21 09:22	02/11/21 04:46	1
4-Bromofluorobenzene (Surr)	107		70 - 130				02/10/21 09:22	02/11/21 04:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9670		200		mg/Kg			02/10/21 20:38	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Gasoline Range Hydrocarbons (GRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Motor Oil Range Hydrocarbons (MRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Total TPH	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 135				02/11/21 12:00	02/11/21 18:22	1
o-Terphenyl	72		70 - 135				02/11/21 12:00	02/11/21 18:22	1

Client Sample ID: FS15

Date Collected: 02/04/21 15:05

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
Ethylbenzene	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
Toluene	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
Total BTEX	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
Xylenes, Total	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
m,p-Xylenes	<0.0204	U	0.0204		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
o-Xylene	<0.0102	U	0.0102		mg/Kg		02/10/21 09:22	02/11/21 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	110		70 - 130				02/10/21 09:22	02/11/21 05:08	

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS15

Date Collected: 02/04/21 15:05

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-15

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/10/21 09:22	02/11/21 05:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		9.94		mg/Kg			02/10/21 20:56	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135	02/11/21 12:00	02/11/21 18:44	1
o-Terphenyl	70		70 - 135	02/11/21 12:00	02/11/21 18:44	1

Client Sample ID: FS16

Date Collected: 02/04/21 14:57

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-16

Matrix: Solid

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		02/11/21 17:04	02/12/21 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 13:19	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 13:19	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 13:19	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/11/21 17:04	02/12/21 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	94		70 - 130	02/11/21 17:04	02/12/21 13:19	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/11/21 17:04	02/12/21 13:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		199		mg/Kg			02/10/21 21:01	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Total TPH	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 135	02/11/21 12:00	02/11/21 19:05	1
o-Terphenyl	128		70 - 135	02/11/21 12:00	02/11/21 19:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS17

Lab Sample ID: 890-167-17

Date Collected: 02/04/21 14:59

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
Ethylbenzene	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
Toluene	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
Total BTEX	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
Xylenes, Total	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
m,p-Xylenes	<0.0194	U	0.0194		mg/Kg		02/10/21 09:22	02/11/21 11:58	1
o-Xylene	<0.00971	U	0.00971		mg/Kg		02/10/21 09:22	02/11/21 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/10/21 09:22	02/11/21 11:58	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/10/21 09:22	02/11/21 11:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		202		mg/Kg			02/10/21 21:07	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 135	02/11/21 12:00	02/11/21 19:26	1
o-Terphenyl	127		70 - 135	02/11/21 12:00	02/11/21 19:26	1

Client Sample ID: FS18

Lab Sample ID: 890-167-18

Date Collected: 02/04/21 15:00

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 09:22	02/11/21 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:21	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:21	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/10/21 09:22	02/11/21 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	02/10/21 09:22	02/11/21 12:21	1
4-Bromofluorobenzene (Surr)	112		70 - 130	02/10/21 09:22	02/11/21 12:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		202		mg/Kg			02/10/21 21:13	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 19:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS18

Date Collected: 02/04/21 15:00

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Motor Oil Range Hydrocarbons (MRO)	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Total TPH	<49.8		49.8		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 135				02/11/21 12:00	02/11/21 19:48	1
o-Terphenyl	132		70 - 135				02/11/21 12:00	02/11/21 19:48	1

Client Sample ID: SW11

Date Collected: 02/04/21 11:20

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-19

Matrix: Solid

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		02/10/21 09:22	02/11/21 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130				02/10/21 09:22	02/11/21 12:43	1
4-Bromofluorobenzene (Surr)	100		70 - 130				02/10/21 09:22	02/11/21 12:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	418		10.1		mg/Kg			02/10/21 21:19	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Total TPH	<49.9		49.9		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 135				02/11/21 12:00	02/11/21 20:10	1
o-Terphenyl	118		70 - 135				02/11/21 12:00	02/11/21 20:10	1

Client Sample ID: SW21

Date Collected: 02/04/21 12:10

Date Received: 02/09/21 14:12

Lab Sample ID: 890-167-20

Matrix: Solid

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		02/10/21 09:22	02/11/21 13:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 13:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 13:06	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 13:06	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 13:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: SW21

Lab Sample ID: 890-167-20

Date Collected: 02/04/21 12:10

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/10/21 09:22	02/11/21 13:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/11/21 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				02/10/21 09:22	02/11/21 13:06	1
4-Bromofluorobenzene (Surr)	109		70 - 130				02/10/21 09:22	02/11/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		10.1		mg/Kg			02/10/21 21:24	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Total TPH	<50.0		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/11/21 12:00	02/11/21 20:31	1
o-Terphenyl	107		70 - 135				02/11/21 12:00	02/11/21 20:31	1

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1 (70-130)	BFB1 (70-130)
890-167-1	FS01	97	97
890-167-1 MS	FS01	96	96
890-167-1 MSD	FS01	98	99
890-167-2	FS02	101	105
890-167-3	FS03	102	110
890-167-4	FS04	95	103
890-167-5	FS05	97	104
890-167-6	FS06	106	108
890-167-7	FS07	102	111
890-167-8	FS08	99	107
890-167-9	FS09	103	110
890-167-10	FS10	103	113
890-167-11	FS11	100	105
890-167-12	FS12	99	108
890-167-13	FS13	100	106
890-167-14	FS14	100	107
890-167-15	FS15	110	110
890-167-16	FS16	94	103
890-167-17	FS17	102	103
890-167-18	FS18	106	112
890-167-19	SW11	97	100
890-167-20	SW21	101	109
890-172-A-17-C MS	Matrix Spike	100	104
890-172-A-17-D MSD	Matrix Spike Duplicate	99	100
LCS 890-230/2-A	Lab Control Sample	97	101
LCS 890-256/2-A	Lab Control Sample	96	95
LCSD 890-230/3-A	Lab Control Sample Dup	100	99
LCSD 890-256/3-A	Lab Control Sample Dup	96	96
MB 890-230/1-A	Method Blank	101	105
MB 890-256/1-A	Method Blank	99	102

Surrogate Legend

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

Method: TPH SW8015_MOD - SW846 8015B DRO

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO (70-135)	OTPH (70-135)
890-167-1	FS01	127	130
890-167-2	FS02	122	123
890-167-3	FS03	123	130
890-167-4	FS04	129	128
890-167-5	FS05	116	115
890-167-6	FS06	128	130
890-167-7	FS07	123	125
890-167-8	FS08	126	126
890-167-9	FS09	71	73

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-167-10	FS10	124	127
890-167-11	FS11	126	126
890-167-12	FS12	128	128
890-167-13	FS13	129	134
890-167-14	FS14	72	72
890-167-15	FS15	70	70
890-167-16	FS16	129	128
890-167-17	FS17	122	127
890-167-18	FS18	130	132
890-167-19	SW11	119	118
890-167-20	SW21	110	107

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-230/1-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/10/21 09:22	02/10/21 21:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 09:22	02/10/21 21:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/10/21 09:22	02/10/21 21:40	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/10/21 09:22	02/10/21 21:40	1

Lab Sample ID: LCS 890-230/2-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1031		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	71 - 129
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
m,p-Xylenes	0.200	0.2055		mg/Kg		103	70 - 135
o-Xylene	0.100	0.1042		mg/Kg		104	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 890-230/3-A

Matrix: Solid

Analysis Batch: 229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1066		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1064		mg/Kg		106	71 - 129	4	35
Toluene	0.100	0.1091		mg/Kg		109	70 - 130	7	35
m,p-Xylenes	0.200	0.2190		mg/Kg		110	70 - 135	6	35
o-Xylene	0.100	0.1108		mg/Kg		111	71 - 133	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	100		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-167-1 MS

Matrix: Solid

Analysis Batch: 229

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.100	0.09236		mg/Kg		92	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

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

Lab Sample ID: 890-167-1 MS

Matrix: Solid

Analysis Batch: 229

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.00796		0.100	0.09571		mg/Kg		88	71 - 129
Toluene	0.0509		0.100	0.1222		mg/Kg		71	70 - 130
m,p-Xylenes	0.0552	F1	0.200	0.2203		mg/Kg		82	70 - 135
o-Xylene	0.0104	F1	0.100	0.1013		mg/Kg		91	71 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,4-Difluorobenzene	96		70 - 130						
4-Bromofluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 890-167-1 MSD

Matrix: Solid

Analysis Batch: 229

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.101	0.08606		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.00796		0.101	0.08192		mg/Kg		73	71 - 129	16	35
Toluene	0.0509		0.101	0.1251		mg/Kg		74	70 - 130	2	35
m,p-Xylenes	0.0552	F1	0.202	0.1874	F1	mg/Kg		66	70 - 135	16	35
o-Xylene	0.0104	F1	0.101	0.08146	F1	mg/Kg		70	71 - 133	22	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	98		70 - 130								
4-Bromofluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 890-256/1-A

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/21 17:04	02/12/21 04:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/11/21 17:04	02/12/21 04:38	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/11/21 17:04	02/12/21 04:38	1

Lab Sample ID: LCS 890-256/2-A

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09625		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09553		mg/Kg		96	71 - 129

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

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

Lab Sample ID: LCS 890-256/2-A

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09585		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1922		mg/Kg		96	70 - 135
o-Xylene	0.100	0.09733		mg/Kg		97	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 890-256/3-A

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09683		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09495		mg/Kg		95	71 - 129	1	35
Toluene	0.100	0.09354		mg/Kg		94	70 - 130	2	35
m,p-Xylenes	0.200	0.1881		mg/Kg		94	70 - 135	2	35
o-Xylene	0.100	0.09501		mg/Kg		95	71 - 133	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-172-A-17-C MS

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.1146		mg/Kg		113	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1089		mg/Kg		109	71 - 129
Toluene	<0.00200	U	0.100	0.1112		mg/Kg		111	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2199		mg/Kg		109	70 - 135
o-Xylene	<0.00200	U	0.100	0.1097		mg/Kg		109	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	100		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-172-A-17-D MSD

Matrix: Solid

Analysis Batch: 257

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.101	0.09586		mg/Kg		93	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.101	0.09068		mg/Kg		90	71 - 129	18	35
Toluene	<0.00200	U	0.101	0.09272		mg/Kg		92	70 - 130	18	35
m,p-Xylenes	<0.00399	U	0.202	0.1823		mg/Kg		90	70 - 135	19	35
o-Xylene	<0.00200	U	0.101	0.09155		mg/Kg		90	71 - 133	18	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-225/1-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			02/10/21 15:04	1

Lab Sample ID: MB 890-226/1-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			02/10/21 18:44	1

Lab Sample ID: LCS 890-225/2-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	525.4		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-226/2-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	527.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 890-225/3-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	524.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: LCSD 890-226/3-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	524.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-166-A-3-B MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1460	F2 F1	501	1470	F1	mg/Kg		1	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-166-A-3-C MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1460	F2 F1	500	435.6	F2 F1	mg/Kg		-205	90 - 110	109	20

Lab Sample ID: 890-167-3 MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS03

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13000		499	13050	4	mg/Kg		5	90 - 110		

Lab Sample ID: 890-167-3 MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS03

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13000		498	12790	4	mg/Kg		-47	90 - 110	2	20

Lab Sample ID: 890-167-13 MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8570		503	8768	4	mg/Kg		40	90 - 110		

Lab Sample ID: 890-167-13 MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8570		504	8630	4	mg/Kg		12	90 - 110	2	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Lab Sample ID: 7721369-1-BLK

Matrix: SOIL

Analysis Batch: 3150879

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150879_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50		50		mg/kg		02/11/21 12:00	02/11/21 11:34	1
Gasoline Range Hydrocarbons (GRO)	<50		50		mg/kg		02/11/21 12:00	02/11/21 11:34	1
Motor Oil Range Hydrocarbons (MRO)	<50		50		mg/kg		02/11/21 12:00	02/11/21 11:34	1

Lab Sample ID: 7721369-1-BKS

Matrix: SOIL

Analysis Batch: 3150879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150879_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1160		mg/kg		116	70 - 135		
Gasoline Range Hydrocarbons (GRO)	1000	1090		mg/kg		109	70 - 135		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

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

Lab Sample ID: 7721369-1-BSD

Matrix: SOIL

Analysis Batch: 3150879

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150879_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1170		mg/kg		117	70 - 135	1	20
Gasoline Range Hydrocarbons (GRO)	1000	1070		mg/kg		107	70 - 135	2	20

Lab Sample ID: 687935-001 S

Matrix: SOIL

Analysis Batch: 3150879

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3150879_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		998	1150		mg/kg		115	70 - 135		
Gasoline Range Hydrocarbons (GRO)	<49.9		998	1030		mg/kg		103	70 - 135		

Lab Sample ID: 687935-001 SD

Matrix: SOIL

Analysis Batch: 3150879

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3150879_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		997	1160		mg/kg		116	70 - 135	1	20
Gasoline Range Hydrocarbons (GRO)	<49.9		997	1150		mg/kg		115	70 - 135	11	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

GC VOA

Analysis Batch: 229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Total/NA	Solid	8021B	230
890-167-2	FS02	Total/NA	Solid	8021B	230
890-167-3	FS03	Total/NA	Solid	8021B	230
890-167-4	FS04	Total/NA	Solid	8021B	230
890-167-5	FS05	Total/NA	Solid	8021B	230
890-167-6	FS06	Total/NA	Solid	8021B	230
890-167-7	FS07	Total/NA	Solid	8021B	230
890-167-8	FS08	Total/NA	Solid	8021B	230
890-167-9	FS09	Total/NA	Solid	8021B	230
890-167-10	FS10	Total/NA	Solid	8021B	230
890-167-11	FS11	Total/NA	Solid	8021B	230
890-167-12	FS12	Total/NA	Solid	8021B	230
890-167-13	FS13	Total/NA	Solid	8021B	230
890-167-14	FS14	Total/NA	Solid	8021B	230
890-167-15	FS15	Total/NA	Solid	8021B	230
890-167-17	FS17	Total/NA	Solid	8021B	230
890-167-18	FS18	Total/NA	Solid	8021B	230
890-167-19	SW11	Total/NA	Solid	8021B	230
890-167-20	SW21	Total/NA	Solid	8021B	230
MB 890-230/1-A	Method Blank	Total/NA	Solid	8021B	230
LCS 890-230/2-A	Lab Control Sample	Total/NA	Solid	8021B	230
LCSD 890-230/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	230
890-167-1 MS	FS01	Total/NA	Solid	8021B	230
890-167-1 MSD	FS01	Total/NA	Solid	8021B	230

Prep Batch: 230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Total/NA	Solid	5035	
890-167-2	FS02	Total/NA	Solid	5035	
890-167-3	FS03	Total/NA	Solid	5035	
890-167-4	FS04	Total/NA	Solid	5035	
890-167-5	FS05	Total/NA	Solid	5035	
890-167-6	FS06	Total/NA	Solid	5035	
890-167-7	FS07	Total/NA	Solid	5035	
890-167-8	FS08	Total/NA	Solid	5035	
890-167-9	FS09	Total/NA	Solid	5035	
890-167-10	FS10	Total/NA	Solid	5035	
890-167-11	FS11	Total/NA	Solid	5035	
890-167-12	FS12	Total/NA	Solid	5035	
890-167-13	FS13	Total/NA	Solid	5035	
890-167-14	FS14	Total/NA	Solid	5035	
890-167-15	FS15	Total/NA	Solid	5035	
890-167-17	FS17	Total/NA	Solid	5035	
890-167-18	FS18	Total/NA	Solid	5035	
890-167-19	SW11	Total/NA	Solid	5035	
890-167-20	SW21	Total/NA	Solid	5035	
MB 890-230/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-230/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-230/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-167-1 MS	FS01	Total/NA	Solid	5035	
890-167-1 MSD	FS01	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

GC VOA

Prep Batch: 256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-16	FS16	Total/NA	Solid	5035	
MB 890-256/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-256/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-256/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-172-A-17-C MS	Matrix Spike	Total/NA	Solid	5035	
890-172-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-16	FS16	Total/NA	Solid	8021B	256
MB 890-256/1-A	Method Blank	Total/NA	Solid	8021B	256
LCS 890-256/2-A	Lab Control Sample	Total/NA	Solid	8021B	256
LCSD 890-256/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	256
890-172-A-17-C MS	Matrix Spike	Total/NA	Solid	8021B	256
890-172-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	256

HPLC/IC

Leach Batch: 225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Soluble	Solid	DI Leach	
890-167-2	FS02	Soluble	Solid	DI Leach	
MB 890-225/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-225/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-225/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-166-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-166-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-3	FS03	Soluble	Solid	DI Leach	
890-167-4	FS04	Soluble	Solid	DI Leach	
890-167-5	FS05	Soluble	Solid	DI Leach	
890-167-6	FS06	Soluble	Solid	DI Leach	
890-167-7	FS07	Soluble	Solid	DI Leach	
890-167-8	FS08	Soluble	Solid	DI Leach	
890-167-9	FS09	Soluble	Solid	DI Leach	
890-167-10	FS10	Soluble	Solid	DI Leach	
890-167-11	FS11	Soluble	Solid	DI Leach	
890-167-12	FS12	Soluble	Solid	DI Leach	
890-167-13	FS13	Soluble	Solid	DI Leach	
890-167-14	FS14	Soluble	Solid	DI Leach	
890-167-15	FS15	Soluble	Solid	DI Leach	
890-167-16	FS16	Soluble	Solid	DI Leach	
890-167-17	FS17	Soluble	Solid	DI Leach	
890-167-18	FS18	Soluble	Solid	DI Leach	
890-167-19	SW11	Soluble	Solid	DI Leach	
890-167-20	SW21	Soluble	Solid	DI Leach	
MB 890-226/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-226/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-226/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

HPLC/IC (Continued)

Leach Batch: 226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-3 MS	FS03	Soluble	Solid	DI Leach	
890-167-3 MSD	FS03	Soluble	Solid	DI Leach	
890-167-13 MS	FS13	Soluble	Solid	DI Leach	
890-167-13 MSD	FS13	Soluble	Solid	DI Leach	

Analysis Batch: 239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Soluble	Solid	300.0	225
890-167-2	FS02	Soluble	Solid	300.0	225
890-167-3	FS03	Soluble	Solid	300.0	226
890-167-4	FS04	Soluble	Solid	300.0	226
890-167-5	FS05	Soluble	Solid	300.0	226
890-167-7	FS07	Soluble	Solid	300.0	226
890-167-8	FS08	Soluble	Solid	300.0	226
890-167-9	FS09	Soluble	Solid	300.0	226
890-167-10	FS10	Soluble	Solid	300.0	226
890-167-11	FS11	Soluble	Solid	300.0	226
890-167-12	FS12	Soluble	Solid	300.0	226
890-167-13	FS13	Soluble	Solid	300.0	226
890-167-14	FS14	Soluble	Solid	300.0	226
890-167-15	FS15	Soluble	Solid	300.0	226
890-167-16	FS16	Soluble	Solid	300.0	226
890-167-17	FS17	Soluble	Solid	300.0	226
890-167-18	FS18	Soluble	Solid	300.0	226
890-167-19	SW11	Soluble	Solid	300.0	226
890-167-20	SW21	Soluble	Solid	300.0	226
MB 890-225/1-A	Method Blank	Soluble	Solid	300.0	225
MB 890-226/1-A	Method Blank	Soluble	Solid	300.0	226
LCS 890-225/2-A	Lab Control Sample	Soluble	Solid	300.0	225
LCS 890-226/2-A	Lab Control Sample	Soluble	Solid	300.0	226
LCSD 890-225/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	225
LCSD 890-226/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	226
890-166-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	225
890-166-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	225
890-167-3 MS	FS03	Soluble	Solid	300.0	226
890-167-3 MSD	FS03	Soluble	Solid	300.0	226
890-167-13 MS	FS13	Soluble	Solid	300.0	226
890-167-13 MSD	FS13	Soluble	Solid	300.0	226

Analysis Batch: 252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-6	FS06	Soluble	Solid	300.0	226

Subcontract

Analysis Batch: 3150879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Total/NA	Solid	TPH	3150879_P
890-167-2	FS02	Total/NA	Solid	SW8015_MOD TPH SW8015_MOD	3150879_P

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Subcontract (Continued)

Analysis Batch: 3150879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-3	FS03	Total/NA	Solid	TPH	3150879_P
890-167-4	FS04	Total/NA	Solid	TPH	3150879_P
890-167-5	FS05	Total/NA	Solid	TPH	3150879_P
890-167-6	FS06	Total/NA	Solid	TPH	3150879_P
890-167-7	FS07	Total/NA	Solid	TPH	3150879_P
890-167-8	FS08	Total/NA	Solid	TPH	3150879_P
890-167-9	FS09	Total/NA	Solid	TPH	3150879_P
890-167-10	FS10	Total/NA	Solid	TPH	3150879_P
890-167-11	FS11	Total/NA	Solid	TPH	3150879_P
890-167-12	FS12	Total/NA	Solid	TPH	3150879_P
890-167-13	FS13	Total/NA	Solid	TPH	3150879_P
890-167-14	FS14	Total/NA	Solid	TPH	3150879_P
890-167-15	FS15	Total/NA	Solid	TPH	3150879_P
890-167-16	FS16	Total/NA	Solid	TPH	3150879_P
890-167-17	FS17	Total/NA	Solid	TPH	3150879_P
890-167-18	FS18	Total/NA	Solid	TPH	3150879_P
890-167-19	SW11	Total/NA	Solid	TPH	3150879_P
890-167-20	SW21	Total/NA	Solid	TPH	3150879_P
7721369-1-BLK	Method Blank	Total/NA	SOIL	TPH	3150879_P
7721369-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH	3150879_P
7721369-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH	3150879_P
687935-001 S	Matrix Spike	Total/NA	SOIL	TPH	3150879_P
687935-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	TPH	3150879_P

Prep Batch: 3150879_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-1	FS01	Total/NA	Solid	SW8015P	
890-167-2	FS02	Total/NA	Solid	SW8015P	
890-167-3	FS03	Total/NA	Solid	SW8015P	
890-167-4	FS04	Total/NA	Solid	SW8015P	
890-167-5	FS05	Total/NA	Solid	SW8015P	
890-167-6	FS06	Total/NA	Solid	SW8015P	
890-167-7	FS07	Total/NA	Solid	SW8015P	
890-167-8	FS08	Total/NA	Solid	SW8015P	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Subcontract (Continued)

Prep Batch: 3150879_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-167-9	FS09	Total/NA	Solid	SW8015P	
890-167-10	FS10	Total/NA	Solid	SW8015P	
890-167-11	FS11	Total/NA	Solid	SW8015P	
890-167-12	FS12	Total/NA	Solid	SW8015P	
890-167-13	FS13	Total/NA	Solid	SW8015P	
890-167-14	FS14	Total/NA	Solid	SW8015P	
890-167-15	FS15	Total/NA	Solid	SW8015P	
890-167-16	FS16	Total/NA	Solid	SW8015P	
890-167-17	FS17	Total/NA	Solid	SW8015P	
890-167-18	FS18	Total/NA	Solid	SW8015P	
890-167-19	SW11	Total/NA	Solid	SW8015P	
890-167-20	SW21	Total/NA	Solid	SW8015P	
7721369-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721369-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721369-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
687935-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
687935-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS01

Lab Sample ID: 890-167-1

Date Collected: 02/04/21 14:45

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/10/21 22:47	PXS	XC
Soluble	Leach	DI Leach			225	02/09/21 18:35	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 18:21	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 12:39	ARM	XM

Client Sample ID: FS02

Lab Sample ID: 890-167-2

Date Collected: 02/04/21 14:50

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/10/21 23:54	PXS	XC
Soluble	Leach	DI Leach			225	02/09/21 18:35	MC	XC
Soluble	Analysis	300.0		10	239	02/10/21 18:27	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 13:42	ARM	XM

Client Sample ID: FS03

Lab Sample ID: 890-167-3

Date Collected: 02/04/21 14:52

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 00:17	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 19:01	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 14:03	ARM	XM

Client Sample ID: FS04

Lab Sample ID: 890-167-4

Date Collected: 02/04/21 14:55

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 00:39	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 19:19	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 14:24	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS05

Lab Sample ID: 890-167-5

Date Collected: 02/04/21 14:30

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 01:02	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 19:24	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 14:46	ARM	XM

Client Sample ID: FS06

Lab Sample ID: 890-167-6

Date Collected: 02/04/21 14:52

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 01:46	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	252	02/11/21 20:47	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 15:08	ARM	XM

