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	nAPP2126345192
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC				OGRID: 246289				
Contact Name: Jim Raley					Contact Telephone: 575-689-7597			
Contact ema	il: jim.raley(@dvn.com			Incident # (assigned by OCD) nAPP2126345192			
Contact mail 88220	ling address:	5315 Buena Vist	a Dr., Carlsbad N	IM	1			
			Location	n of R	delease S	ource		
Latitude 32.0	212364		(NAD 83 in a	lecimal de	Longitude -	-103.9734955 nal places)		
Site Name: F	A ST DECOS	S FEDERAL 22 #				Oil Production Fa	cility	
			-00311					
Date Release	Discovered:	Sept. 9 th , 2021			API# (if app	olicable) 30-015-42270		
Unit Letter	Section	Township	Range		Cour	nty		
N	22	26S	29E	Eddy	y			
Surface Owne	Materia	Federal T	Nature an	d Vol	lume of l	justification for the vo	lumes provided below)	
						Volume Recovered (bbls) 0 Volume Recovered (bbls) 8		
Z i roduccu	✓ Produced Water Volume Released (bbls) 32 Is the concentration of dissolved chloride produced water >10,000 mg/l?			chloride	e in the	✓ Yes □ No		
Condensa	ite	Volume Release				Volume Recove	red (bbls)	
Natural G	Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (de	Other (describe) Volume/Weight Released (provide units))	Volume/Weight	Recovered (provide units)		
4,000 sqft x ((2/12 ft depth		/27 cubic feet) x (15% poi	rosity) x (6.4	all remained on pi	roduction pad. d/1 cubic yard) = approximately	, 24

Page 2 of 134

Incident ID	nAPP2126345192
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
⊠ Yes □ No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc) ail on 9/9/2021 to Mike Bratcher and Emily Hernanadez.
	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 rele	ease has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
<u> </u>	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and managed appropriately.
<u> </u>	0 11 1
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:James	s Raley Title: Environmental Specialist
Signature:	Py Date:09/20/2021
email:jim.raley@dvn	.com Telephone:575-689-7597
OCD Only	
Received by: Ramona M	Date: 9/20/2021

f New Mexico

Incident ID	nAPP2126345192
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?	51-100 (ft bgs)				
Did this release impact groundwater or surface water?					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?					
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?					
Are the lateral extents of the release within 300 feet of a wetland?					
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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil				
Characterization Report Checklist: Each of the following items must be included in the report.					
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wel	ls.				
☐ Data table of soil contaminant concentration data ☐ Depth to water determination					
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs					
Photographs including date and GIS information					
☐ Topographic/Aerial maps ☐ Laboratory data including chain of custody					

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

Received by OCD: 3/2/2022 3:04:37 PM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

	Page 4 of 1	34
)	nAPP2126345192	

Incident ID	nAPP2126345192
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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. _____ _{Title:} Environmental Professional Printed Name: Jim Raley Date: 3/2/2022 Signature: email: jim.raley@dvn.com Telephone: 575-689-7597 **OCD Only**

Date: _____

Page 5 of 134

Incident ID	nAPP2126345192
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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 it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Jim Raley	Title: Environmental Professional
Signature:	Date: 3/2/2022
_{email:} jim.raley@dvn.com	Telephone: 575-689-7597
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: 03/14/2022
Printed Name:Jennifer Nobui	Title:Environmental Specialist A

wsp

WSP USA

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

March 2, 2022

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

RE: Closure Request

East Pecos Federal 22 #005H Incident Number nAPP2126345192 Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of WPX Energy Permian, LLC. (WPX), is pleased to present the following Closure Request detailing site assessment, soil sampling, and excavation activities at the East Pecos Federal 22 #005H (Site) located in Unit N, Section 22, Township 26 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, delineation and excavation activities was to address impacts to soil following a release of produced water at the Site. Based on the excavation activities and results of the soil sampling events, WPX is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number nAPP2126345192.