Client Sample ID: FS07

Lab Sample ID: 890-167-7

Date Collected: 02/04/21 14:54

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 02:09	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 19:47	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 15:29	ARM	XM

Client Sample ID: FS08

Lab Sample ID: 890-167-8

Date Collected: 02/04/21 14:36

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 02:31	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		10	239	02/10/21 19:53	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 15:50	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS09

Lab Sample ID: 890-167-9

Date Collected: 02/04/21 14:57

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 02:54	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 19:58	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 16:12	ARM	XM

Client Sample ID: FS10

Lab Sample ID: 890-167-10

Date Collected: 02/04/21 15:00

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 03:16	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 20:04	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 16:34	ARM	XM

Client Sample ID: FS11

Lab Sample ID: 890-167-11

Date Collected: 02/04/21 15:02

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 03:39	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 20:10	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 17:17	ARM	XM

Client Sample ID: FS12

Lab Sample ID: 890-167-12

Date Collected: 02/04/21 15:05

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 04:01	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 20:15	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 17:39	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS13

Lab Sample ID: 890-167-13

Date Collected: 02/04/21 15:02

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 04:24	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 20:21	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 18:00	ARM	XM

Client Sample ID: FS14

Lab Sample ID: 890-167-14

Date Collected: 02/04/21 15:03

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 04:46	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 20:38	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 18:22	ARM	XM

Client Sample ID: FS15

Lab Sample ID: 890-167-15

Date Collected: 02/04/21 15:05

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 05:08	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 20:56	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 18:44	ARM	XM

Client Sample ID: FS16

Lab Sample ID: 890-167-16

Date Collected: 02/04/21 14:57

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			256	02/11/21 17:04	MC	XC
Total/NA	Analysis	8021B		1	257	02/12/21 13:19	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 21:01	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 19:05	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Client Sample ID: FS17

Lab Sample ID: 890-167-17

Date Collected: 02/04/21 14:59

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 11:58	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 21:07	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 19:26	ARM	XM

Client Sample ID: FS18

Lab Sample ID: 890-167-18

Date Collected: 02/04/21 15:00

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 12:21	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 21:13	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 19:48	ARM	XM

Client Sample ID: SW11

Lab Sample ID: 890-167-19

Date Collected: 02/04/21 11:20

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 12:43	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 21:19	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 20:10	ARM	XM

Client Sample ID: SW21

Lab Sample ID: 890-167-20

Date Collected: 02/04/21 12:10

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230	02/10/21 09:22	MC	XC
Total/NA	Analysis	8021B		1	229	02/11/21 13:06	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 21:24	A1S	XC
Total/NA	Prep	SW8015P		1	3150879_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150879	02/11/21 20:31	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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
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

Eurofins Xenco, Carlsbad

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
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

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-167-1
SDG: 31402909.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-167-1	FS01	Solid	02/04/21 14:45	02/09/21 14:12	
890-167-2	FS02	Solid	02/04/21 14:50	02/09/21 14:12	
890-167-3	FS03	Solid	02/04/21 14:52	02/09/21 14:12	
890-167-4	FS04	Solid	02/04/21 14:55	02/09/21 14:12	
890-167-5	FS05	Solid	02/04/21 14:30	02/09/21 14:12	
890-167-6	FS06	Solid	02/04/21 14:52	02/09/21 14:12	
890-167-7	FS07	Solid	02/04/21 14:54	02/09/21 14:12	
890-167-8	FS08	Solid	02/04/21 14:36	02/09/21 14:12	
890-167-9	FS09	Solid	02/04/21 14:57	02/09/21 14:12	
890-167-10	FS10	Solid	02/04/21 15:00	02/09/21 14:12	
890-167-11	FS11	Solid	02/04/21 15:02	02/09/21 14:12	
890-167-12	FS12	Solid	02/04/21 15:05	02/09/21 14:12	
890-167-13	FS13	Solid	02/04/21 15:02	02/09/21 14:12	
890-167-14	FS14	Solid	02/04/21 15:03	02/09/21 14:12	
890-167-15	FS15	Solid	02/04/21 15:05	02/09/21 14:12	
890-167-16	FS16	Solid	02/04/21 14:57	02/09/21 14:12	
890-167-17	FS17	Solid	02/04/21 14:59	02/09/21 14:12	
890-167-18	FS18	Solid	02/04/21 15:00	02/09/21 14:12	
890-167-19	SW11	Solid	02/04/21 11:20	02/09/21 14:12	
890-167-20	SW21	Solid	02/04/21 12:10	02/09/21 14:12	

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

Chain of Custody

Work Order No: _____

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Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

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

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine	☐
P.O. Number:	Lea	Rush: 3day/CT	
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	Correction Factor:
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Total Containers:
Sample Custody Seals:	Yes ☒ No ☐ N/A	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	ANALYSIS REQUEST	Work Order Notes
FS01	S	2/4/2021	14:14:5	4'	1	X	X	X		Composite
FS02	S	2/4/2021	14:15:0	4'	1	X	X	X		Composite
FS03	S	2/4/2021	14:15:2	4'	1	X	X	X		Composite
FS04	S	2/4/2021	14:15:5	4'	1	X	X	X		Composite
FS05	S	2/4/2021	14:16:0	4'	1	X	X	X		Composite
FS06	S	2/4/2021	14:15:2	4'	1	X	X	X		Composite
FS07	S	2/4/2021	14:15:4	4'	1	X	X	X		Composite
FS08	S	2/4/2021	14:16:0	4'	1	X	X	X		Composite
FS09	S	2/4/2021	14:15:7	4'	1	X	X	X		Composite
FS10	S	2/4/2021	15:06	4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2-9-21 1412			



Chain of Custody

Work Order No: _____

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

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Page 2 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaréz
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, itavaréz@concho.com

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

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST										Work Order Notes
Project Number:		Routine ☐											
P.O. Number:	Lea	Rush:											
Sampler's Name:	William Mather	Due Date:											

SAMPLE RECEIPT		Temp Blank:	Yes	No	Merice:	Yes	No									
Temperature (°C):		Thermometer ID														
Received In tact:	Yes	No	See Receipt													
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										Sample Comments	
					TPH (EPA 8015)	BTEX (EPA 0-8021)	Chloride (EPA 300.0)									
FS11	S	2/4/2021	15:02	4'	1	X	X	X								Composite
FS12	S	2/4/2021	15:05	4'	1	X	X	X								Composite
FS13	S	2/4/2021	15:08	4'	1	X	X	X								Composite
FS14	S	2/4/2021	15:03	4'	1	X	X	X								Composite
FS15	S	2/4/2021	15:03	4'	1	X	X	X								Composite
FS16	S	2/4/2021	14:57	4'	1	X	X	X								Composite
FS17	S	2/4/2021	14:59	4'	1	X	X	X								Composite
FS18	S	2/4/2021	15:00	4'	1	X	X	X								Composite
SW11	S	2/4/2021	11:20	0-4'	1	X	X	X								Composite
SW21	S	2/4/2021	12:10	0-4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2-9-21 14:12			



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Hobbs, NM (575-392-7550)

Work Order No: _____

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Project Manager:		Kalei Jennings	Bill to: (if different)	Ike Tavariez
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, itavariez@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:				

[illegible]

Sample Identification					Matrix	Date Sampled	Time Sampled	Depth	Number	TPH (E)	BTEX (C)	Chloride	Sample Comments									
FS121					S	2/9/2021	9:38	4'	1	X	X	X	Composite									
FS122					S	2/9/2021	9:40	4'	1	X	X	X	Composite									
FS123					S	2/9/2021	9:42	4'	1	X	X	X	Composite									
FS124					S	2/9/2021	9:43	4'	1	X	X	X	Composite									
FS125					S	2/9/2021	9:45	4'	1	X	X	X	Composite									
FS126					S	2/9/2021	9:46	4'	1	X	X	X	Composite									
FS127					S	2/9/2021	9:47	4'	1	X	X	X	Composite									
FS128					S	2/9/2021	9:49	4'	1	X	X	X	Composite									
FS129					S	2/9/2021	9:51	4'	1	X	X	X	Composite									
FS130					S	2/9/2021	9:53	4'	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 Ti 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 Ti U		1631 / 245.1 / 7470 / 7471 : Hg	
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		29.21.14/12	2		
3			4		
5			6		



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Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (602-382-7550) Atlanta, GA (770-449-8800) Tampa, FL (813) 233-3827
Hobbs, NM (505-382-7550)

Work Order No: _____

Page 2 of 3

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Chain of Custody

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Work Order Comments	
Program: UST/PST	☐ RP ☐ Growntfields ☐ RC ☐ Superfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RP ☐ Level IV
Deliverables: EDD	☐ ADAPT ☐ Other:

Project Name:		Stovepipe Release		Turn Around		ANALYSIS REQUEST		Work Order Notes
Project Number:				Routine ☐				
P.O. Number:		Lea		Rush:				
Sampler's Name:		William Mather		Due Date:				
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:			
Temperature (°C):				Thermometer ID				
Received Intact:		Yes		No	<i>See Page 1</i>			
Cooler Custody Seals:		Yes		No	N/A	Correction Factor:		
Sample Custody Seals:		Yes		No	N/A	Total Containers:		
Number of Containers								
EPA 8015)								
EPA 0=8021)								
e (EPA 300.0)								
TAT starts the day received by the lab, if received by 4:30pm								

Sample Identification				Matrix	Date Sampled	Time Sampled	Depth	Number	TPH (E)	BTEX (G)	Chloride	Sample Comments											
FS131				S	2/9/2021	9:54	4'	1	X	X	X	Composite											
FS132				S	2/9/2021	9:56	4'	1	X	X	X	Composite											
FS133				S	2/9/2021	9:58	4'	1	X	X	X	Composite											
FS134				S	2/9/2021	10:02	4'	1	X	X	X	Composite											
FS135				S	2/9/2021	10:04	4'	1	X	X	X	Composite											
FS136				S	2/9/2021	10:05	4'	1	X	X	X	Composite											
FS137				S	2/9/2021	10:07	4'	1	X	X	X	Composite											
FS138				S	2/9/2021	10:09	4'	1	X	X	X	Composite											
FS139				S	2/9/2021	10:11	4'	1	X	X	X	Composite											
FS140				S	2/9/2021	10:13	4'	1	X	X	X	Composite											

Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	200.7 / 6010	Total
8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
TCPLP / SPLP 6010:	8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2.9.21.1412	2		
			4		
			6		



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Chain of Custody

Work Order No: _____

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Bill to: (if different) Ike Tavaréz

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

Program: UST/PST ☐ RP ☐ Growfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST																Work Order Notes		
Project Number:		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):		Received Intact:	Yes	No	Thermometer ID																
Cooler Custody Seals:	Yes	N/A	Correction Factor:																		
Sample Custody Seals:	Yes	No	N/A	Total Containers:																	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers																Sample Comments
FS141	S	2/9/2021	10:15	4'	1	X	X	X												Composite	
FS142	S	2/9/2021	10:17	4'	1	X	X	X												Composite	
FS143	S	2/9/2021	10:19	4'	1	X	X	X												Composite	
FS144	S	2/9/2021	11:20	4'	1	X	X	X												Composite	
FS145	S	2/9/2021	11:21	4'	1	X	X	X												Composite	
FS146	S	2/9/2021	11:22	4'	1	X	X	X												Composite	
FS147	S	2/9/2021	11:24	4'	1	X	X	X												Composite	
FS148	S	2/9/2021	11:25	4'	1	X	X	X												Composite	
FS149	S	2/9/2021	11:26	4'	1	X	X	X												Composite	
FS150	S	2/9/2021	11:28	4'	1	X	X	X												Composite	

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

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 Ti Sn U V Zn

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2.9.21 1412			

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-167-1

SDG Number: 31402909.02

Login Number: 167

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-168-1
Client Project/Site: Stovepipe Release

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

Attn: Kalei Jennings

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

Authorized for release by:
2/22/2021 6:51:50 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-168-1

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
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.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Subcontract

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

Glossary

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

Eurofins Xenco, Carlsbad

Case Narrative

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Job ID: 890-168-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-168-1

Receipt

The samples were received on 2/9/2021 2:12 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

Method 8021B: Surrogate recovery for the following samples were outside the upper control limit: FS130 (890-168-10) and FS134 (890-168-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS121

Lab Sample ID: 890-168-1

Date Collected: 02/09/21 09:38

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
Ethylbenzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
Toluene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
Total BTEX	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
Xylenes, Total	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
m,p-Xylenes	<0.0357	U	0.0357		mg/Kg		02/11/21 16:38	02/12/21 06:30	1
o-Xylene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/11/21 16:38	02/12/21 06:30	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/11/21 16:38	02/12/21 06:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16100		199		mg/Kg			02/10/21 21:30	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	59.4		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1
Total TPH	59.4		50.0		mg/kg		02/11/21 12:00	02/11/21 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 135	02/11/21 12:00	02/11/21 12:39	1
o-Terphenyl	123		70 - 135	02/11/21 12:00	02/11/21 12:39	1

Client Sample ID: FS122

Lab Sample ID: 890-168-2

Date Collected: 02/09/21 09:40

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/11/21 16:38	02/12/21 06:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/21 16:38	02/12/21 06:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/21 16:38	02/12/21 06:53	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		02/11/21 16:38	02/12/21 06:53	1
Xylenes, Total	<0.00201	U	0.00201		mg/Kg		02/11/21 16:38	02/12/21 06:53	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/11/21 16:38	02/12/21 06:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/21 16:38	02/12/21 06:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/11/21 16:38	02/12/21 06:53	1
4-Bromofluorobenzene (Surr)	87		70 - 130	02/11/21 16:38	02/12/21 06:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19300		200		mg/Kg			02/10/21 21:36	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	106		50.0		mg/kg		02/11/21 12:00	02/11/21 13:42	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS122

Lab Sample ID: 890-168-2

Date Collected: 02/09/21 09:40

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Total TPH	106		50.0		mg/kg		02/11/21 12:00	02/11/21 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 135				02/11/21 12:00	02/11/21 13:42	1
o-Terphenyl	117		70 - 135				02/11/21 12:00	02/11/21 13:42	1

Client Sample ID: FS123

Lab Sample ID: 890-168-3

Date Collected: 02/09/21 09:42

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
Ethylbenzene	0.125		0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
Toluene	0.0889		0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
Total BTEX	0.885		0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
Xylenes, Total	0.671		0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
m,p-Xylenes	0.487		0.0392		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
o-Xylene	0.184		0.0196		mg/Kg		02/10/21 10:40	02/11/21 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/10/21 10:40	02/11/21 14:04	1
4-Bromofluorobenzene (Surr)	86		70 - 130				02/10/21 10:40	02/11/21 14:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19800		198		mg/Kg			02/10/21 22:10	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	574		49.9		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Motor Oil Range Hydrocarbons (MRO)	71.3		49.9		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Total TPH	645		49.9		mg/kg		02/11/21 12:00	02/11/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 135				02/11/21 12:00	02/11/21 14:03	1
o-Terphenyl	121		70 - 135				02/11/21 12:00	02/11/21 14:03	1

Client Sample ID: FS124

Lab Sample ID: 890-168-4

Date Collected: 02/09/21 09:43

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
Ethylbenzene	0.526		0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
Toluene	0.452		0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
Total BTEX	3.00		0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS124

Lab Sample ID: 890-168-4

Date Collected: 02/09/21 09:43

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.02		0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
m,p-Xylenes	1.44		0.0400		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
o-Xylene	0.580		0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130				02/10/21 10:40	02/11/21 15:12	1
4-Bromofluorobenzene (Surr)	98		70 - 130				02/10/21 10:40	02/11/21 15:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16900		199		mg/Kg			02/10/21 22:27	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1390		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Gasoline Range Hydrocarbons (GRO)	72.8		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Motor Oil Range Hydrocarbons (MRO)	148		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Total TPH	1610		50.0		mg/kg		02/11/21 12:00	02/11/21 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 135				02/11/21 12:00	02/11/21 14:24	1
o-Terphenyl	127		70 - 135				02/11/21 12:00	02/11/21 14:24	1

Client Sample ID: FS125

Lab Sample ID: 890-168-5

Date Collected: 02/09/21 09:45

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 10:40	02/11/21 15:34	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/10/21 10:40	02/11/21 15:34	1
4-Bromofluorobenzene (Surr)	109		70 - 130				02/10/21 10:40	02/11/21 15:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16400		200		mg/Kg			02/10/21 22:33	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	470		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS125

Lab Sample ID: 890-168-5

Date Collected: 02/09/21 09:45

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Hydrocarbons (MRO)	64.0		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Total TPH	534		50.0		mg/kg		02/11/21 12:00	02/11/21 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 135				02/11/21 12:00	02/11/21 14:46	1
o-Terphenyl	113		70 - 135				02/11/21 12:00	02/11/21 14:46	1

Client Sample ID: FS126

Lab Sample ID: 890-168-6

Date Collected: 02/09/21 09:46

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
Ethylbenzene	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
Toluene	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
Total BTEX	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
Xylenes, Total	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
m,p-Xylenes	<0.0400	U	0.0400		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
o-Xylene	<0.0200	U	0.0200		mg/Kg		02/10/21 10:40	02/11/21 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				02/10/21 10:40	02/11/21 15:56	1
4-Bromofluorobenzene (Surr)	105		70 - 130				02/10/21 10:40	02/11/21 15:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16500		199		mg/Kg			02/10/21 22:38	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	789		50.0		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Motor Oil Range Hydrocarbons (MRO)	89.9		50.0		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Total TPH	879		50.0		mg/kg		02/11/21 12:00	02/11/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 135				02/11/21 12:00	02/11/21 15:08	1
o-Terphenyl	115		70 - 135				02/11/21 12:00	02/11/21 15:08	1

Client Sample ID: FS127

Lab Sample ID: 890-168-7

Date Collected: 02/09/21 09:47

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS127

Lab Sample ID: 890-168-7

Date Collected: 02/09/21 09:47

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/10/21 10:40	02/11/21 16:19	1
4-Bromofluorobenzene (Surr)	108		70 - 130				02/10/21 10:40	02/11/21 16:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	966		9.98		mg/Kg			02/10/21 22:55	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Total TPH	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 135				02/11/21 12:00	02/11/21 15:29	1
o-Terphenyl	119		70 - 135				02/11/21 12:00	02/11/21 15:29	1

Client Sample ID: FS128

Lab Sample ID: 890-168-8

Date Collected: 02/09/21 09:49

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 10:40	02/11/21 17:04	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/10/21 10:40	02/11/21 17:04	1
4-Bromofluorobenzene (Surr)	87		70 - 130				02/10/21 10:40	02/11/21 17:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15700		198		mg/Kg			02/10/21 23:01	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	156		49.8		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 15:50	1
Total TPH	156		49.8		mg/kg		02/11/21 12:00	02/11/21 15:50	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS128

Lab Sample ID: 890-168-8

Date Collected: 02/09/21 09:49

Matrix: Solid

Date Received: 02/09/21 14:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	02/11/21 12:00	02/11/21 15:50	1
o-Terphenyl	104		70 - 135	02/11/21 12:00	02/11/21 15:50	1

Client Sample ID: FS129

Lab Sample ID: 890-168-9

Date Collected: 02/09/21 09:51

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0192	U	0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
Ethylbenzene	0.239		0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
Toluene	0.100		0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
Total BTEX	1.95		0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
Xylenes, Total	1.61		0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
m,p-Xylenes	0.988		0.0385		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
o-Xylene	0.621		0.0192		mg/Kg		02/10/21 10:40	02/11/21 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	92		70 - 130				02/10/21 10:40	02/11/21 17:26	1
4-Bromofluorobenzene (Surr)	106		70 - 130				02/10/21 10:40	02/11/21 17:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		200		mg/Kg			02/10/21 23:07	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2400		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Gasoline Range Hydrocarbons (GRO)	51.3		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Motor Oil Range Hydrocarbons (MRO)	283		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Total TPH	2730		50.0		mg/kg		02/11/21 12:00	02/11/21 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 135				02/11/21 12:00	02/11/21 16:12	1
o-Terphenyl	141		70 - 135				02/11/21 12:00	02/11/21 16:12	1

Client Sample ID: FS130

Lab Sample ID: 890-168-10

Date Collected: 02/09/21 09:53

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 10:40	02/11/21 17:49	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:49	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:49	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:49	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:49	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/10/21 10:40	02/11/21 17:49	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 17:49	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS130

Lab Sample ID: 890-168-10

Date Collected: 02/09/21 09:53

Matrix: Solid

Date Received: 02/09/21 14:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/10/21 10:40	02/11/21 17:49	1
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130	02/10/21 10:40	02/11/21 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18500		202		mg/Kg			02/10/21 23:12	20

Method: TPH SW8015_MOD - SW846 8015B DRO									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	419		50.0		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Motor Oil Range Hydrocarbons (MRO)	68.7		50.0		mg/kg		02/11/21 12:00	02/11/21 16:34	1
Total TPH	488		50.0		mg/kg		02/11/21 12:00	02/11/21 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135	02/11/21 12:00	02/11/21 16:34	1
o-Terphenyl	114		70 - 135	02/11/21 12:00	02/11/21 16:34	1

Client Sample ID: FS131

Lab Sample ID: 890-168-11

Date Collected: 02/09/21 09:54

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
Ethylbenzene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
Toluene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
Total BTEX	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
Xylenes, Total	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
m,p-Xylenes	<0.0370	U	0.0370		mg/Kg		02/10/21 10:40	02/11/21 18:11	1
o-Xylene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/10/21 10:40	02/11/21 18:11	1
4-Bromofluorobenzene (Surr)	88		70 - 130	02/10/21 10:40	02/11/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13000		202		mg/Kg			02/10/21 23:18	20

Method: TPH SW8015_MOD - SW846 8015B DRO									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	259		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1
Total TPH	259		50.0		mg/kg		02/11/21 12:00	02/11/21 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135	02/11/21 12:00	02/11/21 17:17	1
o-Terphenyl	109		70 - 135	02/11/21 12:00	02/11/21 17:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS132

Lab Sample ID: 890-168-12

Date Collected: 02/09/21 09:56

Matrix: Solid

Date Received: 02/09/21 14:12

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		02/10/21 10:40	02/11/21 18:33	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 18:33	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 18:33	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 18:33	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 18:33	1
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/10/21 10:40	02/11/21 18:33	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/10/21 10:40	02/11/21 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/10/21 10:40	02/11/21 18:33	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/10/21 10:40	02/11/21 18:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16400		199		mg/Kg			02/10/21 23:24	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	490		49.9		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Motor Oil Range Hydrocarbons (MRO)	62.7		49.9		mg/kg		02/11/21 12:00	02/11/21 17:39	1
Total TPH	553		49.9		mg/kg		02/11/21 12:00	02/11/21 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135	02/11/21 12:00	02/11/21 17:39	1
o-Terphenyl	122		70 - 135	02/11/21 12:00	02/11/21 17:39	1

Client Sample ID: FS133

Lab Sample ID: 890-168-13

Date Collected: 02/09/21 09:58

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
Ethylbenzene	0.169		0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
Toluene	0.0361		0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
Total BTEX	0.592		0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
Xylenes, Total	0.387		0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
m,p-Xylenes	0.268		0.0377		mg/Kg		02/10/21 10:40	02/11/21 18:56	1
o-Xylene	0.119		0.0189		mg/Kg		02/10/21 10:40	02/11/21 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	02/10/21 10:40	02/11/21 18:56	1
4-Bromofluorobenzene (Surr)	100		70 - 130	02/10/21 10:40	02/11/21 18:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7920		200		mg/Kg			02/10/21 23:29	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS133

Lab Sample ID: 890-168-13

Date Collected: 02/09/21 09:58

Matrix: Solid

Date Received: 02/09/21 14:12

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1540		50.0		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Motor Oil Range Hydrocarbons (MRO)	179		50.0		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Total TPH	1720		50.0		mg/kg		02/11/21 12:00	02/11/21 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 135				02/11/21 12:00	02/11/21 18:00	1
o-Terphenyl	141		70 - 135				02/11/21 12:00	02/11/21 18:00	1

Client Sample ID: FS134

Lab Sample ID: 890-168-14

Date Collected: 02/09/21 10:02

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
Ethylbenzene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
Toluene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
Total BTEX	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
Xylenes, Total	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
m,p-Xylenes	<0.0377	U	0.0377		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
o-Xylene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/10/21 10:40	02/11/21 19:18	1
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				02/10/21 10:40	02/11/21 19:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7750		198		mg/Kg			02/10/21 23:46	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	253		50.0		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Total TPH	253		50.0		mg/kg		02/11/21 12:00	02/11/21 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135				02/11/21 12:00	02/11/21 18:22	1
o-Terphenyl	125		70 - 135				02/11/21 12:00	02/11/21 18:22	1

Client Sample ID: FS135

Lab Sample ID: 890-168-15

Date Collected: 02/09/21 10:04

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS135

Lab Sample ID: 890-168-15

Date Collected: 02/09/21 10:04

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/10/21 10:40	02/11/21 19:41	1
4-Bromofluorobenzene (Surr)	93		70 - 130				02/10/21 10:40	02/11/21 19:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		9.92		mg/Kg			02/11/21 00:03	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Total TPH	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 135				02/11/21 12:00	02/11/21 18:44	1
o-Terphenyl	132		70 - 135				02/11/21 12:00	02/11/21 18:44	1

Client Sample ID: FS136

Lab Sample ID: 890-168-16

Date Collected: 02/09/21 10:05

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
Ethylbenzene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
Toluene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
Total BTEX	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
Xylenes, Total	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
m,p-Xylenes	<0.0345	U	0.0345		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
o-Xylene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/10/21 10:40	02/11/21 20:03	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/10/21 10:40	02/11/21 20:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6570		200		mg/Kg			02/11/21 00:09	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 19:05	1
Total TPH	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 19:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS136

Date Collected: 02/09/21 10:05

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-16

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135	02/11/21 12:00	02/11/21 19:05	1
o-Terphenyl	101		70 - 135	02/11/21 12:00	02/11/21 19:05	1

Client Sample ID: FS137

Date Collected: 02/09/21 10:07

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/10/21 10:40	02/11/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/10/21 10:40	02/11/21 20:26	1
4-Bromofluorobenzene (Surr)	86		70 - 130				02/10/21 10:40	02/11/21 20:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4220		200		mg/Kg			02/11/21 00:15	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 135				02/11/21 12:00	02/11/21 19:26	1
o-Terphenyl	118		70 - 135				02/11/21 12:00	02/11/21 19:26	1

Client Sample ID: FS138

Date Collected: 02/09/21 10:09

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-18

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
Ethylbenzene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
Toluene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
Total BTEX	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
Xylenes, Total	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
m,p-Xylenes	<0.0377	U	0.0377		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
o-Xylene	<0.0189	U	0.0189		mg/Kg		02/10/21 10:40	02/11/21 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/10/21 10:40	02/11/21 21:10	

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS138

Date Collected: 02/09/21 10:09

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-18

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/10/21 10:40	02/11/21 21:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		9.92		mg/Kg			02/11/21 00:20	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 19:48	1
Total TPH	<49.9	U	49.9		mg/kg		02/11/21 12:00	02/11/21 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 135	02/11/21 12:00	02/11/21 19:48	1
o-Terphenyl	107		70 - 135	02/11/21 12:00	02/11/21 19:48	1

Client Sample ID: FS139

Date Collected: 02/09/21 10:11

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-19

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
Ethylbenzene	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
Toluene	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
Total BTEX	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
Xylenes, Total	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
m,p-Xylenes	<0.0253	U	0.0253		mg/Kg		02/10/21 10:40	02/11/21 21:33	1
o-Xylene	<0.0127	U	0.0127		mg/Kg		02/10/21 10:40	02/11/21 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	02/10/21 10:40	02/11/21 21:33	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/10/21 10:40	02/11/21 21:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7020		198		mg/Kg			02/11/21 00:26	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 20:10	1
Total TPH	<49.8	U	49.8		mg/kg		02/11/21 12:00	02/11/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135	02/11/21 12:00	02/11/21 20:10	1
o-Terphenyl	112		70 - 135	02/11/21 12:00	02/11/21 20:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS140

Lab Sample ID: 890-168-20

Date Collected: 02/09/21 10:13

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
Ethylbenzene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
Toluene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
Total BTEX	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
Xylenes, Total	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
m,p-Xylenes	<0.0345	U	0.0345		mg/Kg		02/10/21 10:40	02/11/21 21:55	1
o-Xylene	<0.0172	U	0.0172		mg/Kg		02/10/21 10:40	02/11/21 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/10/21 10:40	02/11/21 21:55	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/10/21 10:40	02/11/21 21:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5690		200		mg/Kg			02/11/21 00:32	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	87.2		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1
Total TPH	87.2		50.0		mg/kg		02/11/21 12:00	02/11/21 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135	02/11/21 12:00	02/11/21 20:31	1
o-Terphenyl	100		70 - 135	02/11/21 12:00	02/11/21 20:31	1

Client Sample ID: FS141

Lab Sample ID: 890-168-21

Date Collected: 02/09/21 10:15

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
Ethylbenzene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
Toluene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
Total BTEX	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
Xylenes, Total	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
m,p-Xylenes	<0.0370	U	0.0370		mg/Kg		02/10/21 10:40	02/11/21 22:18	1
o-Xylene	<0.0185	U	0.0185		mg/Kg		02/10/21 10:40	02/11/21 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/10/21 10:40	02/11/21 22:18	1
4-Bromofluorobenzene (Surr)	91		70 - 130	02/10/21 10:40	02/11/21 22:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		200		mg/Kg			02/11/21 00:37	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 04:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS141

Lab Sample ID: 890-168-21

Date Collected: 02/09/21 10:15

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 04:11	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 04:11	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 135				02/11/21 17:00	02/12/21 04:11	1
o-Terphenyl	98		70 - 135				02/11/21 17:00	02/12/21 04:11	1

Client Sample ID: FS142

Lab Sample ID: 890-168-22

Date Collected: 02/09/21 10:17

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
Ethylbenzene	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
Toluene	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
Total BTEX	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
Xylenes, Total	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
m,p-Xylenes	<0.0303	U	0.0303		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
o-Xylene	<0.0152	U	0.0152		mg/Kg		02/10/21 10:40	02/11/21 22:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/10/21 10:40	02/11/21 22:40	1
4-Bromofluorobenzene (Surr)	88		70 - 130				02/10/21 10:40	02/11/21 22:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7430		199		mg/Kg			02/11/21 00:43	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 05:17	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 05:17	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 05:17	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 135				02/11/21 17:00	02/12/21 05:17	1
o-Terphenyl	98		70 - 135				02/11/21 17:00	02/12/21 05:17	1

Client Sample ID: FS143

Lab Sample ID: 890-168-23

Date Collected: 02/09/21 10:19

Matrix: Solid

Date Received: 02/09/21 14:12

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 00:32	1
Ethylbenzene	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 00:32	1
Toluene	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 00:32	1
Total BTEX	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 00:32	1
Xylenes, Total	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 00:32	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS143

Lab Sample ID: 890-168-23

Date Collected: 02/09/21 10:19

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.0364	U	0.0364		mg/Kg		02/11/21 16:38	02/12/21 00:32	1
o-Xylene	<0.0182	U	0.0182		mg/Kg		02/11/21 16:38	02/12/21 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				02/11/21 16:38	02/12/21 00:32	1
4-Bromofluorobenzene (Surr)	89		70 - 130				02/11/21 16:38	02/12/21 00:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8520	F2	199		mg/Kg			02/11/21 01:17	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 05:38	1
Gasoline Range Hydrocarbons (GRO)	146		49.9		mg/kg		02/11/21 17:00	02/12/21 05:38	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 05:38	1
Total TPH	146		49.9		mg/kg		02/11/21 17:00	02/12/21 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 135				02/11/21 17:00	02/12/21 05:38	1
o-Terphenyl	101		70 - 135				02/11/21 17:00	02/12/21 05:38	1

Client Sample ID: FS144

Lab Sample ID: 890-168-24

Date Collected: 02/09/21 11:20

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
Ethylbenzene	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
Toluene	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
Total BTEX	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
Xylenes, Total	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
m,p-Xylenes	<0.0392	U	0.0392		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
o-Xylene	<0.0196	U	0.0196		mg/Kg		02/11/21 16:38	02/12/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/11/21 16:38	02/12/21 01:39	1
4-Bromofluorobenzene (Surr)	88		70 - 130				02/11/21 16:38	02/12/21 01:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8080		202		mg/Kg			02/11/21 01:34	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 01:17	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 01:17	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 01:17	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 01:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS144

Date Collected: 02/09/21 11:20

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-24

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 135	02/11/21 17:00	02/12/21 01:17	1
o-Terphenyl	96		70 - 135	02/11/21 17:00	02/12/21 01:17	1

Client Sample ID: FS145

Date Collected: 02/09/21 11:21

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-25

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
Ethylbenzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
Toluene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
Total BTEX	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
Xylenes, Total	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
m,p-Xylenes	<0.0357	U	0.0357		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
o-Xylene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				02/11/21 16:38	02/12/21 02:02	1
4-Bromofluorobenzene (Surr)	91		70 - 130				02/11/21 16:38	02/12/21 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		202		mg/Kg			02/11/21 01:40	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 01:39	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 01:39	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 01:39	1
Total TPH	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 135				02/11/21 17:00	02/12/21 01:39	1
o-Terphenyl	99		70 - 135				02/11/21 17:00	02/12/21 01:39	1

Client Sample ID: FS146

Date Collected: 02/09/21 11:22

Date Received: 02/09/21 14:12

Lab Sample ID: 890-168-26

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
Ethylbenzene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
Toluene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
Total BTEX	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
Xylenes, Total	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
m,p-Xylenes	<0.0339	U	0.0339		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
o-Xylene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130				02/11/21 16:38	02/12/21 02:24	

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS146

Lab Sample ID: 890-168-26

Date Collected: 02/09/21 11:22

Matrix: Solid

Date Received: 02/09/21 14:12

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/11/21 16:38	02/12/21 02:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9210		201		mg/Kg			02/11/21 01:45	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 02:01	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 02:01	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 02:01	1
Total TPH	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66		70 - 135	02/11/21 17:00	02/12/21 02:01	1
o-Terphenyl	74		70 - 135	02/11/21 17:00	02/12/21 02:01	1

Client Sample ID: FS147

Lab Sample ID: 890-168-27

Date Collected: 02/09/21 11:24

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
Ethylbenzene	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
Toluene	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
Total BTEX	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
Xylenes, Total	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
m,p-Xylenes	<0.0328	U	0.0328		mg/Kg		02/11/21 16:38	02/12/21 02:46	1
o-Xylene	<0.0164	U	0.0164		mg/Kg		02/11/21 16:38	02/12/21 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/11/21 16:38	02/12/21 02:46	1
4-Bromofluorobenzene (Surr)	90		70 - 130	02/11/21 16:38	02/12/21 02:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6420		200		mg/Kg			02/11/21 01:51	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:23	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:23	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:23	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 135	02/11/21 17:00	02/12/21 02:23	1
o-Terphenyl	83		70 - 135	02/11/21 17:00	02/12/21 02:23	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS148

Lab Sample ID: 890-168-28

Date Collected: 02/09/21 11:25

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
Ethylbenzene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
Toluene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
Total BTEX	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
Xylenes, Total	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
m,p-Xylenes	<0.0339	U	0.0339		mg/Kg		02/11/21 16:38	02/12/21 03:31	1
o-Xylene	<0.0169	U	0.0169		mg/Kg		02/11/21 16:38	02/12/21 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130	02/11/21 16:38	02/12/21 03:31	1
4-Bromofluorobenzene (Surr)	87		70 - 130	02/11/21 16:38	02/12/21 03:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		9.96		mg/Kg			02/11/21 02:08	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:45	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:45	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:45	1
Total TPH	<50.0	U	50.0		mg/kg		02/11/21 17:00	02/12/21 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 135	02/11/21 17:00	02/12/21 02:45	1
o-Terphenyl	92		70 - 135	02/11/21 17:00	02/12/21 02:45	1

Client Sample ID: FS149

Lab Sample ID: 890-168-29

Date Collected: 02/09/21 11:26

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
Ethylbenzene	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
Toluene	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
Total BTEX	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
Xylenes, Total	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
m,p-Xylenes	<0.0400	U	0.0400		mg/Kg		02/11/21 16:38	02/12/21 03:54	1
o-Xylene	<0.0200	U	0.0200		mg/Kg		02/11/21 16:38	02/12/21 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	105		70 - 130	02/11/21 16:38	02/12/21 03:54	1
4-Bromofluorobenzene (Surr)	88		70 - 130	02/11/21 16:38	02/12/21 03:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		9.92		mg/Kg			02/11/21 02:14	1

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 03:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS149

Lab Sample ID: 890-168-29

Date Collected: 02/09/21 11:26

Matrix: Solid

Date Received: 02/09/21 14:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 03:06	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 03:06	1
Total TPH	<49.9	U	49.9		mg/kg		02/11/21 17:00	02/12/21 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67		70 - 135				02/11/21 17:00	02/12/21 03:06	1
o-Terphenyl	74		70 - 135				02/11/21 17:00	02/12/21 03:06	1

Client Sample ID: FS150

Lab Sample ID: 890-168-30

Date Collected: 02/09/21 11:28

Matrix: Solid

Date Received: 02/09/21 14:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
Ethylbenzene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
Toluene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
Total BTEX	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
Xylenes, Total	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
m,p-Xylenes	<0.0357	U	0.0357		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
o-Xylene	<0.0179	U	0.0179		mg/Kg		02/11/21 16:38	02/12/21 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130				02/11/21 16:38	02/12/21 04:16	1
4-Bromofluorobenzene (Surr)	87		70 - 130				02/11/21 16:38	02/12/21 04:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		49.9		mg/Kg			02/11/21 02:20	5

Method: TPH SW8015_MOD - SW846 8015B DRO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 03:28	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 03:28	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 03:28	1
Total TPH	<49.8	U	49.8		mg/kg		02/11/21 17:00	02/12/21 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 135				02/11/21 17:00	02/12/21 03:28	1
o-Terphenyl	86		70 - 135				02/11/21 17:00	02/12/21 03:28	1

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1 (70-130)	BFB1 (70-130)
890-168-1	FS121	104	90
890-168-2	FS122	103	87
890-168-3	FS123	99	86
890-168-3 MS	FS123	97	106
890-168-3 MSD	FS123	96	99
890-168-4	FS124	98	98
890-168-5	FS125	103	109
890-168-6	FS126	99	105
890-168-7	FS127	106	108
890-168-8	FS128	103	87
890-168-9	FS129	92	106
890-168-10	FS130	103	189 S1+
890-168-11	FS131	104	88
890-168-12	FS132	100	91
890-168-13	FS133	96	100
890-168-14	FS134	104	145 S1+
890-168-15	FS135	106	93
890-168-16	FS136	106	91
890-168-17	FS137	102	86
890-168-18	FS138	103	88
890-168-19	FS139	102	90
890-168-20	FS140	104	90
890-168-21	FS141	104	91
890-168-22	FS142	104	88
890-168-23	FS143	103	89
890-168-23 MS	FS143	99	87
890-168-23 MSD	FS143	98	83
890-168-24	FS144	104	88
890-168-25	FS145	104	91
890-168-26	FS146	106	91
890-168-27	FS147	105	90
890-168-28	FS148	104	87
890-168-29	FS149	105	88
890-168-30	FS150	102	87
LCS 890-235/2-A	Lab Control Sample	98	83
LCS 890-253/2-A	Lab Control Sample	98	83
LCSD 890-235/3-A	Lab Control Sample Dup	99	83
LCSD 890-253/3-A	Lab Control Sample Dup	99	85
MB 890-235/1-A	Method Blank	101	87
MB 890-253/1-A	Method Blank	103	87

Surrogate Legend

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-168-1

Project/Site: Stovepipe Release

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)
890-168-1	FS121	126	123
890-168-2	FS122	120	117
890-168-3	FS123	118	121
890-168-4	FS124	116	127
890-168-5	FS125	111	113
890-168-6	FS126	113	115
890-168-7	FS127	114	119
890-168-8	FS128	100	104
890-168-9	FS129	113	141
890-168-10	FS130	106	114
890-168-11	FS131	109	109
890-168-12	FS132	109	122
890-168-13	FS133	130	141
890-168-14	FS134	105	125
890-168-15	FS135	116	132
890-168-16	FS136	106	101
890-168-17	FS137	118	118
890-168-18	FS138	106	107
890-168-19	FS139	108	112
890-168-20	FS140	103	100
890-168-21	FS141	77	98
890-168-22	FS142	77	98
890-168-23	FS143	78	101
890-168-24	FS144	80	96
890-168-25	FS145	87	99
890-168-26	FS146	66	74
890-168-27	FS147	72	83
890-168-28	FS148	85	92
890-168-29	FS149	67	74
890-168-30	FS150	75	86

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-235/1-A

Matrix: Solid

Analysis Batch: 234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/10/21 10:40	02/11/21 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/21 10:40	02/11/21 12:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/10/21 10:40	02/11/21 12:57	1
4-Bromofluorobenzene (Surr)	87		70 - 130	02/10/21 10:40	02/11/21 12:57	1

Lab Sample ID: LCS 890-235/2-A

Matrix: Solid

Analysis Batch: 234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09616		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09229		mg/Kg		92	71 - 129
Toluene	0.100	0.09624		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1812		mg/Kg		91	70 - 135
o-Xylene	0.100	0.09314		mg/Kg		93	71 - 133

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

Lab Sample ID: LCSD 890-235/3-A

Matrix: Solid

Analysis Batch: 234

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09850		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.08898		mg/Kg		89	71 - 129	4	35
Toluene	0.100	0.09582		mg/Kg		96	70 - 130	0	35
m,p-Xylenes	0.200	0.1715		mg/Kg		86	70 - 135	6	35
o-Xylene	0.100	0.08959		mg/Kg		90	71 - 133	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 890-168-3 MS

Matrix: Solid

Analysis Batch: 234

Client Sample ID: FS123

Prep Type: Total/NA

Prep Batch: 235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.0196	U	1.00	1.057		mg/Kg		106	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

Lab Sample ID: 890-168-3 MS

Matrix: Solid

Analysis Batch: 234

Client Sample ID: FS123

Prep Type: Total/NA

Prep Batch: 235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.125		1.00	1.160		mg/Kg		103	71 - 129
Toluene	0.0889		1.00	1.084		mg/Kg		100	70 - 130
m,p-Xylenes	0.487		2.00	2.066		mg/Kg		79	70 - 135
o-Xylene	0.184		1.00	1.038		mg/Kg		85	71 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,4-Difluorobenzene	97		70 - 130						
4-Bromofluorobenzene (Surr)	106		70 - 130						

Lab Sample ID: 890-168-3 MSD

Matrix: Solid

Analysis Batch: 234

Client Sample ID: FS123

Prep Type: Total/NA

Prep Batch: 235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.0196	U	1.00	1.081		mg/Kg		108	70 - 130	2	35
Ethylbenzene	0.125		1.00	1.105		mg/Kg		98	71 - 129	5	35
Toluene	0.0889		1.00	1.108		mg/Kg		102	70 - 130	2	35
m,p-Xylenes	0.487		2.00	2.105		mg/Kg		81	70 - 135	2	35
o-Xylene	0.184		1.00	1.055		mg/Kg		87	71 - 133	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	96		70 - 130								
4-Bromofluorobenzene (Surr)	99		70 - 130								

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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

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
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	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: 890-168-23 MS

Matrix: Solid

Analysis Batch: 234

Client Sample ID: FS143

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
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: 890-168-23 MSD

Matrix: Solid

Analysis Batch: 234

Client Sample ID: FS143

Prep Type: Total/NA

Prep Batch: 253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	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

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-226/1-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			02/10/21 18:44	1

Lab Sample ID: MB 890-227/1-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			02/10/21 21:53	1

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 890-226/2-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	527.2		mg/Kg		105	90 - 110

Lab Sample ID: LCS 890-227/2-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	526.9		mg/Kg		105	90 - 110

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 890-226/3-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	524.9		mg/Kg		105	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 890-227/3-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	525.5		mg/Kg		105	90 - 110	0	20

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: 890-167-A-13-B MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8570		503	8768	4	mg/Kg		40	90 - 110		

Lab Sample ID: 890-167-A-13-C MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8570		504	8630	4	mg/Kg		12	90 - 110	2	20

Lab Sample ID: 890-168-3 MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS123

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	19800		504	19790	4	mg/Kg		-7	90 - 110		

Lab Sample ID: 890-168-3 MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS123

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	19800		505	19900	4	mg/Kg		13	90 - 110	1	20

Lab Sample ID: 890-168-13 MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS133

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7920		505	8165	4	mg/Kg		49	90 - 110		

Lab Sample ID: 890-168-13 MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS133

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7920		505	8081	4	mg/Kg		33	90 - 110	1	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-168-23 MS

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS143

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8520	F2	503	11670	4	mg/Kg		626	90 - 110

Lab Sample ID: 890-168-23 MSD

Matrix: Solid

Analysis Batch: 239

Client Sample ID: FS143

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8520	F2	503	8785	4 F2	mg/Kg		53	90 - 110	28	20

Method: TPH SW8015_MOD - SW846 8015B DRO

Lab Sample ID: 7721364-1-BLK

Matrix: SOIL

Analysis Batch: 3150877

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150877_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		02/11/21 12:00	02/11/21 11:34	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		02/11/21 12:00	02/11/21 11:34	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		02/11/21 12:00	02/11/21 11:34	1

Lab Sample ID: 7721364-1-BKS

Matrix: SOIL

Analysis Batch: 3150877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150877_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	966		mg/kg		97	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1030		mg/kg		103	70 - 135

Lab Sample ID: 7721364-1-BSD

Matrix: SOIL

Analysis Batch: 3150877

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150877_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	993		mg/kg		99	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	965		mg/kg		97	70 - 135	7	20

Lab Sample ID: 688010-001 S

Matrix: SOIL

Analysis Batch: 3150877

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3150877_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	59.4		997	1080		mg/kg		102	70 - 135
Gasoline Range Hydrocarbons (GRO)	<49.8		997	932		mg/kg		93	70 - 135

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

Lab Sample ID: 688010-001 SD

Matrix: SOIL

Analysis Batch: 3150877

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3150877_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	59.4		996	1100		mg/kg		104	70 - 135	2	20
Gasoline Range Hydrocarbons (GRO)	<49.8		996	993		mg/kg		100	70 - 135	6	20

Lab Sample ID: 7721374-1-BLK

Matrix: SOIL

Analysis Batch: 3150890

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150890_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		02/11/21 17:00	02/12/21 03:06	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		02/11/21 17:00	02/12/21 03:06	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		02/11/21 17:00	02/12/21 03:06	1

Lab Sample ID: 7721374-1-BKS

Matrix: SOIL

Analysis Batch: 3150890

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150890_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	819		mg/kg		82	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	825		mg/kg		83	70 - 135

Lab Sample ID: 7721374-1-BSD

Matrix: SOIL

Analysis Batch: 3150890

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150890_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	821		mg/kg		82	70 - 135	0	20
Gasoline Range Hydrocarbons (GRO)	1000	849		mg/kg		85	70 - 135	3	20

Lab Sample ID: 688010-021 S

Matrix: SOIL

Analysis Batch: 3150890

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3150890_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		998	787		mg/kg		79	70 - 135		
Gasoline Range Hydrocarbons (GRO)	<49.9		998	854		mg/kg		86	70 - 135		

Lab Sample ID: 688010-021 SD

Matrix: SOIL

Analysis Batch: 3150890

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3150890_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		997	761		mg/kg		76	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	<49.9		997	813		mg/kg		82	70 - 135	5	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

GC VOA

Analysis Batch: 234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Total/NA	Solid	8021B	253
890-168-2	FS122	Total/NA	Solid	8021B	253
890-168-3	FS123	Total/NA	Solid	8021B	235
890-168-4	FS124	Total/NA	Solid	8021B	235
890-168-5	FS125	Total/NA	Solid	8021B	235
890-168-6	FS126	Total/NA	Solid	8021B	235
890-168-7	FS127	Total/NA	Solid	8021B	235
890-168-8	FS128	Total/NA	Solid	8021B	235
890-168-9	FS129	Total/NA	Solid	8021B	235
890-168-10	FS130	Total/NA	Solid	8021B	235
890-168-11	FS131	Total/NA	Solid	8021B	235
890-168-12	FS132	Total/NA	Solid	8021B	235
890-168-13	FS133	Total/NA	Solid	8021B	235
890-168-14	FS134	Total/NA	Solid	8021B	235
890-168-15	FS135	Total/NA	Solid	8021B	235
890-168-16	FS136	Total/NA	Solid	8021B	235
890-168-17	FS137	Total/NA	Solid	8021B	235
890-168-18	FS138	Total/NA	Solid	8021B	235
890-168-19	FS139	Total/NA	Solid	8021B	235
890-168-20	FS140	Total/NA	Solid	8021B	235
890-168-21	FS141	Total/NA	Solid	8021B	235
890-168-22	FS142	Total/NA	Solid	8021B	235
890-168-23	FS143	Total/NA	Solid	8021B	253
890-168-24	FS144	Total/NA	Solid	8021B	253
890-168-25	FS145	Total/NA	Solid	8021B	253
890-168-26	FS146	Total/NA	Solid	8021B	253
890-168-27	FS147	Total/NA	Solid	8021B	253
890-168-28	FS148	Total/NA	Solid	8021B	253
890-168-29	FS149	Total/NA	Solid	8021B	253
890-168-30	FS150	Total/NA	Solid	8021B	253
MB 890-235/1-A	Method Blank	Total/NA	Solid	8021B	235
MB 890-253/1-A	Method Blank	Total/NA	Solid	8021B	253
LCS 890-235/2-A	Lab Control Sample	Total/NA	Solid	8021B	235
LCS 890-253/2-A	Lab Control Sample	Total/NA	Solid	8021B	253
LCSD 890-235/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	235
LCSD 890-253/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	253
890-168-3 MS	FS123	Total/NA	Solid	8021B	235
890-168-3 MSD	FS123	Total/NA	Solid	8021B	235
890-168-23 MS	FS143	Total/NA	Solid	8021B	253
890-168-23 MSD	FS143	Total/NA	Solid	8021B	253

Prep Batch: 235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-3	FS123	Total/NA	Solid	5035	
890-168-4	FS124	Total/NA	Solid	5035	
890-168-5	FS125	Total/NA	Solid	5035	
890-168-6	FS126	Total/NA	Solid	5035	
890-168-7	FS127	Total/NA	Solid	5035	
890-168-8	FS128	Total/NA	Solid	5035	
890-168-9	FS129	Total/NA	Solid	5035	
890-168-10	FS130	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

GC VOA (Continued)

Prep Batch: 235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-11	FS131	Total/NA	Solid	5035	
890-168-12	FS132	Total/NA	Solid	5035	
890-168-13	FS133	Total/NA	Solid	5035	
890-168-14	FS134	Total/NA	Solid	5035	
890-168-15	FS135	Total/NA	Solid	5035	
890-168-16	FS136	Total/NA	Solid	5035	
890-168-17	FS137	Total/NA	Solid	5035	
890-168-18	FS138	Total/NA	Solid	5035	
890-168-19	FS139	Total/NA	Solid	5035	
890-168-20	FS140	Total/NA	Solid	5035	
890-168-21	FS141	Total/NA	Solid	5035	
890-168-22	FS142	Total/NA	Solid	5035	
MB 890-235/1-A	Method Blank	Total/NA	Solid	5035	
LCS 890-235/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 890-235/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-168-3 MS	FS123	Total/NA	Solid	5035	
890-168-3 MSD	FS123	Total/NA	Solid	5035	

Prep Batch: 253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Total/NA	Solid	5035	
890-168-2	FS122	Total/NA	Solid	5035	
890-168-23	FS143	Total/NA	Solid	5035	
890-168-24	FS144	Total/NA	Solid	5035	
890-168-25	FS145	Total/NA	Solid	5035	
890-168-26	FS146	Total/NA	Solid	5035	
890-168-27	FS147	Total/NA	Solid	5035	
890-168-28	FS148	Total/NA	Solid	5035	
890-168-29	FS149	Total/NA	Solid	5035	
890-168-30	FS150	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	
890-168-23 MS	FS143	Total/NA	Solid	5035	
890-168-23 MSD	FS143	Total/NA	Solid	5035	

HPLC/IC

Leach Batch: 226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Soluble	Solid	DI Leach	
890-168-2	FS122	Soluble	Solid	DI Leach	
MB 890-226/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-226/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-226/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-167-A-13-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-167-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-3	FS123	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

HPLC/IC (Continued)

Leach Batch: 227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-4	FS124	Soluble	Solid	DI Leach	
890-168-5	FS125	Soluble	Solid	DI Leach	
890-168-6	FS126	Soluble	Solid	DI Leach	
890-168-7	FS127	Soluble	Solid	DI Leach	
890-168-8	FS128	Soluble	Solid	DI Leach	
890-168-9	FS129	Soluble	Solid	DI Leach	
890-168-10	FS130	Soluble	Solid	DI Leach	
890-168-11	FS131	Soluble	Solid	DI Leach	
890-168-12	FS132	Soluble	Solid	DI Leach	
890-168-13	FS133	Soluble	Solid	DI Leach	
890-168-14	FS134	Soluble	Solid	DI Leach	
890-168-15	FS135	Soluble	Solid	DI Leach	
890-168-16	FS136	Soluble	Solid	DI Leach	
890-168-17	FS137	Soluble	Solid	DI Leach	
890-168-18	FS138	Soluble	Solid	DI Leach	
890-168-19	FS139	Soluble	Solid	DI Leach	
890-168-20	FS140	Soluble	Solid	DI Leach	
890-168-21	FS141	Soluble	Solid	DI Leach	
890-168-22	FS142	Soluble	Solid	DI Leach	
MB 890-227/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-227/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-227/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-168-3 MS	FS123	Soluble	Solid	DI Leach	
890-168-3 MSD	FS123	Soluble	Solid	DI Leach	
890-168-13 MS	FS133	Soluble	Solid	DI Leach	
890-168-13 MSD	FS133	Soluble	Solid	DI Leach	

Leach Batch: 228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-23	FS143	Soluble	Solid	DI Leach	
890-168-24	FS144	Soluble	Solid	DI Leach	
890-168-25	FS145	Soluble	Solid	DI Leach	
890-168-26	FS146	Soluble	Solid	DI Leach	
890-168-27	FS147	Soluble	Solid	DI Leach	
890-168-28	FS148	Soluble	Solid	DI Leach	
890-168-29	FS149	Soluble	Solid	DI Leach	
890-168-30	FS150	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	
890-168-23 MS	FS143	Soluble	Solid	DI Leach	
890-168-23 MSD	FS143	Soluble	Solid	DI Leach	

Analysis Batch: 239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Soluble	Solid	300.0	226
890-168-2	FS122	Soluble	Solid	300.0	226
890-168-3	FS123	Soluble	Solid	300.0	227
890-168-4	FS124	Soluble	Solid	300.0	227
890-168-5	FS125	Soluble	Solid	300.0	227
890-168-6	FS126	Soluble	Solid	300.0	227

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

HPLC/IC (Continued)

Analysis Batch: 239 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-7	FS127	Soluble	Solid	300.0	227
890-168-8	FS128	Soluble	Solid	300.0	227
890-168-9	FS129	Soluble	Solid	300.0	227
890-168-10	FS130	Soluble	Solid	300.0	227
890-168-11	FS131	Soluble	Solid	300.0	227
890-168-12	FS132	Soluble	Solid	300.0	227
890-168-13	FS133	Soluble	Solid	300.0	227
890-168-14	FS134	Soluble	Solid	300.0	227
890-168-15	FS135	Soluble	Solid	300.0	227
890-168-16	FS136	Soluble	Solid	300.0	227
890-168-17	FS137	Soluble	Solid	300.0	227
890-168-18	FS138	Soluble	Solid	300.0	227
890-168-19	FS139	Soluble	Solid	300.0	227
890-168-20	FS140	Soluble	Solid	300.0	227
890-168-21	FS141	Soluble	Solid	300.0	227
890-168-22	FS142	Soluble	Solid	300.0	227
890-168-23	FS143	Soluble	Solid	300.0	228
890-168-24	FS144	Soluble	Solid	300.0	228
890-168-25	FS145	Soluble	Solid	300.0	228
890-168-26	FS146	Soluble	Solid	300.0	228
890-168-27	FS147	Soluble	Solid	300.0	228
890-168-28	FS148	Soluble	Solid	300.0	228
890-168-29	FS149	Soluble	Solid	300.0	228
890-168-30	FS150	Soluble	Solid	300.0	228
MB 890-226/1-A	Method Blank	Soluble	Solid	300.0	226
MB 890-227/1-A	Method Blank	Soluble	Solid	300.0	227
MB 890-228/1-A	Method Blank	Soluble	Solid	300.0	228
LCS 890-226/2-A	Lab Control Sample	Soluble	Solid	300.0	226
LCS 890-227/2-A	Lab Control Sample	Soluble	Solid	300.0	227
LCS 890-228/2-A	Lab Control Sample	Soluble	Solid	300.0	228
LCSD 890-226/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	226
LCSD 890-227/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	227
LCSD 890-228/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	228
890-167-A-13-B MS	Matrix Spike	Soluble	Solid	300.0	226
890-167-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	226
890-168-3 MS	FS123	Soluble	Solid	300.0	227
890-168-3 MSD	FS123	Soluble	Solid	300.0	227
890-168-13 MS	FS133	Soluble	Solid	300.0	227
890-168-13 MSD	FS133	Soluble	Solid	300.0	227
890-168-23 MS	FS143	Soluble	Solid	300.0	228
890-168-23 MSD	FS143	Soluble	Solid	300.0	228

Subcontract

Analysis Batch: 3150877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Total/NA	Solid	TPH	3150877_P
890-168-2	FS122	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-3	FS123	Total/NA	Solid	SW8015_MOD TPH	3150877_P
				SW8015_MOD	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Subcontract (Continued)

Analysis Batch: 3150877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-4	FS124	Total/NA	Solid	TPH	3150877_P
890-168-5	FS125	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-6	FS126	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-7	FS127	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-8	FS128	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-9	FS129	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-10	FS130	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-11	FS131	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-12	FS132	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-13	FS133	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-14	FS134	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-15	FS135	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-16	FS136	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-17	FS137	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-18	FS138	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-19	FS139	Total/NA	Solid	SW8015_MOD TPH	3150877_P
890-168-20	FS140	Total/NA	Solid	SW8015_MOD TPH	3150877_P
7721364-1-BLK	Method Blank	Total/NA	SOIL	SW8015_MOD TPH	3150877_P
7721364-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015_MOD TPH	3150877_P
7721364-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015_MOD TPH	3150877_P
688010-001 S	Matrix Spike	Total/NA	SOIL	SW8015_MOD TPH	3150877_P
688010-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW8015_MOD TPH	3150877_P

Analysis Batch: 3150890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-21	FS141	Total/NA	Solid	TPH	3150890_P
890-168-22	FS142	Total/NA	Solid	SW8015_MOD TPH	3150890_P
890-168-23	FS143	Total/NA	Solid	SW8015_MOD TPH	3150890_P
890-168-24	FS144	Total/NA	Solid	SW8015_MOD TPH	3150890_P
890-168-25	FS145	Total/NA	Solid	SW8015_MOD TPH	3150890_P

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Subcontract (Continued)

Analysis Batch: 3150890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-26	FS146	Total/NA	Solid	TPH	3150890_P
890-168-27	FS147	Total/NA	Solid	SW8015_MOD	3150890_P
890-168-28	FS148	Total/NA	Solid	TPH	3150890_P
890-168-29	FS149	Total/NA	Solid	SW8015_MOD	3150890_P
890-168-30	FS150	Total/NA	Solid	TPH	3150890_P
7721374-1-BLK	Method Blank	Total/NA	SOIL	SW8015_MOD	3150890_P
7721374-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH	3150890_P
7721374-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015_MOD	3150890_P
688010-021 S	Matrix Spike	Total/NA	SOIL	TPH	3150890_P
688010-021 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW8015_MOD	3150890_P

Prep Batch: 3150877_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-1	FS121	Total/NA	Solid	SW8015P	
890-168-2	FS122	Total/NA	Solid	SW8015P	
890-168-3	FS123	Total/NA	Solid	SW8015P	
890-168-4	FS124	Total/NA	Solid	SW8015P	
890-168-5	FS125	Total/NA	Solid	SW8015P	
890-168-6	FS126	Total/NA	Solid	SW8015P	
890-168-7	FS127	Total/NA	Solid	SW8015P	
890-168-8	FS128	Total/NA	Solid	SW8015P	
890-168-9	FS129	Total/NA	Solid	SW8015P	
890-168-10	FS130	Total/NA	Solid	SW8015P	
890-168-11	FS131	Total/NA	Solid	SW8015P	
890-168-12	FS132	Total/NA	Solid	SW8015P	
890-168-13	FS133	Total/NA	Solid	SW8015P	
890-168-14	FS134	Total/NA	Solid	SW8015P	
890-168-15	FS135	Total/NA	Solid	SW8015P	
890-168-16	FS136	Total/NA	Solid	SW8015P	
890-168-17	FS137	Total/NA	Solid	SW8015P	
890-168-18	FS138	Total/NA	Solid	SW8015P	
890-168-19	FS139	Total/NA	Solid	SW8015P	
890-168-20	FS140	Total/NA	Solid	SW8015P	
7721364-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721364-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721364-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
688010-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
688010-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Subcontract

Prep Batch: 3150890_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-168-21	FS141	Total/NA	Solid	SW8015P	
890-168-22	FS142	Total/NA	Solid	SW8015P	
890-168-23	FS143	Total/NA	Solid	SW8015P	
890-168-24	FS144	Total/NA	Solid	SW8015P	
890-168-25	FS145	Total/NA	Solid	SW8015P	
890-168-26	FS146	Total/NA	Solid	SW8015P	
890-168-27	FS147	Total/NA	Solid	SW8015P	
890-168-28	FS148	Total/NA	Solid	SW8015P	
890-168-29	FS149	Total/NA	Solid	SW8015P	
890-168-30	FS150	Total/NA	Solid	SW8015P	
7721374-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721374-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721374-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
688010-021 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
688010-021 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS121

Lab Sample ID: 890-168-1

Date Collected: 02/09/21 09:38

Matrix: Solid

Date Received: 02/09/21 14:12

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 06:30	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 21:30	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 12:39	ARM	XM

Client Sample ID: FS122

Lab Sample ID: 890-168-2

Date Collected: 02/09/21 09:40

Matrix: Solid

Date Received: 02/09/21 14:12

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 06:53	PXS	XC
Soluble	Leach	DI Leach			226	02/09/21 18:48	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 21:36	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 13:42	ARM	XM

Client Sample ID: FS123

Lab Sample ID: 890-168-3

Date Collected: 02/09/21 09:42

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 14:04	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 22:10	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 14:03	ARM	XM

Client Sample ID: FS124

Lab Sample ID: 890-168-4

Date Collected: 02/09/21 09:43

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 15:12	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 22:27	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 14:24	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS125

Lab Sample ID: 890-168-5

Date Collected: 02/09/21 09:45

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 15:34	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 22:33	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 14:46	ARM	XM

Client Sample ID: FS126

Lab Sample ID: 890-168-6

Date Collected: 02/09/21 09:46

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 15:56	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 22:38	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 15:08	ARM	XM

Client Sample ID: FS127

Lab Sample ID: 890-168-7

Date Collected: 02/09/21 09:47

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 16:19	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		1	239	02/10/21 22:55	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 15:29	ARM	XM

Client Sample ID: FS128

Lab Sample ID: 890-168-8

Date Collected: 02/09/21 09:49

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 17:04	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:01	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 15:50	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS129

Lab Sample ID: 890-168-9

Date Collected: 02/09/21 09:51

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 17:26	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:07	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 16:12	ARM	XM

Client Sample ID: FS130

Lab Sample ID: 890-168-10

Date Collected: 02/09/21 09:53

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 17:49	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:12	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 16:34	ARM	XM

Client Sample ID: FS131

Lab Sample ID: 890-168-11

Date Collected: 02/09/21 09:54

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 18:11	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:18	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 17:17	ARM	XM

Client Sample ID: FS132

Lab Sample ID: 890-168-12

Date Collected: 02/09/21 09:56

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 18:33	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:24	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 17:39	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS133

Lab Sample ID: 890-168-13

Date Collected: 02/09/21 09:58

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 18:56	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:29	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 18:00	ARM	XM

Client Sample ID: FS134

Lab Sample ID: 890-168-14

Date Collected: 02/09/21 10:02

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 19:18	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/10/21 23:46	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 18:22	ARM	XM

Client Sample ID: FS135

Lab Sample ID: 890-168-15

Date Collected: 02/09/21 10:04

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 19:41	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 00:03	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 18:44	ARM	XM

Client Sample ID: FS136

Lab Sample ID: 890-168-16

Date Collected: 02/09/21 10:05

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 20:03	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:09	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 19:05	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS137

Lab Sample ID: 890-168-17

Date Collected: 02/09/21 10:07

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 20:26	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:15	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 19:26	ARM	XM

Client Sample ID: FS138

Lab Sample ID: 890-168-18

Date Collected: 02/09/21 10:09

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 21:10	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 00:20	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 19:48	ARM	XM

Client Sample ID: FS139

Lab Sample ID: 890-168-19

Date Collected: 02/09/21 10:11

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 21:33	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:26	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 20:10	ARM	XM

Client Sample ID: FS140

Lab Sample ID: 890-168-20

Date Collected: 02/09/21 10:13

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 21:55	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:32	A1S	XC
Total/NA	Prep	SW8015P		1	3150877_P	02/11/21 12:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150877	02/11/21 20:31	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS141

Lab Sample ID: 890-168-21

Date Collected: 02/09/21 10:15

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 22:18	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:37	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 04:11	ARM	XM

Client Sample ID: FS142

Lab Sample ID: 890-168-22

Date Collected: 02/09/21 10:17

Matrix: Solid

Date Received: 02/09/21 14:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			235	02/10/21 10:40	MC	XC
Total/NA	Analysis	8021B		1	234	02/11/21 22:40	PXS	XC
Soluble	Leach	DI Leach			227	02/09/21 18:54	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 00:43	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 05:17	ARM	XM

Client Sample ID: FS143

Lab Sample ID: 890-168-23

Date Collected: 02/09/21 10:19

Matrix: Solid

Date Received: 02/09/21 14:12

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 00:32	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 01:17	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 05:38	ARM	XM

Client Sample ID: FS144

Lab Sample ID: 890-168-24

Date Collected: 02/09/21 11:20

Matrix: Solid

Date Received: 02/09/21 14:12

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 01:39	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 01:34	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 01:17	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS145

Lab Sample ID: 890-168-25

Date Collected: 02/09/21 11:21

Matrix: Solid

Date Received: 02/09/21 14:12

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 02:02	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 01:40	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 01:39	ARM	XM

Client Sample ID: FS146

Lab Sample ID: 890-168-26

Date Collected: 02/09/21 11:22

Matrix: Solid

Date Received: 02/09/21 14:12

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 02:24	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 01:45	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 02:01	ARM	XM

Client Sample ID: FS147

Lab Sample ID: 890-168-27

Date Collected: 02/09/21 11:24

Matrix: Solid

Date Received: 02/09/21 14:12

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 02:46	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		20	239	02/11/21 01:51	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 02:23	ARM	XM

Client Sample ID: FS148

Lab Sample ID: 890-168-28

Date Collected: 02/09/21 11:25

Matrix: Solid

Date Received: 02/09/21 14:12

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 03:31	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 02:08	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 02:45	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Client Sample ID: FS149**Date Collected: 02/09/21 11:26****Date Received: 02/09/21 14:12****Lab Sample ID: 890-168-29****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 03:54	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		1	239	02/11/21 02:14	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 03:06	ARM	XM

Client Sample ID: FS150**Date Collected: 02/09/21 11:28****Date Received: 02/09/21 14:12****Lab Sample ID: 890-168-30****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 04:16	PXS	XC
Soluble	Leach	DI Leach			228	02/10/21 10:58	MC	XC
Soluble	Analysis	300.0		5	239	02/11/21 02:20	A1S	XC
Total/NA	Prep	SW8015P		1	3150890_P	02/11/21 17:00		XM
Total/NA	Analysis	TPH SW8015_MOD		1	3150890	02/12/21 03:28	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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

Eurofins Xenco, Carlsbad

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

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

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-168-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-168-1	FS121	Solid	02/09/21 09:38	02/09/21 14:12	
890-168-2	FS122	Solid	02/09/21 09:40	02/09/21 14:12	
890-168-3	FS123	Solid	02/09/21 09:42	02/09/21 14:12	
890-168-4	FS124	Solid	02/09/21 09:43	02/09/21 14:12	
890-168-5	FS125	Solid	02/09/21 09:45	02/09/21 14:12	
890-168-6	FS126	Solid	02/09/21 09:46	02/09/21 14:12	
890-168-7	FS127	Solid	02/09/21 09:47	02/09/21 14:12	
890-168-8	FS128	Solid	02/09/21 09:49	02/09/21 14:12	
890-168-9	FS129	Solid	02/09/21 09:51	02/09/21 14:12	
890-168-10	FS130	Solid	02/09/21 09:53	02/09/21 14:12	
890-168-11	FS131	Solid	02/09/21 09:54	02/09/21 14:12	
890-168-12	FS132	Solid	02/09/21 09:56	02/09/21 14:12	
890-168-13	FS133	Solid	02/09/21 09:58	02/09/21 14:12	
890-168-14	FS134	Solid	02/09/21 10:02	02/09/21 14:12	
890-168-15	FS135	Solid	02/09/21 10:04	02/09/21 14:12	
890-168-16	FS136	Solid	02/09/21 10:05	02/09/21 14:12	
890-168-17	FS137	Solid	02/09/21 10:07	02/09/21 14:12	
890-168-18	FS138	Solid	02/09/21 10:09	02/09/21 14:12	
890-168-19	FS139	Solid	02/09/21 10:11	02/09/21 14:12	
890-168-20	FS140	Solid	02/09/21 10:13	02/09/21 14:12	
890-168-21	FS141	Solid	02/09/21 10:15	02/09/21 14:12	
890-168-22	FS142	Solid	02/09/21 10:17	02/09/21 14:12	
890-168-23	FS143	Solid	02/09/21 10:19	02/09/21 14:12	
890-168-24	FS144	Solid	02/09/21 11:20	02/09/21 14:12	
890-168-25	FS145	Solid	02/09/21 11:21	02/09/21 14:12	
890-168-26	FS146	Solid	02/09/21 11:22	02/09/21 14:12	
890-168-27	FS147	Solid	02/09/21 11:24	02/09/21 14:12	
890-168-28	FS148	Solid	02/09/21 11:25	02/09/21 14:12	
890-168-29	FS149	Solid	02/09/21 11:26	02/09/21 14:12	
890-168-30	FS150	Solid	02/09/21 11:28	02/09/21 14:12	

Eurofins Xenco, Carlsbad



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

Chain of Custody

Work Order No: _____

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2/22/2021

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: UST/PT	☐ RP	☐ Groundfields	☐ RC	☐ Superfund
State of Project:				
Reporting Level II	☐ Level III	☐ ST/UST	☐ RP	☐ Level IV
Deliverables: EDD	☐	ADAPT	☐	Other:

Project Name:	Stovepipe Release	Turn Around	
Project Number:		Routine	☐
P.O. Number:	Lea	Rush: 3day/CT	
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	Correction Factor:
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Total Containers:
Sample Custody Seals:	Yes ☒ No ☐ N/A	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	ANALYSIS REQUEST	Work Order Notes
FS01	S	2/4/2021	14:14:5	4'	1	X	X	X		Composite
FS02	S	2/4/2021	14:15:0	4'	1	X	X	X		Composite
FS03	S	2/4/2021	14:15:2	4'	1	X	X	X		Composite
FS04	S	2/4/2021	14:15:5	4'	1	X	X	X		Composite
FS05	S	2/4/2021	14:18:0	4'	1	X	X	X		Composite
FS06	S	2/4/2021	14:15:2	4'	1	X	X	X		Composite
FS07	S	2/4/2021	14:15:4	4'	1	X	X	X		Composite
FS08	S	2/4/2021	14:15:6	4'	1	X	X	X		Composite
FS09	S	2/4/2021	14:15:7	4'	1	X	X	X		Composite
FS10	S	2/4/2021	15:00:6	4'	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 Ti 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 Ti 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
		2-9-21 1412			



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0350 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1256
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)
Hobbs, NM (575-392-7550)

Work Order No: _____

www.xenco.com Page 2 of 2

2/22/2021

Chain of Custody

Project Manager:		Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Work Order Comments				
Program: UST/PST ☐ RP ☐ Growfields ☒ RC ☐ Superfund ☐				
State of Project:				
Reporting Level: I ☐ Level III ☐ ST/UST ☐ RP ☐ Level IV ☐				
Deliverables: EDD ☐ ADAPT ☐ Other: ☐				

[illegible]

Sample Identification						Matrix	Date Sampled	Time Sampled	Depth												
							Number	TPH (EP)	BTEX (P)	Chloride										Sample Comments	
FS11							S	2/4/2021	15:02	4'	1	X	X	X							Composite
FS12							S	2/4/2021	15:05	4'	1	X	X	X							Composite
FS13							S	2/4/2021	15:08	4'	1	X	X	X							Composite
FS14							S	2/4/2021	15:09	4'	1	X	X	X							Composite
FS15							S	2/4/2021	15:09	4'	1	X	X	X							Composite
FS16							S	2/4/2021	14:57	4'	1	X	X	X							Composite
FS17							S	2/4/2021	14:54	4'	1	X	X	X							Composite
FS18							S	2/4/2021	15:00	4'	1	X	X	X							Composite
SW11							S	2/4/2021	11:20	0-4'	1	X	X	X							Composite
SW21							S	2/4/2021	12:10	0-4'	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 Ti Sn U V Zn																		
<i>Circle Method(s) and Metal(s) to be analyzed</i>			TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U																		
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time																
<i>[Signature]</i>	<i>[Signature]</i>	2-9-21 141Z																			



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Hobbs, NM (575-392-7550)

Work Order No: _____

Page 1 of 3

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Chain of Custody

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Work Order Comments			
Program: UST/PST	☐ RP	☐ Crownfields	☒ RC ☐ Deepfund
State of Project:			
Reporting Level II	☐ Level III	☐ PST/UST	☐ RP ☐ Level IV ☐
Deliverables: EDD	☐	ADAPT ☐	Other: ☐

ANALYSIS REQUEST				Work Order Notes
Project Name:	Stovepipe Release	Turn Around		 890-168 Chain of Custody TAT starts the day received by the lab, if received by 4:30pm
Project Number:		Routine ☐		
P.O. Number:	Lea	Rush <u>3 days</u>		
Sampler's Name:	William Mather	Due Date:		
SAMPLE RECEIPT				
Temperature (°C):	2.0/1.8	Temp Blank: ☒ Yes ☐ No	Well Ice: ☒ Yes ☐ No	
Received Intact:	☒ Yes ☐ No	Thermometer ID		
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:		-0.2
Sample Custody Seals:	Yes ☐ No ☒ N/A	Total Containers:		30
Number of Containers				
EPA 8015)				
EPA 0=8021)				
le (EPA 300.0)				

[illegible]

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 Ti 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 Ti U															
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time														
		29.21.14/12																	

1631 / 245.1 / 7470 / 7471 Hg

J Date 05/14/18 Rev 2018



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

Work Order No: _____
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Chain of Custody

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: UST/PST ☐ RP ☐ Groundfields ☐ RC ☐ Deepfund ☐ State of Project:	
Reporting Level: I ☐ II ☐ III ☐ IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST																Work Order Notes						
Project Number:		Routine ☐																							
P.O. Number:	Lea	Rush:																							
Sampler's Name:	William Mather	Due Date:																							
SAMPLE RECEIPT			Temp Blank:	Yes	No	Wettest:	Yes	No																	
Temperature (°C):		Thermometer ID																							
Received Intact:	Yes	No																							
Cooler Custody Seals:	Yes	No	Correction Factor:																						
Sample Custody Seals:	Yes	No	Total Containers:																						
Sample Identification			Matrix	Date Sampled	Time Sampled	Depth	Number of Containers																Sample Comments		
FS131	S	2/9/2021	9:54	4'	1	X	X	X																	
FS132	S	2/9/2021	9:56	4'	1	X	X	X														Composite			
FS133	S	2/9/2021	9:58	4'	1	X	X	X														Composite			
FS134	S	2/9/2021	10:02	4'	1	X	X	X														Composite			
FS135	S	2/9/2021	10:04	4'	1	X	X	X														Composite			
FS136	S	2/9/2021	10:05	4'	1	X	X	X														Composite			
FS137	S	2/9/2021	10:07	4'	1	X	X	X														Composite			
FS138	S	2/9/2021	10:09	4'	1	X	X	X														Composite			
FS139	S	2/9/2021	10:11	4'	1	X	X	X														Composite			
FS140	S	2/9/2021	10:13	4'	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Mather	C. Mather	2-9-21 1412			



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Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
Hobbs, NM (575-392-7550) Phoenix, AZ (480-555-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

Chain of Custody

Work Order No: _____

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Page 3 of 3

2/22/2021

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: UST/PT ☐ RP ☐ Growfields ☐ RC ☐ Superfund ☐ State of Project:	
Reporting Level II ☐ Level III ☐ PT/UST ☐ RP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST										Work Order Notes
Project Number:		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: <i>See tags</i>				
Received Intact:	Yes	No	Correction Factor:			
Cooler Custody Seals:	Yes	No	Total Containers:			
Sample Custody Seals:	Yes	No				

Sample Identification					Matrix	Date Sampled	Time Sampled	Depth	Number	TPH (E	BTEX (	Chloride																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2.9.21 1412			

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-168-1

SDG Number:

Login Number: 168

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-229-1
Client Project/Site: Stovepipe Release

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

Attn: Kalei Jennings

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

Authorized for release by:
3/4/2021 4:23:28 PM

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

LINKS

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Have a Question?



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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-229-1

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

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

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Case Narrative

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Job ID: 890-229-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-229-1

Receipt

The samples were received on 2/26/2021 10:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

Subcontract Lab non-Sister Lab

See attached subcontract report.

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW01

Lab Sample ID: 890-229-1

Date Collected: 02/24/21 10:06

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/01/21 12:15	03/01/21 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	74		70 - 130	03/01/21 12:15	03/01/21 16:32	1
4-Bromofluorobenzene	97		70 - 130	03/01/21 12:15	03/01/21 16:32	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.01		mg/kg		02/28/21 09:15	02/28/21 10:00	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 11:51	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 11:51	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 11:51	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67		70 - 135	03/01/21 11:00	03/01/21 11:51	1
o-Terphenyl	88		70 - 135	03/01/21 11:00	03/01/21 11:51	1

Client Sample ID: SW02

Lab Sample ID: 890-229-2

Date Collected: 02/24/21 11:08

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/01/21 12:15	03/01/21 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1
Toluene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1
Total BTEX	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	83		70 - 130	03/01/21 12:15	03/01/21 16:59	1
4-Bromofluorobenzene	78		70 - 130	03/01/21 12:15	03/01/21 16:59	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		5.02		mg/kg		02/28/21 09:15	02/28/21 10:16	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 12:53	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW02

Lab Sample ID: 890-229-2

Date Collected: 02/24/21 11:08

Matrix: Solid

Date Received: 02/26/21 10:55

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 12:53	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 12:53	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69		70 - 135				03/01/21 11:00	03/01/21 12:53	1
o-Terphenyl	90		70 - 135				03/01/21 11:00	03/01/21 12:53	1

Client Sample ID: SW03

Lab Sample ID: 890-229-3

Date Collected: 02/24/21 11:38

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/01/21 12:15	03/01/21 17:25	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
Toluene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
Total BTEX	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/01/21 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				03/01/21 12:15	03/01/21 17:25	1
4-Bromofluorobenzene	96		70 - 130				03/01/21 12:15	03/01/21 17:25	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		4.97		mg/kg		02/28/21 09:15	02/28/21 10:21	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:13	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:13	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:13	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 135				03/01/21 11:00	03/01/21 13:13	1
o-Terphenyl	101		70 - 135				03/01/21 11:00	03/01/21 13:13	1

Client Sample ID: SW04

Lab Sample ID: 890-229-4

Date Collected: 02/24/21 11:40

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/01/21 12:15	03/01/21 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1
Toluene	0.00275		0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW04

Lab Sample ID: 890-229-4

Date Collected: 02/24/21 11:40

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00275		0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	85		70 - 130				03/01/21 12:15	03/01/21 17:52	1
4-Bromofluorobenzene	88		70 - 130				03/01/21 12:15	03/01/21 17:52	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		4.97		mg/kg		02/28/21 09:15	02/28/21 10:26	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:34	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:34	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:34	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68		70 - 135				03/01/21 11:00	03/01/21 13:34	1
o-Terphenyl	86		70 - 135				03/01/21 11:00	03/01/21 13:34	1

Client Sample ID: SW05

Lab Sample ID: 890-229-5

Date Collected: 02/24/21 13:04

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
m,p-Xylenes	<0.00400	U	0.00400		mg/kg		03/01/21 12:15	03/01/21 18:17	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130				03/01/21 12:15	03/01/21 18:17	1
4-Bromofluorobenzene	108		70 - 130				03/01/21 12:15	03/01/21 18:17	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.88		4.97		mg/kg		02/28/21 09:15	02/28/21 10:32	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 13:55	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 13:55	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 13:55	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 13:55	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW05

Lab Sample ID: 890-229-5

Date Collected: 02/24/21 13:04

Matrix: Solid

Date Received: 02/26/21 10:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135	03/01/21 11:00	03/01/21 13:55	1
o-Terphenyl	94		70 - 135	03/01/21 11:00	03/01/21 13:55	1

Client Sample ID: SW06

Lab Sample ID: 890-229-6

Date Collected: 02/24/21 13:40

Matrix: Solid

Date Received: 02/26/21 10:55

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/01/21 12:15	03/01/21 18:42	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1
Toluene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1
Total BTEX	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	109		70 - 130	03/01/21 12:15	03/01/21 18:42	1
4-Bromofluorobenzene	115		70 - 130	03/01/21 12:15	03/01/21 18:42	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		4.97		mg/kg		02/28/21 09:15	02/28/21 10:48	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:15	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:15	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:15	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69		70 - 135	03/01/21 11:00	03/01/21 14:15	1
o-Terphenyl	94		70 - 135	03/01/21 11:00	03/01/21 14:15	1

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Method: BTEX 8021 - General Subcontract Method

Matrix: SOIL

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)
689545-001 S	Matrix Spike	108
689545-001 SD	Matrix Spike Duplicate	92
7722289-1-BKS	Lab Control Sample	101
7722289-1-BLK	Method Blank	83
7722289-1-BSD	Lab Control Sample Dup	106

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: BTEX 8021 - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)
890-229-1	SW01	97	74
890-229-2	SW02	78	83
890-229-3	SW03	96	107
890-229-4	SW04	88	85
890-229-5	SW05	108	108
890-229-6	SW06	115	109

Surrogate Legend

BFB = 4-Bromofluorobenzene

DFBZ = 1,4-Difluorobenzene

Method: TPH 8015_NM_MOD - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-229-1	SW01	67	88
890-229-2	SW02	69	90
890-229-3	SW03	74	101
890-229-4	SW04	68	86
890-229-5	SW05	70	94
890-229-6	SW06	69	94

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Method: BTEX 8021 - General Subcontract Method

Lab Sample ID: 772289-1-BLK

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
Ethylbenzene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/01/21 12:15	03/01/21 16:07	1
o-Xylene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
Toluene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1

Surrogate	BLANK %Recovery	BLANK Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		70 - 130	03/01/21 12:15	03/01/21 16:07	1

Lab Sample ID: 772289-1-BKS

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0979		mg/kg		98	70 - 130
Ethylbenzene	.1	0.0966		mg/kg		97	71 - 129
m,p-Xylenes	.2	0.198		mg/kg		99	70 - 135
o-Xylene	.1	0.0899		mg/kg		90	71 - 133
Toluene	.1	0.0926		mg/kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 772289-1-BSD

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	.1	0.0976		mg/kg		98	70 - 130	0	35
Ethylbenzene	.1	0.0972		mg/kg		97	71 - 129	1	35
m,p-Xylenes	.2	0.201		mg/kg		101	70 - 135	2	35
o-Xylene	.1	0.0950		mg/kg		95	71 - 133	6	35
Toluene	.1	0.0970		mg/kg		97	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		70 - 130

Lab Sample ID: 689545-001 S

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<.002		.0998	0.0874		mg/kg		88	70 - 130
Ethylbenzene	<.002		.0998	0.0897		mg/kg		90	71 - 129
m,p-Xylenes	<.00399		.2	0.184		mg/kg		92	70 - 135
o-Xylene	<.002		.0998	0.0869		mg/kg		87	71 - 133
Toluene	<.002		.0998	0.0907		mg/kg		91	70 - 130

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Method: BTEX 8021 - General Subcontract Method (Continued)

Lab Sample ID: 689545-001 S
Matrix: SOIL
Analysis Batch: 3152156

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3152156_P

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	108		70 - 130

Lab Sample ID: 689545-001 SD
Matrix: SOIL
Analysis Batch: 3152156

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3152156_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<.002		.0998	0.0692		mg/kg		69	70 - 130	23	35
Ethylbenzene	<.002		.0998	0.0732		mg/kg		73	71 - 129	20	35
m,p-Xylenes	<.00399		.2	0.150		mg/kg		75	70 - 135	20	35
o-Xylene	<.002		.0998	0.0713		mg/kg		71	71 - 133	20	35
Toluene	<.002		.0998	0.0739		mg/kg		74	70 - 130	20	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	92		70 - 130

Method: CHLORIDE E300 - General Subcontract Method

Lab Sample ID: 7722152-1-BLK
Matrix: SOIL
Analysis Batch: 3152024

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3152024_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		02/28/21 09:15	02/28/21 09:44	1

Lab Sample ID: 7722152-1-BKS
Matrix: SOIL
Analysis Batch: 3152024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3152024_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239		mg/kg		96	80 - 120

Lab Sample ID: 7722152-1-BSD
Matrix: SOIL
Analysis Batch: 3152024

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3152024_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	239		mg/kg		96	80 - 120	0	20

Lab Sample ID: 689545-001 S
Matrix: SOIL
Analysis Batch: 3152024

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3152024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12.1		251	250		mg/kg		95	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Method: CHLORIDE E300 - General Subcontract Method (Continued)

Lab Sample ID: 689545-001 SD

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12.1		251	253		mg/kg		96	80 - 120	1	20

Method: TPH 8015_NM_MOD - General Subcontract Method

Lab Sample ID: 772322-1-BLK

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1

Lab Sample ID: 772322-1-BKS

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	810		mg/kg		81	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	808		mg/kg		81	70 - 135

Lab Sample ID: 772322-1-BSD

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	831		mg/kg		83	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	916		mg/kg		92	70 - 135	13	20

Lab Sample ID: 689545-001 S

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	<49.9		996	814		mg/kg		82	70 - 135
Gasoline Range Hydrocarbons (GRO)	<49.9		996	972		mg/kg		98	70 - 135

Lab Sample ID: 689545-001 SD

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		997	789		mg/kg		79	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	<49.9		997	929		mg/kg		93	70 - 135	5	20

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Subcontract

Analysis Batch: 3152024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	CHLORIDE E300	3152024_P
890-229-2	SW02	Total/NA	Solid	CHLORIDE E300	3152024_P
890-229-3	SW03	Total/NA	Solid	CHLORIDE E300	3152024_P
890-229-4	SW04	Total/NA	Solid	CHLORIDE E300	3152024_P
890-229-5	SW05	Total/NA	Solid	CHLORIDE E300	3152024_P
890-229-6	SW06	Total/NA	Solid	CHLORIDE E300	3152024_P
7722152-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E300	3152024_P
7722152-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E300	3152024_P
7722152-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E300	3152024_P
689545-001 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E300	3152024_P
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E300	3152024_P

Analysis Batch: 3152156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	BTEX 8021	3152156_P
890-229-2	SW02	Total/NA	Solid	BTEX 8021	3152156_P
890-229-3	SW03	Total/NA	Solid	BTEX 8021	3152156_P
890-229-4	SW04	Total/NA	Solid	BTEX 8021	3152156_P
890-229-5	SW05	Total/NA	Solid	BTEX 8021	3152156_P
890-229-6	SW06	Total/NA	Solid	BTEX 8021	3152156_P
7722289-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3152156_P
7722289-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3152156_P
7722289-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3152156_P
689545-001 S	Matrix Spike	Total/NA	SOIL	BTEX 8021	3152156_P
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	BTEX 8021	3152156_P

Analysis Batch: 3152217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	TPH	3152217_P
890-229-2	SW02	Total/NA	Solid	8015_NM_MOD	3152217_P
890-229-3	SW03	Total/NA	Solid	TPH	3152217_P
890-229-4	SW04	Total/NA	Solid	8015_NM_MOD	3152217_P
890-229-5	SW05	Total/NA	Solid	TPH	3152217_P
890-229-6	SW06	Total/NA	Solid	8015_NM_MOD	3152217_P
7722322-1-BLK	Method Blank	Total/NA	SOIL	TPH	3152217_P
7722322-1-BKS	Lab Control Sample	Total/NA	SOIL	8015_NM_MOD	3152217_P
7722322-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH	3152217_P
689545-001 S	Matrix Spike	Total/NA	SOIL	8015_NM_MOD	3152217_P
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	TPH	3152217_P
				8015_NM_MOD	

Prep Batch: 3152024_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	E300P	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Subcontract (Continued)

Prep Batch: 3152024_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-2	SW02	Total/NA	Solid	E300P	
890-229-3	SW03	Total/NA	Solid	E300P	
890-229-4	SW04	Total/NA	Solid	E300P	
890-229-5	SW05	Total/NA	Solid	E300P	
890-229-6	SW06	Total/NA	Solid	E300P	
7722152-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722152-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722152-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689545-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3152156_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	SW5035A	
890-229-2	SW02	Total/NA	Solid	SW5035A	
890-229-3	SW03	Total/NA	Solid	SW5035A	
890-229-4	SW04	Total/NA	Solid	SW5035A	
890-229-5	SW05	Total/NA	Solid	SW5035A	
890-229-6	SW06	Total/NA	Solid	SW5035A	
7722289-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722289-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722289-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	
689545-001 S	Matrix Spike	Total/NA	SOIL	SW5035A	
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW5035A	

Prep Batch: 3152217_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-229-1	SW01	Total/NA	Solid	SW8015P	
890-229-2	SW02	Total/NA	Solid	SW8015P	
890-229-3	SW03	Total/NA	Solid	SW8015P	
890-229-4	SW04	Total/NA	Solid	SW8015P	
890-229-5	SW05	Total/NA	Solid	SW8015P	
890-229-6	SW06	Total/NA	Solid	SW8015P	
7722322-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722322-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722322-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689545-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689545-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW01

Lab Sample ID: 890-229-1

Date Collected: 02/24/21 10:06

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 16:32	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:00	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 11:51	ARM	XM

Client Sample ID: SW02

Lab Sample ID: 890-229-2

Date Collected: 02/24/21 11:08

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 16:59	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:16	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 12:53	ARM	XM

Client Sample ID: SW03

Lab Sample ID: 890-229-3

Date Collected: 02/24/21 11:38

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 17:25	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:21	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 13:13	ARM	XM

Client Sample ID: SW04

Lab Sample ID: 890-229-4

Date Collected: 02/24/21 11:40

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 17:52	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:26	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 13:34	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Client Sample ID: SW05

Lab Sample ID: 890-229-5

Date Collected: 02/24/21 13:04

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 18:17	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:32	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 13:55	ARM	XM

Client Sample ID: SW06

Lab Sample ID: 890-229-6

Date Collected: 02/24/21 13:40

Matrix: Solid

Date Received: 02/26/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 18:42	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:48	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 14:15	ARM	XM

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Laboratory: Eurofins Midland

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

Protocol References:

None = None

Laboratory References:

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

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Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-229-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-229-1	SW01	Solid	02/24/21 10:06	02/26/21 10:55	
890-229-2	SW02	Solid	02/24/21 11:08	02/26/21 10:55	
890-229-3	SW03	Solid	02/24/21 11:38	02/26/21 10:55	
890-229-4	SW04	Solid	02/24/21 11:40	02/26/21 10:55	
890-229-5	SW05	Solid	02/24/21 13:04	02/26/21 10:55	
890-229-6	SW06	Solid	02/24/21 13:40	02/26/21 10:55	

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Chain of Custody

Work Order No: _____

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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Page 1 of 1

Bill to: (if different) Ike Tavaraz

Work Order Comments

Company Name: Concho Operating

 Program: ☐ UST/PST ☐ RP ☐ Groundfields ☐ RC ☐ Deepfund ☐
 State of Project:

Address:

 Reporting Level: ☐ Level II ☐ Level III ☐ PT/UST ☐ RP ☐ Level IV ☐
 Deliverables: EDD ☐ ADA/Pt ☐ Other:

Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavaraz@concho.com

 Project Name: Stovepipe Release
 Project Number: Routine ☒
 P.O. Number: Lea Rush: 24hr CI
 Sampler's Name: William Mather Due Date:

ANALYSIS REQUEST

Work Order Notes

 Project Name: Stovepipe Release
 Project Number: Routine ☒
 P.O. Number: Lea Rush: 24hr CI
 Sampler's Name: William Mather Due Date:


890-229 Chain of Custody

 SAMPLE RECEIPT
 Temperature (°C): 8.4/6.2 Thermometer ID: 2441.007
 Received Intact: ☒ Yes ☐ No Correction Factor: -0.2
 Cooler Custody Seals: Yes ☒ No N/A
 Sample Custody Seals: Yes ☒ No N/A Total Containers: 4

TAT starts the day received by the lab. If received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers													Sample Comments
SW01	S	2/24/2021	10:06	0-4'	1	X	X	X										Composite
SW02	S	2/24/2021	11:08	0-4'	1	X	X	X										Composite
SW03	S	2/24/2021	11:38	0-4'	1	X	X	X										Composite
SW04	S	2/24/2021	11:40	0-4'	1	X	X	X										Composite
SW05	S	2/24/2021	13:04	0-4'	1	X	X	X										Composite
SW06	S	2/24/2021	13:40	0-4'	1	X	X	X										Composite

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

 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 Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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 \$6 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
<i>[Signature]</i>	<i>[Signature]</i>	2/26/2021 10:15	<i>[Signature]</i>	<i>[Signature]</i>	2/26/21 10:26

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-229-1

Login Number: 229

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-232-1
Client Project/Site: Stovepipe Release

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

Attn: Kalei Jennings

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

Authorized for release by:
3/4/2021 4:24:35 PM

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

LINKS

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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-232-1

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

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

Eurofins Carlsbad

Case Narrative

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Job ID: 890-232-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-232-1

Receipt

The samples were received on 2/26/2021 10:26 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 0.2°C

Subcontract Lab non-Sister Lab

See attached subcontract report.

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW07

Lab Sample ID: 890-232-1

Date Collected: 02/25/21 09:26

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/01/21 12:15	03/01/21 19:08	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	03/01/21 12:15	03/01/21 19:08	1
4-Bromofluorobenzene	100		70 - 130	03/01/21 12:15	03/01/21 19:08	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.2		4.99		mg/kg		02/28/21 09:15	02/28/21 10:53	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:36	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:36	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:36	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 135	03/01/21 11:00	03/01/21 14:36	1
o-Terphenyl	100		70 - 135	03/01/21 11:00	03/01/21 14:36	1

Client Sample ID: SW08

Lab Sample ID: 890-232-2

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/01/21 12:15	03/01/21 19:34	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	84		70 - 130	03/01/21 12:15	03/01/21 19:34	1
4-Bromofluorobenzene	81		70 - 130	03/01/21 12:15	03/01/21 19:34	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		5.00		mg/kg		02/28/21 09:15	02/28/21 10:58	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 14:57	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW08

Lab Sample ID: 890-232-2

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 14:57	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 14:57	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135				03/01/21 11:00	03/01/21 14:57	1
o-Terphenyl	86		70 - 135				03/01/21 11:00	03/01/21 14:57	1

Client Sample ID: SW12

Lab Sample ID: 890-232-3

Date Collected: 02/25/21 10:59

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/01/21 12:15	03/01/21 19:59	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
Toluene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
Total BTEX	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	108		70 - 130				03/01/21 12:15	03/01/21 19:59	1
4-Bromofluorobenzene	118		70 - 130				03/01/21 12:15	03/01/21 19:59	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.3		5.00		mg/kg		02/28/21 09:15	02/28/21 11:04	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		03/01/21 11:00	03/01/21 15:18	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		03/01/21 11:00	03/01/21 15:18	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		03/01/21 11:00	03/01/21 15:18	1
Total TPH	<49.8	U	49.8		mg/kg		03/01/21 11:00	03/01/21 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67		70 - 135				03/01/21 11:00	03/01/21 15:18	1
o-Terphenyl	88		70 - 135				03/01/21 11:00	03/01/21 15:18	1

Client Sample ID: SW13

Lab Sample ID: 890-232-4

Date Collected: 02/25/21 09:33

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/01/21 12:15	03/01/21 20:25	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW13

Lab Sample ID: 890-232-4

Date Collected: 02/25/21 09:33

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	85		70 - 130				03/01/21 12:15	03/01/21 20:25	1
4-Bromofluorobenzene	83		70 - 130				03/01/21 12:15	03/01/21 20:25	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.45		5.04		mg/kg		02/28/21 09:15	02/28/21 11:09	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 15:39	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 15:39	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 15:39	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135				03/01/21 11:00	03/01/21 15:39	1
o-Terphenyl	93		70 - 135				03/01/21 11:00	03/01/21 15:39	1

Client Sample ID: SW14

Lab Sample ID: 890-232-5

Date Collected: 02/25/21 10:31

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/02/21 10:30	03/02/21 15:39	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
Toluene	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
Total BTEX	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/02/21 10:30	03/02/21 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130				03/02/21 10:30	03/02/21 15:39	1
4-Bromofluorobenzene	96		70 - 130				03/02/21 10:30	03/02/21 15:39	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		5.03		mg/kg		02/28/21 09:15	02/28/21 11:14	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 16:20	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 16:20	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 16:20	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 16:20	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW14

Lab Sample ID: 890-232-5

Date Collected: 02/25/21 10:31

Matrix: Solid

Date Received: 02/26/21 10:26

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 135	03/01/21 11:00	03/01/21 16:20	1
o-Terphenyl	104		70 - 135	03/01/21 11:00	03/01/21 16:20	1

Client Sample ID: SW15

Lab Sample ID: 890-232-6

Date Collected: 02/25/21 10:57

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
m,p-Xylenes	<0.00403	U	0.00403		mg/kg		03/01/21 12:15	03/01/21 22:33	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
Toluene	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/01/21 12:15	03/01/21 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	76		70 - 130				03/01/21 12:15	03/01/21 22:33	1
4-Bromofluorobenzene	83		70 - 130				03/01/21 12:15	03/01/21 22:33	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.1		4.97		mg/kg		02/28/21 09:15	02/28/21 11:30	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 16:40	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 16:40	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 16:40	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68		70 - 135				03/01/21 11:00	03/01/21 16:40	1
o-Terphenyl	90		70 - 135				03/01/21 11:00	03/01/21 16:40	1

Client Sample ID: SW16

Lab Sample ID: 890-232-7

Date Collected: 02/25/21 13:53

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/01/21 12:15	03/01/21 22:59	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
Toluene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
Total BTEX	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	78		70 - 130				03/01/21 12:15	03/01/21 22:59	

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW16

Lab Sample ID: 890-232-7

Date Collected: 02/25/21 13:53

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	71		70 - 130	03/01/21 12:15	03/01/21 22:59	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		4.96		mg/kg		02/28/21 09:15	02/28/21 11:36	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:01	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:01	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:01	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69		70 - 135	03/01/21 11:00	03/01/21 17:01	1
o-Terphenyl	94		70 - 135	03/01/21 11:00	03/01/21 17:01	1

Client Sample ID: SW17

Lab Sample ID: 890-232-8

Date Collected: 02/25/21 13:33

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/01/21 12:15	03/01/21 23:25	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1
Toluene	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1
Total BTEX	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/01/21 12:15	03/01/21 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	77		70 - 130	03/01/21 12:15	03/01/21 23:25	1
4-Bromofluorobenzene	82		70 - 130	03/01/21 12:15	03/01/21 23:25	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.98		mg/kg		02/28/21 09:15	02/28/21 11:52	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 17:22	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 17:22	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 17:22	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135	03/01/21 11:00	03/01/21 17:22	1
o-Terphenyl	95		70 - 135	03/01/21 11:00	03/01/21 17:22	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW18

Lab Sample ID: 890-232-9

Date Collected: 02/25/21 14:11

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/01/21 12:15	03/01/21 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/01/21 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	79		70 - 130	03/01/21 12:15	03/01/21 23:51	1
4-Bromofluorobenzene	78		70 - 130	03/01/21 12:15	03/01/21 23:51	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.98		mg/kg		02/28/21 09:15	02/28/21 11:57	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:42	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:42	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:42	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	62		70 - 135	03/01/21 11:00	03/01/21 17:42	1
o-Terphenyl	77		70 - 135	03/01/21 11:00	03/01/21 17:42	1

Client Sample ID: SW19

Lab Sample ID: 890-232-10

Date Collected: 02/25/21 14:13

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1
m,p-Xylenes	<0.00400	U	0.00400		mg/kg		03/01/21 12:15	03/02/21 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	85		70 - 130	03/01/21 12:15	03/02/21 00:16	1
4-Bromofluorobenzene	84		70 - 130	03/01/21 12:15	03/02/21 00:16	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.0		4.98		mg/kg		02/28/21 09:15	02/28/21 12:02	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:03	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW19

Lab Sample ID: 890-232-10

Date Collected: 02/25/21 14:13

Matrix: Solid

Date Received: 02/26/21 10:26

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:03	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:03	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135				03/01/21 11:00	03/01/21 18:03	1
o-Terphenyl	96		70 - 135				03/01/21 11:00	03/01/21 18:03	1

Client Sample ID: SW20

Lab Sample ID: 890-232-11

Date Collected: 02/25/21 09:26

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/kg		03/01/21 12:15	03/02/21 00:42	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
Toluene	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/01/21 12:15	03/02/21 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	107		70 - 130				03/01/21 12:15	03/02/21 00:42	1
4-Bromofluorobenzene	115		70 - 130				03/01/21 12:15	03/02/21 00:42	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.81		4.97		mg/kg		02/28/21 11:15	02/28/21 19:46	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 18:23	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 18:23	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 18:23	1
Total TPH	<49.9	U	49.9		mg/kg		03/01/21 11:00	03/01/21 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 135				03/01/21 11:00	03/01/21 18:23	1
o-Terphenyl	95		70 - 135				03/01/21 11:00	03/01/21 18:23	1

Client Sample ID: SW22

Lab Sample ID: 890-232-12

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/01/21 12:15	03/02/21 01:07	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1
Toluene	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW22

Lab Sample ID: 890-232-12

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Method: BTEX 8021 - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/01/21 12:15	03/02/21 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130				03/01/21 12:15	03/02/21 01:07	1
4-Bromofluorobenzene	103		70 - 130				03/01/21 12:15	03/02/21 01:07	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		4.98		mg/kg		02/28/21 11:15	02/28/21 20:02	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:44	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:44	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:44	1
Total TPH	<50.0	U	50.0		mg/kg		03/01/21 11:00	03/01/21 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65		70 - 135				03/01/21 11:00	03/01/21 18:44	1
o-Terphenyl	84		70 - 135				03/01/21 11:00	03/01/21 18:44	1

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method: BTEX 8021 - General Subcontract Method

Matrix: SOIL

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)
7722289-1-BKS	Lab Control Sample	101
7722289-1-BLK	Method Blank	83
7722289-1-BSD	Lab Control Sample Dup	106
7722315-1-BKS	Lab Control Sample	102
7722315-1-BLK	Method Blank	96
7722315-1-BSD	Lab Control Sample Dup	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: BTEX 8021 - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)
890-232-1	SW07	100	102
890-232-2	SW08	81	84
890-232-3	SW12	118	108
890-232-4	SW13	83	85
890-232-5	SW14	96	96
890-232-6	SW15	83	76
890-232-7	SW16	71	78
890-232-8	SW17	82	77
890-232-9	SW18	78	79
890-232-10	SW19	84	85
890-232-11	SW20	115	107
890-232-12	SW22	103	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DFBZ = 1,4-Difluorobenzene

Method: TPH 8015_NM_MOD - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-232-1	SW07	71	100
890-232-2	SW08	70	86
890-232-3	SW12	67	88
890-232-4	SW13	70	93
890-232-5	SW14	88	104
890-232-6	SW15	68	90
890-232-7	SW16	69	94
890-232-8	SW17	70	95
890-232-9	SW18	62	77
890-232-10	SW19	70	96
890-232-11	SW20	70	95
890-232-12	SW22	65	84

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

1

2

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method: BTEX 8021 - General Subcontract Method

Lab Sample ID: 772289-1-BLK

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
Ethylbenzene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/01/21 12:15	03/01/21 16:07	1
o-Xylene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1
Toluene	<.002	U	.002		mg/kg		03/01/21 12:15	03/01/21 16:07	1

Surrogate	BLANK %Recovery	BLANK Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		70 - 130	03/01/21 12:15	03/01/21 16:07	1

Lab Sample ID: 772289-1-BKS

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0979		mg/kg		98	70 - 130
Ethylbenzene	.1	0.0966		mg/kg		97	71 - 129
m,p-Xylenes	.2	0.198		mg/kg		99	70 - 135
o-Xylene	.1	0.0899		mg/kg		90	71 - 133
Toluene	.1	0.0926		mg/kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 772289-1-BSD

Matrix: SOIL

Analysis Batch: 3152156

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152156_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	.1	0.0976		mg/kg		98	70 - 130	0	35
Ethylbenzene	.1	0.0972		mg/kg		97	71 - 129	1	35
m,p-Xylenes	.2	0.201		mg/kg		101	70 - 135	2	35
o-Xylene	.1	0.0950		mg/kg		95	71 - 133	6	35
Toluene	.1	0.0970		mg/kg		97	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		70 - 130

Lab Sample ID: 772315-1-BLK

Matrix: SOIL

Analysis Batch: 3152315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152315_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/02/21 10:30	03/02/21 14:16	1
Ethylbenzene	<.002	U	.002		mg/kg		03/02/21 10:30	03/02/21 14:16	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/02/21 10:30	03/02/21 14:16	1
o-Xylene	<.002	U	.002		mg/kg		03/02/21 10:30	03/02/21 14:16	1
Toluene	<.002	U	.002		mg/kg		03/02/21 10:30	03/02/21 14:16	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method: BTEX 8021 - General Subcontract Method (Continued)

Lab Sample ID: 7722315-1-BLK

Matrix: SOIL

Analysis Batch: 3152315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152315_P

Surrogate	BLANK %Recovery	BLANK Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130	03/02/21 10:30	03/02/21 14:16	1

Lab Sample ID: 7722315-1-BKS

Matrix: SOIL

Analysis Batch: 3152315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152315_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0754		mg/kg		75	70 - 130
Ethylbenzene	.1	0.0859		mg/kg		86	71 - 129
m,p-Xylenes	.2	0.172		mg/kg		86	70 - 135
o-Xylene	.1	0.0879		mg/kg		88	71 - 133
Toluene	.1	0.0756		mg/kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		70 - 130

Lab Sample ID: 7722315-1-BSD

Matrix: SOIL

Analysis Batch: 3152315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152315_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	.1	0.0776		mg/kg		78	70 - 130	3	35
Ethylbenzene	.1	0.0885		mg/kg		89	71 - 129	3	35
m,p-Xylenes	.2	0.181		mg/kg		91	70 - 135	5	35
o-Xylene	.1	0.0917		mg/kg		92	71 - 133	4	35
Toluene	.1	0.0781		mg/kg		78	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		70 - 130

Method: CHLORIDE E300 - General Subcontract Method

Lab Sample ID: 7722152-1-BLK

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		02/28/21 09:15	02/28/21 09:44	1

Lab Sample ID: 7722152-1-BKS

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239		mg/kg		96	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method: CHLORIDE E300 - General Subcontract Method (Continued)

Lab Sample ID: 7722152-1-BSD

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	239		mg/kg		96	80 - 120	0	20

Lab Sample ID: 689547-005 S

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	11.3		252	247		mg/kg		94	80 - 120		

Lab Sample ID: 689547-005 SD

Matrix: SOIL

Analysis Batch: 3152024

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.3		252	247		mg/kg		94	80 - 120	0	20

Lab Sample ID: 7722206-1-BLK

Matrix: SOIL

Analysis Batch: 3152036

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152036_P

Analyte	BLANK Result	BLANK Qualifier		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U		5		mg/kg		02/28/21 11:15	02/28/21 19:30	1

Lab Sample ID: 7722206-1-BKS

Matrix: SOIL

Analysis Batch: 3152036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152036_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	245		mg/kg		98	80 - 120		

Lab Sample ID: 7722206-1-BSD

Matrix: SOIL

Analysis Batch: 3152036

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152036_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	244		mg/kg		98	80 - 120	0	20

Lab Sample ID: 689547-011 S

Matrix: SOIL

Analysis Batch: 3152036

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152036_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9.81		249	247		mg/kg		95	80 - 120		

Lab Sample ID: 689547-011 SD

Matrix: SOIL

Analysis Batch: 3152036

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152036_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.81		249	247		mg/kg		95	80 - 120	0	20

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method: TPH 8015_NM_MOD - General Subcontract Method

Lab Sample ID: 772322-1-BLK

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/01/21 11:00	03/01/21 10:48	1

Lab Sample ID: 772322-1-BKS

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	810		mg/kg		81	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	808		mg/kg		81	70 - 135

Lab Sample ID: 772322-1-BSD

Matrix: SOIL

Analysis Batch: 3152217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152217_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	831		mg/kg		83	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	916		mg/kg		92	70 - 135	13	20

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Subcontract

Analysis Batch: 3152024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-2	SW08	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-3	SW12	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-4	SW13	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-5	SW14	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-6	SW15	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-7	SW16	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-8	SW17	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-9	SW18	Total/NA	Solid	CHLORIDE E30C	3152024_P
890-232-10	SW19	Total/NA	Solid	CHLORIDE E30C	3152024_P
7722152-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E30C	3152024_P
7722152-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E30C	3152024_P
7722152-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E30C	3152024_P
689547-005 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E30C	3152024_P
689547-005 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E30C	3152024_P

Analysis Batch: 3152036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-11	SW20	Total/NA	Solid	CHLORIDE E30C	3152036_P
890-232-12	SW22	Total/NA	Solid	CHLORIDE E30C	3152036_P
7722206-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E30C	3152036_P
7722206-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E30C	3152036_P
7722206-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E30C	3152036_P
689547-011 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E30C	3152036_P
689547-011 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E30C	3152036_P

Analysis Batch: 3152156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	BTEX 8021	3152156_P
890-232-2	SW08	Total/NA	Solid	BTEX 8021	3152156_P
890-232-3	SW12	Total/NA	Solid	BTEX 8021	3152156_P
890-232-4	SW13	Total/NA	Solid	BTEX 8021	3152156_P
890-232-6	SW15	Total/NA	Solid	BTEX 8021	3152156_P
890-232-7	SW16	Total/NA	Solid	BTEX 8021	3152156_P
890-232-8	SW17	Total/NA	Solid	BTEX 8021	3152156_P
890-232-9	SW18	Total/NA	Solid	BTEX 8021	3152156_P
890-232-10	SW19	Total/NA	Solid	BTEX 8021	3152156_P
890-232-11	SW20	Total/NA	Solid	BTEX 8021	3152156_P
890-232-12	SW22	Total/NA	Solid	BTEX 8021	3152156_P
7722289-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3152156_P
7722289-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3152156_P
7722289-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3152156_P

Analysis Batch: 3152217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	TPH	3152217_P
890-232-2	SW08	Total/NA	Solid	TPH	3152217_P
890-232-3	SW12	Total/NA	Solid	TPH	3152217_P
				8015_NM_MOD	
				8015_NM_MOD	
				8015_NM_MOD	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Subcontract (Continued)

Analysis Batch: 3152217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-4	SW13	Total/NA	Solid	TPH	3152217_P
890-232-5	SW14	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-6	SW15	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-7	SW16	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-8	SW17	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-9	SW18	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-10	SW19	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-11	SW20	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
890-232-12	SW22	Total/NA	Solid	8015_NM_MOD TPH	3152217_P
7722322-1-BLK	Method Blank	Total/NA	SOIL	8015_NM_MOD TPH	3152217_P
7722322-1-BKS	Lab Control Sample	Total/NA	SOIL	8015_NM_MOD TPH	3152217_P
7722322-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8015_NM_MOD TPH	3152217_P

Analysis Batch: 3152315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-5	SW14	Total/NA	Solid	BTEX 8021	3152315_P
7722315-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3152315_P
7722315-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3152315_P
7722315-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3152315_P

Prep Batch: 3152024_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	E300P	
890-232-2	SW08	Total/NA	Solid	E300P	
890-232-3	SW12	Total/NA	Solid	E300P	
890-232-4	SW13	Total/NA	Solid	E300P	
890-232-5	SW14	Total/NA	Solid	E300P	
890-232-6	SW15	Total/NA	Solid	E300P	
890-232-7	SW16	Total/NA	Solid	E300P	
890-232-8	SW17	Total/NA	Solid	E300P	
890-232-9	SW18	Total/NA	Solid	E300P	
890-232-10	SW19	Total/NA	Solid	E300P	
7722152-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722152-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722152-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689547-005 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689547-005 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Subcontract

Prep Batch: 3152036_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-11	SW20	Total/NA	Solid	E300P	
890-232-12	SW22	Total/NA	Solid	E300P	
7722206-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722206-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722206-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689547-011 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689547-011 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3152156_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	SW5035A	
890-232-2	SW08	Total/NA	Solid	SW5035A	
890-232-3	SW12	Total/NA	Solid	SW5035A	
890-232-4	SW13	Total/NA	Solid	SW5035A	
890-232-6	SW15	Total/NA	Solid	SW5035A	
890-232-7	SW16	Total/NA	Solid	SW5035A	
890-232-8	SW17	Total/NA	Solid	SW5035A	
890-232-9	SW18	Total/NA	Solid	SW5035A	
890-232-10	SW19	Total/NA	Solid	SW5035A	
890-232-11	SW20	Total/NA	Solid	SW5035A	
890-232-12	SW22	Total/NA	Solid	SW5035A	
7722289-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722289-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722289-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	

Prep Batch: 3152217_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-1	SW07	Total/NA	Solid	SW8015P	
890-232-2	SW08	Total/NA	Solid	SW8015P	
890-232-3	SW12	Total/NA	Solid	SW8015P	
890-232-4	SW13	Total/NA	Solid	SW8015P	
890-232-5	SW14	Total/NA	Solid	SW8015P	
890-232-6	SW15	Total/NA	Solid	SW8015P	
890-232-7	SW16	Total/NA	Solid	SW8015P	
890-232-8	SW17	Total/NA	Solid	SW8015P	
890-232-9	SW18	Total/NA	Solid	SW8015P	
890-232-10	SW19	Total/NA	Solid	SW8015P	
890-232-11	SW20	Total/NA	Solid	SW8015P	
890-232-12	SW22	Total/NA	Solid	SW8015P	
7722322-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722322-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722322-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Subcontract

Prep Batch: 3152315_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-232-5	SW14	Total/NA	Solid	SW5035A	
7722315-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722315-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722315-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW07

Lab Sample ID: 890-232-1

Date Collected: 02/25/21 09:26

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 19:08	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:53	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 14:36	ARM	XM

Client Sample ID: SW08

Lab Sample ID: 890-232-2

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 19:34	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 10:58	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 14:57	ARM	XM

Client Sample ID: SW12

Lab Sample ID: 890-232-3

Date Collected: 02/25/21 10:59

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 19:59	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:04	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 15:18	ARM	XM

Client Sample ID: SW13

Lab Sample ID: 890-232-4

Date Collected: 02/25/21 09:33

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 20:25	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:09	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 15:39	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW14

Lab Sample ID: 890-232-5

Date Collected: 02/25/21 10:31

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152315_P	03/02/21 10:30		XM
Total/NA	Analysis	BTEX 8021		1	3152315	03/02/21 15:39	KTL	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:14	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 16:20	ARM	XM

Client Sample ID: SW15

Lab Sample ID: 890-232-6

Date Collected: 02/25/21 10:57

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 22:33	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:30	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 16:40	ARM	XM

Client Sample ID: SW16

Lab Sample ID: 890-232-7

Date Collected: 02/25/21 13:53

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 22:59	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:36	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 17:01	ARM	XM

Client Sample ID: SW17

Lab Sample ID: 890-232-8

Date Collected: 02/25/21 13:33

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 23:25	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:52	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 17:22	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Client Sample ID: SW18

Lab Sample ID: 890-232-9

Date Collected: 02/25/21 14:11

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/01/21 23:51	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 11:57	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 17:42	ARM	XM

Client Sample ID: SW19

Lab Sample ID: 890-232-10

Date Collected: 02/25/21 14:13

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/02/21 00:16	MNR	XM
Total/NA	Prep	E300P		1	3152024_P	02/28/21 09:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152024	02/28/21 12:02	SPC	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 18:03	ARM	XM

Client Sample ID: SW20

Lab Sample ID: 890-232-11

Date Collected: 02/25/21 09:26

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/02/21 00:42	MNR	XM
Total/NA	Prep	E300P		1	3152036_P	02/28/21 11:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152036	02/28/21 19:46	CHE	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 18:23	ARM	XM

Client Sample ID: SW22

Lab Sample ID: 890-232-12

Date Collected: 02/25/21 09:28

Matrix: Solid

Date Received: 02/26/21 10:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152156_P	03/01/21 12:15		XM
Total/NA	Analysis	BTEX 8021		1	3152156	03/02/21 01:07	MNR	XM
Total/NA	Prep	E300P		1	3152036_P	02/28/21 11:15		XM
Total/NA	Analysis	CHLORIDE E300		1	3152036	02/28/21 20:02	CHE	XM
Total/NA	Prep	SW8015P		1	3152217_P	03/01/21 11:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152217	03/01/21 18:44	ARM	XM

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Laboratory: Eurofins Midland

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

Protocol References:

None = None

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-232-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-232-1	SW07	Solid	02/25/21 09:26	02/26/21 10:26	
890-232-2	SW08	Solid	02/25/21 09:28	02/26/21 10:26	
890-232-3	SW12	Solid	02/25/21 10:59	02/26/21 10:26	
890-232-4	SW13	Solid	02/25/21 09:33	02/26/21 10:26	
890-232-5	SW14	Solid	02/25/21 10:31	02/26/21 10:26	
890-232-6	SW15	Solid	02/25/21 10:57	02/26/21 10:26	
890-232-7	SW16	Solid	02/25/21 13:53	02/26/21 10:26	
890-232-8	SW17	Solid	02/25/21 13:33	02/26/21 10:26	
890-232-9	SW18	Solid	02/25/21 14:11	02/26/21 10:26	
890-232-10	SW19	Solid	02/25/21 14:13	02/26/21 10:26	
890-232-11	SW20	Solid	02/25/21 09:26	02/26/21 10:26	
890-232-12	SW22	Solid	02/25/21 09:28	02/26/21 10:26	

Eurofins Carlsbad



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
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813) 291-1111
Hobbs, NM (575-382-7550)

Chain of Custody

Work Order No:

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Page _____ of _____

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, ltavaraz@concho.com

Work Order Comments	
Program: UST/ST ☐ RP ☐ Growfields ☐ RC ☐ Superfund ☐ State of Project: Reporting Level: II ☐ Level III ☐ ST/UST ☐ RP ☒ Level IV ☐ Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST					Work Order Notes
Project Number:		Routine ☒						
P.O. Number:	Lea	Rush: 24617						
Sampler's Name:	William Mather	Due Date:						

SAMPLE RECEIPT		Temp Blank:	☒ Yes	☐ No	Wet Ice:	☒ Yes	☐ No
Temperature (°C):	0.4/6.2						
Received In tact:	☒ Yes ☐ No						
Cooler Custody Seals:	Yes ☒ No ☐		N/A		Correction Factor:		
Sample Custody Seals:	Yes ☒ No ☐		N/A		Total Containers:		
						-0.2	
						12	

Number of Containers

PA 8015)

EPA 0=8021)

e (EPA 300.0)

890-232 Chain of Custody

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

[illegible]

Circle Method(s) and Metal(s) to be analyzed	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 SiO ₂ Na Sr II Sn U V Zn		
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		1631 / 245.1 / 7470 / 7474 Hg

Medical Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. A minimum 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 Xeno. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xeno, 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
<i>[Signature]</i>	<i>[Signature]</i>	2/26/21 @ 10:15	<i>[Signature]</i>	<i>[Signature]</i>	2:26:21 10



Chain of Custody

Work Order No: _____

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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Page

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3/4/2021

Project Manager:	Kalei Jennings	Bill to: (if different)	Ike Tavaraz
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, itavaraz@concho.com

Program: UST/PST	☐ RP	☐ Growfields	☐ RC	☐ Superfund
State of Project:				
Reporting Level II	☐ Level III	☐ PT/UST	☐ RP	☐ Level IV
Deliverables: EDD	☐	ADAPT	☐	Other:

Project Name:	Stovepipe Release	Turn Around	ANALYSIS REQUEST																Work Order Notes						
Project Number:		Routine																							
P.O. Number:	Lee	Rush: 24hr																							
Sampler's Name:	William Mather	Due Date:																							
SAMPLE RECEIPT			Temp Blank:	☒ Yes	☐ No	Wet Ice:	☒ Yes	☐ No																	
Temperature (°C):	0.4/0.2	Thermometer ID																							
Received Intact:	Yes	No																							
Cooler Custody Seals:	Yes	No																							
Sample Custody Seals:	Yes	No																							
Correction Factor:	-0.2	Total Containers:																							
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth																					
SW20	S	2/25/2021	9:26	0-4'	1	X	X	X	X													Composite			
SW22	S	2/25/2021	9:28	0-4'	1	X	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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471: Hg

Note: 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
		2/26/21 @ 10:15			2:26:21 10:26

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-232-1

SDG Number:

Login Number: 232

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-234-1

Laboratory Sample Delivery Group: 31402909.03

Client Project/Site: Stovepipe Release

For:

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

Attn: Kalei Jennings

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

Authorized for release by:
3/4/2021 6:20:08 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-234-1
SDG: 31402909.03

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

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: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Job ID: 890-234-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-234-1**

Receipt

The samples were received on 3/1/2021 11:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: FS52A (890-234-1), FS64A (890-234-2), FS65A (890-234-3), FS79A (890-234-4), FS81A (890-234-5), FS85A (890-234-6), FS102A (890-234-7), FS108A (890-234-8), SW09 (890-234-9), SW10 (890-234-10), SW23 (890-234-11) and SW24 (890-234-12).

Subcontract Lab non-Sister Lab

See attached subcontract report.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS52A

Lab Sample ID: 890-234-1

Date Collected: 02/26/21 09:53

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202		0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1
Ethylbenzene	<0.00202		0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1
m,p-Xylenes	<0.00404		0.00404		mg/kg		03/03/21 08:00	03/03/21 11:22	1
o-Xylene	<0.00202		0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1
Toluene	<0.00202		0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	03/03/21 08:00	03/03/21 11:22	1
4-Bromofluorobenzene	103		70 - 130	03/03/21 08:00	03/03/21 11:22	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4840		50.4		mg/kg		03/02/21 14:50	03/02/21 15:17	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 21:27	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 21:27	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 21:27	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135	03/02/21 12:00	03/02/21 21:27	1
o-Terphenyl	112		70 - 135	03/02/21 12:00	03/02/21 21:27	1

Client Sample ID: FS64A

Lab Sample ID: 890-234-2

Date Collected: 02/26/21 12:35

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/03/21 08:00	03/03/21 11:42	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1
Toluene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1
Total BTEX	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	03/03/21 08:00	03/03/21 11:42	1
4-Bromofluorobenzene	103		70 - 130	03/03/21 08:00	03/03/21 11:42	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5450		49.8		mg/kg		03/02/21 14:50	03/02/21 15:33	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		03/02/21 12:00	03/02/21 22:31	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS64A

Lab Sample ID: 890-234-2

Date Collected: 02/26/21 12:35

Matrix: Solid

Date Received: 03/01/21 11:11

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		03/02/21 12:00	03/02/21 22:31	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		03/02/21 12:00	03/02/21 22:31	1
Total TPH	<49.8	U	49.8		mg/kg		03/02/21 12:00	03/02/21 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 135				03/02/21 12:00	03/02/21 22:31	1
o-Terphenyl	114		70 - 135				03/02/21 12:00	03/02/21 22:31	1

Client Sample ID: FS65A

Lab Sample ID: 890-234-3

Date Collected: 02/26/21 12:36

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
m,p-Xylenes	<0.00404	U	0.00404		mg/kg		03/03/21 08:00	03/03/21 12:02	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
Toluene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130				03/03/21 08:00	03/03/21 12:02	1
4-Bromofluorobenzene	102		70 - 130				03/03/21 08:00	03/03/21 12:02	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3960		24.8		mg/kg		03/02/21 14:50	03/02/21 15:39	5

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 22:53	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 22:53	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 22:53	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135				03/02/21 12:00	03/02/21 22:53	1
o-Terphenyl	118		70 - 135				03/02/21 12:00	03/02/21 22:53	1

Client Sample ID: FS79A

Lab Sample ID: 890-234-4

Date Collected: 02/26/21 11:26

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/03/21 08:00	03/03/21 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1
Toluene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS79A

Lab Sample ID: 890-234-4

Date Collected: 02/26/21 11:26

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130				03/03/21 08:00	03/03/21 12:23	1
4-Bromofluorobenzene	106		70 - 130				03/03/21 08:00	03/03/21 12:23	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		25.0		mg/kg		03/02/21 14:50	03/02/21 15:44	5

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:14	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:14	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:14	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				03/02/21 12:00	03/02/21 23:14	1
o-Terphenyl	113		70 - 135				03/02/21 12:00	03/02/21 23:14	1

Client Sample ID: FS81A

Lab Sample ID: 890-234-5

Date Collected: 02/26/21 11:39

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/03/21 08:00	03/03/21 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
Toluene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130				03/03/21 08:00	03/03/21 12:43	1
4-Bromofluorobenzene	104		70 - 130				03/03/21 08:00	03/03/21 12:43	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3660		25.1		mg/kg		03/02/21 14:50	03/02/21 15:49	5

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/02/21 23:35	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/02/21 23:35	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/02/21 23:35	1
Total TPH	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/02/21 23:35	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS81A

Date Collected: 02/26/21 11:39

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-5

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 135	03/02/21 12:00	03/02/21 23:35	1
o-Terphenyl	116		70 - 135	03/02/21 12:00	03/02/21 23:35	1

Client Sample ID: FS85A

Date Collected: 02/26/21 12:34

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-6

Matrix: Solid

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/03/21 08:00	03/03/21 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
Toluene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	93		70 - 130				03/03/21 08:00	03/03/21 13:04	1
4-Bromofluorobenzene	113		70 - 130				03/03/21 08:00	03/03/21 13:04	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1710		24.8		mg/kg		03/02/21 14:50	03/02/21 16:05	5

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:57	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:57	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:57	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/02/21 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				03/02/21 12:00	03/02/21 23:57	1
o-Terphenyl	118		70 - 135				03/02/21 12:00	03/02/21 23:57	1

Client Sample ID: FS102A

Date Collected: 02/26/21 13:32

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-7

Matrix: Solid

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
m,p-Xylenes	<0.00404	U	0.00404		mg/kg		03/03/21 08:00	03/03/21 13:24	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
Toluene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130				03/03/21 08:00	03/03/21 13:24	

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS102A

Lab Sample ID: 890-234-7

Date Collected: 02/26/21 13:32

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		70 - 130	03/03/21 08:00	03/03/21 13:24	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6020		49.5		mg/kg		03/02/21 14:50	03/02/21 16:11	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 00:18	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 00:18	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 00:18	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135	03/02/21 12:00	03/03/21 00:18	1
o-Terphenyl	114		70 - 135	03/02/21 12:00	03/03/21 00:18	1

Client Sample ID: FS108A

Lab Sample ID: 890-234-8

Date Collected: 02/26/21 12:48

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1
m,p-Xylenes	<0.00404	U	0.00404		mg/kg		03/03/21 08:00	03/03/21 13:44	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1
Toluene	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/03/21 08:00	03/03/21 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130	03/03/21 08:00	03/03/21 13:44	1
4-Bromofluorobenzene	102		70 - 130	03/03/21 08:00	03/03/21 13:44	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4620		50.5		mg/kg		03/02/21 14:50	03/02/21 16:16	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 00:40	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 00:40	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 00:40	1
Total TPH	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135	03/02/21 12:00	03/03/21 00:40	1
o-Terphenyl	120		70 - 135	03/02/21 12:00	03/03/21 00:40	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: SW09

Lab Sample ID: 890-234-9

Date Collected: 02/26/21 10:55

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1
m,p-Xylenes	<0.00398	U	0.00398		mg/kg		03/03/21 08:00	03/03/21 14:05	1
o-Xylene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1
Toluene	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1
Total BTEX	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1
Total Xylenes	<0.00199	U	0.00199		mg/kg		03/03/21 08:00	03/03/21 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	88		70 - 130	03/03/21 08:00	03/03/21 14:05	1
4-Bromofluorobenzene	100		70 - 130	03/03/21 08:00	03/03/21 14:05	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.00		mg/kg		03/02/21 14:50	03/02/21 16:21	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 01:01	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 01:01	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 01:01	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135	03/02/21 12:00	03/03/21 01:01	1
o-Terphenyl	112		70 - 135	03/02/21 12:00	03/03/21 01:01	1

Client Sample ID: SW10

Lab Sample ID: 890-234-10

Date Collected: 02/26/21 11:00

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1
m,p-Xylenes	<0.00399	U	0.00399		mg/kg		03/03/21 08:00	03/03/21 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1
Toluene	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/03/21 08:00	03/03/21 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	124		70 - 130	03/03/21 08:00	03/03/21 14:25	1
4-Bromofluorobenzene	90		70 - 130	03/03/21 08:00	03/03/21 14:25	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		4.99		mg/kg		03/02/21 14:50	03/02/21 16:27	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 01:22	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: SW10

Date Collected: 02/26/21 11:00

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-10

Matrix: Solid

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 01:22	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 01:22	1
Total TPH	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				03/02/21 12:00	03/03/21 01:22	1
o-Terphenyl	110		70 - 135				03/02/21 12:00	03/03/21 01:22	1

Client Sample ID: SW23

Date Collected: 02/26/21 14:57

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-11

Matrix: Solid

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/03/21 08:00	03/03/21 15:48	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
Toluene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
Total BTEX	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	93		70 - 130				03/03/21 08:00	03/03/21 15:48	1
4-Bromofluorobenzene	102		70 - 130				03/03/21 08:00	03/03/21 15:48	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		4.96		mg/kg		03/02/21 14:50	03/02/21 16:32	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 02:05	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 02:05	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 02:05	1
Total TPH	<50.0	U	50.0		mg/kg		03/02/21 12:00	03/03/21 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 135				03/02/21 12:00	03/03/21 02:05	1
o-Terphenyl	129		70 - 135				03/02/21 12:00	03/03/21 02:05	1

Client Sample ID: SW24

Date Collected: 02/26/21 14:37

Date Received: 03/01/21 11:11

Lab Sample ID: 890-234-12

Matrix: Solid

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/03/21 08:00	03/03/21 16:08	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1
Toluene	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: SW24

Lab Sample ID: 890-234-12

Date Collected: 02/26/21 14:37

Matrix: Solid

Date Received: 03/01/21 11:11

Method: BTEX 8021 - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/03/21 08:00	03/03/21 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130				03/03/21 08:00	03/03/21 16:08	1
4-Bromofluorobenzene	101		70 - 130				03/03/21 08:00	03/03/21 16:08	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		5.04		mg/kg		03/02/21 14:50	03/02/21 16:48	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 02:26	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 02:26	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 02:26	1
Total TPH	<49.9	U	49.9		mg/kg		03/02/21 12:00	03/03/21 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 135				03/02/21 12:00	03/03/21 02:26	1
o-Terphenyl	109		70 - 135				03/02/21 12:00	03/03/21 02:26	1

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method: BTEX 8021 - General Subcontract Method

Matrix: SOIL

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)
689852-001 S	Matrix Spike	101
689852-001 SD	Matrix Spike Duplicate	102
7722460-1-BKS	Lab Control Sample	95
7722460-1-BLK	Method Blank	96
7722460-1-BSD	Lab Control Sample Dup	96

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: BTEX 8021 - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)
890-234-1	FS52A	103	96
890-234-2	FS64A	103	101
890-234-3	FS65A	102	101
890-234-4	FS79A	106	98
890-234-5	FS81A	104	96
890-234-6	FS85A	113	93
890-234-7	FS102A	105	99
890-234-8	FS108A	102	95
890-234-9	SW09	100	88
890-234-10	SW10	90	124
890-234-11	SW23	102	93
890-234-12	SW24	101	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

DFBZ = 1,4-Difluorobenzene

Method: TPH 8015_NM_MOD - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-234-1	FS52A	103	112
890-234-2	FS64A	104	114
890-234-3	FS65A	108	118
890-234-4	FS79A	102	113
890-234-5	FS81A	105	116
890-234-6	FS85A	109	118
890-234-7	FS102A	103	114
890-234-8	FS108A	107	120
890-234-9	SW09	110	112
890-234-10	SW10	109	110
890-234-11	SW23	121	129
890-234-12	SW24	103	109

Surrogate Legend

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 890-234-1
SDG: 31402909.03

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method: BTEX 8021 - General Subcontract Method

Lab Sample ID: 7722460-1-BLK

Matrix: SOIL

Analysis Batch: 3152433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152433_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/03/21 08:00	03/03/21 11:00	1
Ethylbenzene	<.002	U	.002		mg/kg		03/03/21 08:00	03/03/21 11:00	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/03/21 08:00	03/03/21 11:00	1
o-Xylene	<.002	U	.002		mg/kg		03/03/21 08:00	03/03/21 11:00	1
Toluene	<.002	U	.002		mg/kg		03/03/21 08:00	03/03/21 11:00	1

Surrogate	BLANK %Recovery	BLANK Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130	03/03/21 08:00	03/03/21 11:00	1

Lab Sample ID: 7722460-1-BKS

Matrix: SOIL

Analysis Batch: 3152433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152433_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0765		mg/kg		77	70 - 130
Ethylbenzene	.1	0.0784		mg/kg		78	71 - 129
m,p-Xylenes	.2	0.154		mg/kg		77	70 - 135
o-Xylene	.1	0.0807		mg/kg		81	71 - 133
Toluene	.1	0.0719		mg/kg		72	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		70 - 130

Lab Sample ID: 7722460-1-BSD

Matrix: SOIL

Analysis Batch: 3152433

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152433_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	.1	0.0816		mg/kg		82	70 - 130	6	35
Ethylbenzene	.1	0.0849		mg/kg		85	71 - 129	8	35
m,p-Xylenes	.2	0.168		mg/kg		84	70 - 135	9	35
o-Xylene	.1	0.0868		mg/kg		87	71 - 133	7	35
Toluene	.1	0.0781		mg/kg		78	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		70 - 130

Lab Sample ID: 689852-001 S

Matrix: SOIL

Analysis Batch: 3152433

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152433_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<.00202		.1	0.0682		mg/kg		68	70 - 130
Ethylbenzene	<.00202		.1	0.0734		mg/kg		73	71 - 129
m,p-Xylenes	<.00403		.2	0.143		mg/kg		72	70 - 135
o-Xylene	<.00202		.1	0.0733		mg/kg		73	71 - 133
Toluene	<.00202		.1	0.0657		mg/kg		66	70 - 130

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method: BTEX 8021 - General Subcontract Method (Continued)

Lab Sample ID: 689852-001 S
Matrix: SOIL
Analysis Batch: 3152433

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3152433_P

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 689852-001 SD
Matrix: SOIL
Analysis Batch: 3152433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3152433_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<.00202		.101	0.0636		mg/kg		63	70 - 130	7	35
Ethylbenzene	<.00202		.101	0.0695		mg/kg		69	71 - 129	5	35
m,p-Xylenes	<.00403		.202	0.135		mg/kg		67	70 - 135	6	35
o-Xylene	<.00202		.101	0.0697		mg/kg		69	71 - 133	5	35
Toluene	<.00202		.101	0.0618		mg/kg		61	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	102		70 - 130

Method: CHLORIDE E300 - General Subcontract Method

Lab Sample ID: 7722337-1-BLK
Matrix: SOIL
Analysis Batch: 3152272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3152272_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		03/02/21 14:50	03/02/21 15:01	1

Lab Sample ID: 7722337-1-BKS
Matrix: SOIL
Analysis Batch: 3152272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3152272_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	231		mg/kg		92	80 - 120

Lab Sample ID: 7722337-1-BSD
Matrix: SOIL
Analysis Batch: 3152272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3152272_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	231		mg/kg		92	80 - 120	0	20

Lab Sample ID: 689852-001 S
Matrix: SOIL
Analysis Batch: 3152272

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3152272_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4840		2520	7530		mg/kg		107	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method: CHLORIDE E300 - General Subcontract Method (Continued)

Lab Sample ID: 689852-001 SD

Matrix: SOIL

Analysis Batch: 3152272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152272_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4840		2520	7520		mg/kg		106	80 - 120	0	20

Lab Sample ID: 689852-011 S

Matrix: SOIL

Analysis Batch: 3152272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152272_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	225		248	441		mg/kg		87	80 - 120		

Lab Sample ID: 689852-011 SD

Matrix: SOIL

Analysis Batch: 3152272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152272_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	225		248	438		mg/kg		86	80 - 120	1	20

Method: TPH 8015_NM_MOD - General Subcontract Method

Lab Sample ID: 7722388-1-BLK

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/02/21 12:00	03/02/21 20:24	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/02/21 12:00	03/02/21 20:24	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/02/21 12:00	03/02/21 20:24	1

Lab Sample ID: 7722388-1-BKS

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	1000	993		mg/kg		99	70 - 135		
Gasoline Range Hydrocarbons (GRO)	1000	1030		mg/kg		103	70 - 135		

Lab Sample ID: 7722388-1-BSD

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1060		mg/kg		106	70 - 135	7	20
Gasoline Range Hydrocarbons (GRO)	1000	1100		mg/kg		110	70 - 135	7	20

Lab Sample ID: 689852-001 S

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	<49.9		998	868		mg/kg		87	70 - 135		

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Lab Sample ID: 689852-001 S

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Hydrocarbons (GRO)	<49.9		998	917		mg/kg		92	70 - 135

Lab Sample ID: 689852-001 SD

Matrix: SOIL

Analysis Batch: 3152495

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3152495_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<49.9		997	928		mg/kg		93	70 - 135	7	20
Gasoline Range Hydrocarbons (GRO)	<49.9		997	968		mg/kg		97	70 - 135	5	20

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Subcontract

Analysis Batch: 3152272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-2	FS64A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-3	FS65A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-4	FS79A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-5	FS81A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-6	FS85A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-7	FS102A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-8	FS108A	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-9	SW09	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-10	SW10	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-11	SW23	Total/NA	Solid	CHLORIDE E30C	3152272_P
890-234-12	SW24	Total/NA	Solid	CHLORIDE E30C	3152272_P
7722337-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E30C	3152272_P
7722337-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E30C	3152272_P
7722337-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E30C	3152272_P
689852-001 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E30C	3152272_P
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E30C	3152272_P
689852-011 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E30C	3152272_P
689852-011 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E30C	3152272_P

Analysis Batch: 3152433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-2	FS64A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-3	FS65A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-4	FS79A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-5	FS81A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-6	FS85A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-7	FS102A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-8	FS108A	Total/NA	Solid	BTEX 8021	3152433_P
890-234-9	SW09	Total/NA	Solid	BTEX 8021	3152433_P
890-234-10	SW10	Total/NA	Solid	BTEX 8021	3152433_P
890-234-11	SW23	Total/NA	Solid	BTEX 8021	3152433_P
890-234-12	SW24	Total/NA	Solid	BTEX 8021	3152433_P
7722460-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3152433_P
7722460-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3152433_P
7722460-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3152433_P
689852-001 S	Matrix Spike	Total/NA	SOIL	BTEX 8021	3152433_P
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	BTEX 8021	3152433_P

Analysis Batch: 3152495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	TPH	3152495_P
890-234-2	FS64A	Total/NA	Solid	8015_NM_MOD TPH	3152495_P
890-234-3	FS65A	Total/NA	Solid	8015_NM_MOD TPH	3152495_P
890-234-4	FS79A	Total/NA	Solid	8015_NM_MOD TPH	3152495_P
890-234-5	FS81A	Total/NA	Solid	8015_NM_MOD TPH	3152495_P

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Subcontract (Continued)

Analysis Batch: 3152495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-6	FS85A	Total/NA	Solid	TPH	3152495_P
890-234-7	FS102A	Total/NA	Solid	TPH	3152495_P
890-234-8	FS108A	Total/NA	Solid	TPH	3152495_P
890-234-9	SW09	Total/NA	Solid	TPH	3152495_P
890-234-10	SW10	Total/NA	Solid	TPH	3152495_P
890-234-11	SW23	Total/NA	Solid	TPH	3152495_P
890-234-12	SW24	Total/NA	Solid	TPH	3152495_P
7722388-1-BLK	Method Blank	Total/NA	SOIL	TPH	3152495_P
7722388-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH	3152495_P
7722388-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH	3152495_P
689852-001 S	Matrix Spike	Total/NA	SOIL	TPH	3152495_P
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	TPH	3152495_P

Prep Batch: 3152272_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	E300P	
890-234-2	FS64A	Total/NA	Solid	E300P	
890-234-3	FS65A	Total/NA	Solid	E300P	
890-234-4	FS79A	Total/NA	Solid	E300P	
890-234-5	FS81A	Total/NA	Solid	E300P	
890-234-6	FS85A	Total/NA	Solid	E300P	
890-234-7	FS102A	Total/NA	Solid	E300P	
890-234-8	FS108A	Total/NA	Solid	E300P	
890-234-9	SW09	Total/NA	Solid	E300P	
890-234-10	SW10	Total/NA	Solid	E300P	
890-234-11	SW23	Total/NA	Solid	E300P	
890-234-12	SW24	Total/NA	Solid	E300P	
7722337-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722337-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722337-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689852-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	
689852-011 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689852-011 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Subcontract

Prep Batch: 3152433_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	SW5035A	
890-234-2	FS64A	Total/NA	Solid	SW5035A	
890-234-3	FS65A	Total/NA	Solid	SW5035A	
890-234-4	FS79A	Total/NA	Solid	SW5035A	
890-234-5	FS81A	Total/NA	Solid	SW5035A	
890-234-6	FS85A	Total/NA	Solid	SW5035A	
890-234-7	FS102A	Total/NA	Solid	SW5035A	
890-234-8	FS108A	Total/NA	Solid	SW5035A	
890-234-9	SW09	Total/NA	Solid	SW5035A	
890-234-10	SW10	Total/NA	Solid	SW5035A	
890-234-11	SW23	Total/NA	Solid	SW5035A	
890-234-12	SW24	Total/NA	Solid	SW5035A	
7722460-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722460-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722460-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	
689852-001 S	Matrix Spike	Total/NA	SOIL	SW5035A	
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW5035A	

Prep Batch: 3152495_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-234-1	FS52A	Total/NA	Solid	SW8015P	
890-234-2	FS64A	Total/NA	Solid	SW8015P	
890-234-3	FS65A	Total/NA	Solid	SW8015P	
890-234-4	FS79A	Total/NA	Solid	SW8015P	
890-234-5	FS81A	Total/NA	Solid	SW8015P	
890-234-6	FS85A	Total/NA	Solid	SW8015P	
890-234-7	FS102A	Total/NA	Solid	SW8015P	
890-234-8	FS108A	Total/NA	Solid	SW8015P	
890-234-9	SW09	Total/NA	Solid	SW8015P	
890-234-10	SW10	Total/NA	Solid	SW8015P	
890-234-11	SW23	Total/NA	Solid	SW8015P	
890-234-12	SW24	Total/NA	Solid	SW8015P	
7722388-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722388-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722388-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
689852-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
689852-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS52A

Lab Sample ID: 890-234-1

Date Collected: 02/26/21 09:53

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 11:22	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		10	3152272	03/02/21 15:17	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 21:27	ARM	XM

Client Sample ID: FS64A

Lab Sample ID: 890-234-2

Date Collected: 02/26/21 12:35

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 11:42	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		10	3152272	03/02/21 15:33	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 22:31	ARM	XM

Client Sample ID: FS65A

Lab Sample ID: 890-234-3

Date Collected: 02/26/21 12:36

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 12:02	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		5	3152272	03/02/21 15:39	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 22:53	ARM	XM

Client Sample ID: FS79A

Lab Sample ID: 890-234-4

Date Collected: 02/26/21 11:26

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 12:23	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		5	3152272	03/02/21 15:44	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 23:14	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: FS81A

Lab Sample ID: 890-234-5

Date Collected: 02/26/21 11:39

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 12:43	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		5	3152272	03/02/21 15:49	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 23:35	ARM	XM

Client Sample ID: FS85A

Lab Sample ID: 890-234-6

Date Collected: 02/26/21 12:34

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 13:04	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		5	3152272	03/02/21 16:05	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/02/21 23:57	ARM	XM

Client Sample ID: FS102A

Lab Sample ID: 890-234-7

Date Collected: 02/26/21 13:32

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 13:24	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		10	3152272	03/02/21 16:11	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 00:18	ARM	XM

Client Sample ID: FS108A

Lab Sample ID: 890-234-8

Date Collected: 02/26/21 12:48

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 13:44	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		10	3152272	03/02/21 16:16	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 00:40	ARM	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Client Sample ID: SW09

Lab Sample ID: 890-234-9

Date Collected: 02/26/21 10:55

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 14:05	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		1	3152272	03/02/21 16:21	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 01:01	ARM	XM

Client Sample ID: SW10

Lab Sample ID: 890-234-10

Date Collected: 02/26/21 11:00

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 14:25	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		1	3152272	03/02/21 16:27	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 01:22	ARM	XM

Client Sample ID: SW23

Lab Sample ID: 890-234-11

Date Collected: 02/26/21 14:57

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 15:48	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		1	3152272	03/02/21 16:32	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 02:05	ARM	XM

Client Sample ID: SW24

Lab Sample ID: 890-234-12

Date Collected: 02/26/21 14:37

Matrix: Solid

Date Received: 03/01/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152433_P	03/03/21 08:00		XM
Total/NA	Analysis	BTEX 8021		1	3152433	03/03/21 16:08	KTL	XM
Total/NA	Prep	E300P		1	3152272_P	03/02/21 14:50		XM
Total/NA	Analysis	CHLORIDE E300		1	3152272	03/02/21 16:48	CHE	XM
Total/NA	Prep	SW8015P		1	3152495_P	03/02/21 12:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152495	03/03/21 02:26	ARM	XM

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Laboratory: Eurofins Midland

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

Protocol References:

None = None

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-234-1
SDG: 31402909.03

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-234-1	FS52A	Solid	02/26/21 09:53	03/01/21 11:11	
890-234-2	FS64A	Solid	02/26/21 12:35	03/01/21 11:11	
890-234-3	FS65A	Solid	02/26/21 12:36	03/01/21 11:11	
890-234-4	FS79A	Solid	02/26/21 11:26	03/01/21 11:11	
890-234-5	FS81A	Solid	02/26/21 11:39	03/01/21 11:11	
890-234-6	FS85A	Solid	02/26/21 12:34	03/01/21 11:11	
890-234-7	FS102A	Solid	02/26/21 13:32	03/01/21 11:11	
890-234-8	FS108A	Solid	02/26/21 12:48	03/01/21 11:11	
890-234-9	SW09	Solid	02/26/21 10:55	03/01/21 11:11	
890-234-10	SW10	Solid	02/26/21 11:00	03/01/21 11:11	
890-234-11	SW23	Solid	02/26/21 14:57	03/01/21 11:11	
890-234-12	SW24	Solid	02/26/21 14:37	03/01/21 11:11	



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)

Chain of Custody

Work Order No: _____

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Page _____ of 2

Project Manager: Kalei Jennings Bill to: (if different) Ike Tavaréz

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, itavaréz@concho.com

Project Name: Stovepipe Release Turn Around

Project Number: 31402909.03 Routine ☐

P.O. Number: Lea Rush: 24hr CI

Sampler's Name: William Mather Due Date:

SAMPLE RECEIPT Temp Blank: ☒ Yes ☐ No Wet Ice: ☒ Yes ☐ No

Temperature (°C): 24/2.2 Thermometer ID

Received Intact: ☒ Yes ☐ No Correction Factor: -0.2

Cooler Custody Seals: Yes ☒ No N/A Total Containers: 12

Sample Custody Seals: Yes ☒ No N/A

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers												
FS52A	S	2/26/2021	9:53	4.5'	1	X	X	X									
FS64A	S	2/26/2021	12:35	5'	1	X	X	X									
FS65A	S	2/26/2021	12:36	5'	1	X	X	X									
FS79A	S	2/26/2021	11:26	4.5'	1	X	X	X									
FS81A	S	2/26/2021	11:39	4.5'	1	X	X	X									
FS85A	S	2/26/2021	12:34	5'	1	X	X	X									
FS102A	S	2/26/2021	13:32	5'	1	X	X	X									
FS108A	S	2/26/2021	12:48	5'	1	X	X	X									
SW09	S	2/26/2021	10:55	0-4'	1	X	X	X									
SW10	S	2/26/2021	11:00	0-4'	1	X	X	X									

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 Ti 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 Ti 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
<i>[Signature]</i>	<i>[Signature]</i>	3/01/21 @ 1105	<i>[Signature]</i>	<i>[Signature]</i>	3-1-21 1111



890-234 Chain of Custody

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

Sample Comments

Work Order Notes

Work Order Comments

Program: ☐ RP ☐ Brownfields ☐ RC ☐ Superfund

State of Project:

Reporting Level: ☐ Level II ☐ Level III ☐ Level IV ☐ Level VDeliverables: EDD ☐ ADAPT ☐ Other:



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 (505) 392-7550 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000

Chain of Custody

Work Order No: _____

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3/4/2021

Project Manager:		Kalel Jennings		Bill to: (if different)		Ike Tavaraz	
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, kalel.jennings@wsp.com, itavaraz@concho.com	
Project Name:		Stovepipe Release		Turn Around			
Project Number:		31402909.03		Routine			
P.O. Number:		Lea		Rush: 24hr Cl			
Sampler's Name:		William Mather		Due Date:			

SAMPLE RECEIPT		Temp Blank:	Yes	No	Well Ice:	Yes	No
Temperature (°C):					Thermometer ID		
Received Intact:		Yes	No	See Tag 1			
Cooler Custody Seals:		Yes	No	Correction Factors			
Sample Custody Seals:		Yes	No	Total Containers:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers			ANALYSIS REQUEST														Work Order Notes	
					TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)																
SW23	S	2/26/2021	14:57	0-4	1	X	X	X															Composite
SW24	S	2/26/2021	14:37	0-4	1	X	X	X															Composite

Total 200.7 / 6010		200.8 / 6020:		8RCRA 13PPM Texas 11		AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti 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 Ti U		1631 / 245.1 / 7470 / 7471 - Hg	

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
[Signature]		[Signature]		3/10/21 @ 1105		[Signature]		[Signature]		3-1-21 1111	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-234-1

SDG Number: 31402909.03

Login Number: 234

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-238-1

Laboratory Sample Delivery Group: 31402909.03

Client Project/Site: Stovepipe Release

For:

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

Attn: Kalei Jennings

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

Authorized for release by:
3/8/2021 4:52:56 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Laboratory Job ID: 890-238-1
SDG: 31402909.03

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

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: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Job ID: 890-238-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-238-1

Receipt

The samples were received on 3/2/2021 12:49 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 2.0°C

Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Client Sample ID: FS124

Lab Sample ID: 890-238-1

Date Collected: 03/02/21 10:22

Matrix: Solid

Date Received: 03/02/21 12:49

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/kg		03/04/21 12:45	03/05/21 01:00	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1
Toluene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	115		70 - 130	03/04/21 12:45	03/05/21 01:00	1
4-Bromofluorobenzene	89		70 - 130	03/04/21 12:45	03/05/21 01:00	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	831		4.97		mg/kg		03/05/21 11:40	03/05/21 11:19	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	221		49.9		mg/kg		03/05/21 13:00	03/05/21 21:05	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/05/21 13:00	03/05/21 21:05	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/05/21 13:00	03/05/21 21:05	1
Total TPH	221		49.9		mg/kg		03/05/21 13:00	03/05/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 135	03/05/21 13:00	03/05/21 21:05	1
o-Terphenyl	76		70 - 135	03/05/21 13:00	03/05/21 21:05	1

Client Sample ID: FS129

Lab Sample ID: 890-238-2

Date Collected: 03/02/21 10:17

Matrix: Solid

Date Received: 03/02/21 12:49

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1
m,p-Xylenes	<0.00404	U	0.00404		mg/kg		03/04/21 12:45	03/05/21 01:20	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1
Toluene	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/04/21 12:45	03/05/21 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	116		70 - 130	03/04/21 12:45	03/05/21 01:20	1
4-Bromofluorobenzene	95		70 - 130	03/04/21 12:45	03/05/21 01:20	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5010		49.9		mg/kg		03/05/21 11:40	03/05/21 11:24	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	174		50.0		mg/kg		03/05/21 13:00	03/05/21 21:26	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Client Sample ID: FS129

Lab Sample ID: 890-238-2

Date Collected: 03/02/21 10:17

Matrix: Solid

Date Received: 03/02/21 12:49

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/05/21 13:00	03/05/21 21:26	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/05/21 13:00	03/05/21 21:26	1
Total TPH	174		50.0		mg/kg		03/05/21 13:00	03/05/21 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 135				03/05/21 13:00	03/05/21 21:26	1
o-Terphenyl	81		70 - 135				03/05/21 13:00	03/05/21 21:26	1

Client Sample ID: FS133

Lab Sample ID: 890-238-3

Date Collected: 03/02/21 10:09

Matrix: Solid

Date Received: 03/02/21 12:49

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/04/21 12:45	03/05/21 01:41	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
Toluene	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/04/21 12:45	03/05/21 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	112		70 - 130				03/04/21 12:45	03/05/21 01:41	1
4-Bromofluorobenzene	85		70 - 130				03/04/21 12:45	03/05/21 01:41	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5690		50.0		mg/kg		03/05/21 11:40	03/05/21 11:29	10

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.8	U	49.8		mg/kg		03/05/21 13:00	03/05/21 21:48	1
Gasoline Range Hydrocarbons (GRO)	<49.8	U	49.8		mg/kg		03/05/21 13:00	03/05/21 21:48	1
Motor Oil Range Hydrocarbons (MRO)	<49.8	U	49.8		mg/kg		03/05/21 13:00	03/05/21 21:48	1
Total TPH	<49.8	U	49.8		mg/kg		03/05/21 13:00	03/05/21 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 135				03/05/21 13:00	03/05/21 21:48	1
o-Terphenyl	76		70 - 135				03/05/21 13:00	03/05/21 21:48	1

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Method: BTEX 8021 - General Subcontract Method

Matrix: SOIL

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)							
7722573-1-BKS	Lab Control Sample	71							
7722573-1-BLK	Method Blank	84							
7722573-1-BSD	Lab Control Sample Dup	71							

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: BTEX 8021 - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)						
890-238-1	FS124	89	115						
890-238-2	FS129	95	116						
890-238-3	FS133	85	112						

Surrogate Legend

BFB = 4-Bromofluorobenzene

DFBZ = 1,4-Difluorobenzene

Method: TPH 8015_NM_MOD - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)						
890-238-1	FS124	80	76						
890-238-2	FS129	84	81						
890-238-3	FS133	79	76						

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Method: BTEX 8021 - General Subcontract Method

Lab Sample ID: 7722573-1-BLK

Matrix: SOIL

Analysis Batch: 3152593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152593_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/04/21 12:45	03/04/21 19:27	1
Ethylbenzene	<.002	U	.002		mg/kg		03/04/21 12:45	03/04/21 19:27	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/04/21 12:45	03/04/21 19:27	1
o-Xylene	<.002	U	.002		mg/kg		03/04/21 12:45	03/04/21 19:27	1
Toluene	<.002	U	.002		mg/kg		03/04/21 12:45	03/04/21 19:27	1

Surrogate	BLANK %Recovery	BLANK Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		70 - 130	03/04/21 12:45	03/04/21 19:27	1

Lab Sample ID: 7722573-1-BKS

Matrix: SOIL

Analysis Batch: 3152593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152593_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.118		mg/kg		118	70 - 130
Ethylbenzene	.1	0.0806		mg/kg		81	71 - 129
m,p-Xylenes	.2	0.162		mg/kg		81	70 - 135
o-Xylene	.1	0.0812		mg/kg		81	71 - 133
Toluene	.1	0.0881		mg/kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	71		70 - 130

Lab Sample ID: 7722573-1-BSD

Matrix: SOIL

Analysis Batch: 3152593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152593_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	.1	0.118		mg/kg		118	70 - 130	0	35
Ethylbenzene	.1	0.0904		mg/kg		90	71 - 129	11	35
m,p-Xylenes	.2	0.163		mg/kg		82	70 - 135	1	35
o-Xylene	.1	0.0744		mg/kg		74	71 - 133	9	35
Toluene	.1	0.0889		mg/kg		89	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	71		70 - 130

Method: CHLORIDE E300 - General Subcontract Method

Lab Sample ID: 7722678-1-BLK

Matrix: SOIL

Analysis Batch: 3152758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152758_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		03/05/21 11:40	03/05/21 10:44	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Method: CHLORIDE E300 - General Subcontract Method (Continued)

Lab Sample ID: 7722678-1-BKS

Matrix: SOIL

Analysis Batch: 3152758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152758_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253		mg/kg		101	80 - 120

Lab Sample ID: 7722678-1-BSD

Matrix: SOIL

Analysis Batch: 3152758

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152758_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	252		mg/kg		101	80 - 120	0	20

Method: TPH 8015_NM_MOD - General Subcontract Method

Lab Sample ID: 7722735-1-BLK

Matrix: SOIL

Analysis Batch: 3152838

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3152838_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/05/21 12:00	03/05/21 12:46	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/05/21 12:00	03/05/21 12:46	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/05/21 12:00	03/05/21 12:46	1

Lab Sample ID: 7722735-1-BKS

Matrix: SOIL

Analysis Batch: 3152838

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3152838_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1000		mg/kg		100	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	845		mg/kg		85	70 - 135

Lab Sample ID: 7722735-1-BSD

Matrix: SOIL

Analysis Batch: 3152838

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3152838_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1000		mg/kg		100	70 - 135	0	20
Gasoline Range Hydrocarbons (GRO)	1000	855		mg/kg		86	70 - 135	1	20

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Subcontract

Analysis Batch: 3152593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	BTEX 8021	3152593_P
890-238-2	FS129	Total/NA	Solid	BTEX 8021	3152593_P
890-238-3	FS133	Total/NA	Solid	BTEX 8021	3152593_P
7722573-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3152593_P
7722573-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3152593_P
7722573-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3152593_P

Analysis Batch: 3152758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	CHLORIDE E300	3152758_P
890-238-2	FS129	Total/NA	Solid	CHLORIDE E300	3152758_P
890-238-3	FS133	Total/NA	Solid	CHLORIDE E300	3152758_P
7722678-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E300	3152758_P
7722678-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E300	3152758_P
7722678-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E300	3152758_P

Analysis Batch: 3152838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	TPH	3152838_P
890-238-2	FS129	Total/NA	Solid	8015_NM_MOD TPH	3152838_P
890-238-3	FS133	Total/NA	Solid	8015_NM_MOD TPH	3152838_P
7722735-1-BLK	Method Blank	Total/NA	SOIL	8015_NM_MOD TPH	3152838_P
7722735-1-BKS	Lab Control Sample	Total/NA	SOIL	8015_NM_MOD TPH	3152838_P
7722735-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8015_NM_MOD TPH	3152838_P

Prep Batch: 3152593_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	SW5035A	
890-238-2	FS129	Total/NA	Solid	SW5035A	
890-238-3	FS133	Total/NA	Solid	SW5035A	
7722573-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722573-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722573-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	

Prep Batch: 3152758_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	E300P	
890-238-2	FS129	Total/NA	Solid	E300P	
890-238-3	FS133	Total/NA	Solid	E300P	
7722678-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722678-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722678-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Subcontract

Prep Batch: 3152838_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-238-1	FS124	Total/NA	Solid	SW8015P	
890-238-2	FS129	Total/NA	Solid	SW8015P	
890-238-3	FS133	Total/NA	Solid	SW8015P	
7722735-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722735-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722735-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Client Sample ID: FS124

Lab Sample ID: 890-238-1

Date Collected: 03/02/21 10:22

Matrix: Solid

Date Received: 03/02/21 12:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152593_P	03/04/21 12:45		XM
Total/NA	Analysis	BTEX 8021		1	3152593	03/05/21 01:00	KTL	XM
Total/NA	Analysis	CHLORIDE E300		1	3152758	03/05/21 11:19	CHE	XM
Total/NA	Prep	E300P		1	3152758_P	03/05/21 11:40		XM
Total/NA	Prep	SW8015P		1	3152838_P	03/05/21 13:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152838	03/05/21 21:05	ARM	XM

Client Sample ID: FS129

Lab Sample ID: 890-238-2

Date Collected: 03/02/21 10:17

Matrix: Solid

Date Received: 03/02/21 12:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152593_P	03/04/21 12:45		XM
Total/NA	Analysis	BTEX 8021		1	3152593	03/05/21 01:20	KTL	XM
Total/NA	Analysis	CHLORIDE E300		10	3152758	03/05/21 11:24	CHE	XM
Total/NA	Prep	E300P		1	3152758_P	03/05/21 11:40		XM
Total/NA	Prep	SW8015P		1	3152838_P	03/05/21 13:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152838	03/05/21 21:26	ARM	XM

Client Sample ID: FS133

Lab Sample ID: 890-238-3

Date Collected: 03/02/21 10:09

Matrix: Solid

Date Received: 03/02/21 12:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3152593_P	03/04/21 12:45		XM
Total/NA	Analysis	BTEX 8021		1	3152593	03/05/21 01:41	KTL	XM
Total/NA	Analysis	CHLORIDE E300		10	3152758	03/05/21 11:29	CHE	XM
Total/NA	Prep	E300P		1	3152758_P	03/05/21 11:40		XM
Total/NA	Prep	SW8015P		1	3152838_P	03/05/21 13:00		XM
Total/NA	Analysis	TPH 8015_NM_MOD		1	3152838	03/05/21 21:48	ARM	XM

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Laboratory: Eurofins Midland

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

Protocol References:

None = None

Laboratory References:

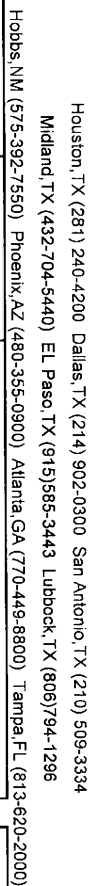
XM = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: WSP USA Inc.
Project/Site: Stovepipe Release

Job ID: 890-238-1
SDG: 31402909.03

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-238-1	FS124	Solid	03/02/21 10:22	03/02/21 12:49	
890-238-2	FS129	Solid	03/02/21 10:17	03/02/21 12:49	
890-238-3	FS133	Solid	03/02/21 10:09	03/02/21 12:49	



Chain of Custody

Work Order No:

Page _____ of _____
www.xenco.com

3/8/2021

Work Order Comments	
Program: UST/PST ☐ RP ☐ Growfields ☐ RC ☐ \$perfund ☐ State of Project: Reporting Level: II ☐ level III ☐ P/U ST ☐ RP ☐ level IV ☐ Deliverables: EDD ☐ ADaPT ☐ Other:	

[illegible]

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 	Joe Goff	3.27.12 48	2		
3			4		
5			6		

Revised Date: 05/11/13 Rev. 0018

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-238-1

SDG Number: 31402909.03

Login Number: 238

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	

ATTACHMENT 5: FINALI FORM 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

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Stove Pipe Federal com 2H

Date of Spill: 1.14.21

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: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 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							Standing Liquid Calculations						
Total Surface Area		width	length		wet soil depth	oil (%)	Standing Liquid Area		width	length		liquid depth	oil (%)
Rectangle Area #1	300 ft		100 ft	X	3.60 in	0.8%	Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 0	X	0.00 in	0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 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 #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	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 #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	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%	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.

Total Solid/Liquid Volume: 30,000 sq. ft. 8,928 cu. ft. 72 cu. ft. Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	222.6 BBL	1.8 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	222.6 BBL	1.8 BBL

Total Liquid Spill Liquid: 222.6 BBL 1.80 BBL

Recovered Volumes

Estimated oil recovered: BBL check - okay
Estimated water recovered: BBL check - okay

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 30,000 sq. ft.
Surface Area: .6887 acre

Estimated Weights and Volumes

Saturated Soil = 1,008,000 lbs 9,000 cu. ft. 333 cu. yds.
Total Liquid = 224 BBL 9,425 gallon 78,414 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

Incident ID	nAPP2102727891
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?	<u>>105</u> (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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2102727891
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 Tavaréz Title: Senior HSE Supervisor
Signature:  Date: 6/14/2021
email: Ike.Tavaréz@conocophillips.com Telephone: 432-685-2573

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2102727891
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 Tavaréz Title: Senior HSE Supervisor

Signature:  Date: 6/14/2021

email: Ike.Tavaréz@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: _____

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	nAPP2108432291
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jennifer Knowlton	Contact Telephone	(575) 748-1570
Contact email	JKnowlton@concho.com	Incident # (assigned by OCD)	
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.16585 Longitude -103.40326
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Stove Pipe Federal Com 002H	Site Type	Flow Line
Date Release Discovered	March 15, 2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
B	06	25S	35E	Lea

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) 20	Volume Recovered (bbls) 18
	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

The release was caused by a carbon steel riser that developed a pinhole due to internal corrosion. The release was in the pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	nAPP2108432291
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name Brittany N. Esparza	Title: HSE Administrative Assistant
Signature: 	Date: 03/25/2021
email: besparza@concho.com	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: _____	Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Stove Pipe Federal Com 2H

Date of Spill: 3.15.21

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: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 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							Standing Liquid Calculations						
Total Surface Area		width	length		wet soil depth	oil (%)	Standing Liquid Area		width	length		liquid depth	oil (%)
Rectangle Area #1	25 ft	X	25 ft	X	1.50 in	0.8%	Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 0	X	0.00 in	0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 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 #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	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 #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	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%	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.

Total Solid/Liquid Volume:	625 sq. ft.	78 cu. ft.	1 cu. ft.	Total Free Liquid Volume:	sq. ft.	cu. ft.	cu. ft.
Estimated Volumes Spilled				Estimated Production Volumes Lost			
		H2O	OIL			H2O	OIL
Liquid in Soil:		1.9 BBL	0.0 BBL	Estimated Production Spilled:		0.0 BBL	0.0 BBL
Free Liquid:		0.0 BBL	0.0 BBL				
Totals:		1.9 BBL	0.0 BBL				
Estimated Surface Damage				Estimated Surface Damage			
Total Liquid Spill Liquid:		1.9 BBL	0.02 BBL	Surface Area:	625 sq. ft.		
				Surface Area:	.0143 acre		
Recovered Volumes				Estimated Weights, and Volumes			
Estimated oil recovered:	BBL	check - okay		Saturated Soil =	8,750 lbs	78 cu. ft.	3 cu. yds.
Estimated water recovered:	BBL	check - okay		Total Liquid =	2 BBL	82 gallon	681 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

Incident ID	nAPP2108432291
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?	<u>>105</u> (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.

State of New Mexico
Oil Conservation Division

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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 Tavaréz Title: Senior HSE SupervisorSignature:  Date: 6/14/2021email: Ike.Tavaréz@conocophillips.com Telephone: 432-685-2573**OCD Only**

Received by: _____ Date: _____

Incident ID	nAPP2108432291
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

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Printed Name: Ike Tavaréz Title: Senior HSE Supervisor
Signature:  Date: 6/14/2021
email: Ike.Tavaréz@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: _____

Incident ID	nAPP2108432291
District RP	
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Printed Name: Ike Tavaréz Title: Senior HSE Supervisor
Signature:  Date: 6/14/2021
email: Ike.Tavaréz@conocophillips.com Telephone: 432-685-2573

OCD Only

Received by: Robert Hamlet Date: 7/30/2021

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: 7/30/2021
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

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811 S. First St., Artesia, NM 88210
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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 31738

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 31738
	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 #NAPP2102727891 STOVE PIPE FEDERAL 002H, thank you. This closure is approved.	7/30/2021