RELEASE BACKGROUND

On September 9, 2021, a pinhole leak developed in a water gathering line, resulting in the release of 32 barrels (bbls) of produced water onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluid. The vacuum truck was able to recover 8 bbls of produced water. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141 on September 20, 2021 and was assigned Incident Number nAPP2126345192.

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). There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation, to suggest the Site is conducive to sensitive receptors. Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. Field verification is sometimes necessary to measure the distance of a water well from the release extent and to confirm the water well location exists. During the field assessment to verify United States Geological Survey



(USGS) well 320126103562801 (approximately 532 feet northwest), WSP verified that the well did not exist, therefore the nearest permitted water well with depth to water data is United USGS) file number 320112103574501, located approximately 0.58 miles southeast of the Site (57.38 feet bgs). Within a 1-mile radius of the Site, two other water wells, USGS wells 320135103573301 and 320106103555301, indicate depth to water is 80.88 feet bgs and 53.46 feet bgs, respectively. Regionally, depth to water appears to be greater than 51 feet bgs and therefore the depth to water estimate for USGS well 320112103574501 appears to be consistent with the regional data, thus a representative water well for estimating depth to water for the Site. Figure 1 depicts the three water wells described above.

The closest continuously flowing or significant watercourse to the Site is a stream/river, located approximately 1,157 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On September 15 through September 30, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141. WSP reviewed and verified the incident description (release source and release location) through visual observations and delineation activities.

WSP advanced nine potholes, two within the release extent (PH01 and PH02) and an additional seven (PH03 through PH09) around the release extent via mechanical equipment, in order to evaluate the vertical and lateral extent of impacts. WSP personnel screened soil for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and



Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

WSP personnel collected two discrete soil samples from each pothole location; one in accordance with the highest field screening (approximately 1-foot bgs) and the other at the pothole terminus (approximately 4 feet bgs). The soil samples were placed directly into a pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures, to Eurofins LLC. (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil sampling logs and lithologic descriptions are included in Attachment 2.

Based on visible staining in the release area and elevated field screening results, excavation appeared warranted.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

On September 30, 2021, WSP personnel were at the Site to oversee excavation activities. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride. Photographic documentation is included in Attachment 3.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil sample SW01 was collected from all of the sidewalls of the excavation at depths ranging from the ground surface to approximately 2 feet bgs. Composite soil samples FS01 through FS03 were collected from the floor of the excavation at depths of approximately 2 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as previously described. The excavation extent and excavation soil sample locations are presented on Figure 3.

The excavation area totaled approximately 436 square feet. A total of approximately 19 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at a R360 Facility under WPX-approved manifests. After completion of confirmation sampling, the excavation area was secured with fencing.



SOIL ANALYTICAL RESULTS

Laboratory analytical results for pothole sample PH01 at 1 foot bgs indicated TPH and TPH-GRO/TPH-DRO concentrations exceeded Closure Criteria. Laboratory analytical results for PH01 at 4 feet bgs indicated that all tested parameters are compliant with Closure Criteria.

All lateral delineation soil samples collected (PH02 through PH09) indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Furthermore, PH03, PH05 through PH09 indicate immediate lateral delineation of the release in all cardinal directions as all samples collected from these potholes met the strictest standards—chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg.

Laboratory analytical results for excavation sidewall samples SW01 and floor samples FS01 through FS03 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the September 9, 2021 release of produced water. Laboratory analytical results for excavation soil samples indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no further remediation appears required. Following approval of the Closure Request by NMOCD, WSP will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

WSP and WPX believe these remedial actions are protective of human health, the environment, and groundwater. As such, WPX respectfully requests NFA for Incident Number nAPP2126345192.

If you have any questions or comments, please do not hesitate to contact Mr. Daniel R. Moir (303) 887-2946.

Sincerely,

WSP USA Inc.

Anna Byers

anna Byers

Consultant, Geologist

Daniel R. Moir, P.G.

Lead Consultant, Geologist



cc: Jim Raley, Devon Energy Corporation Bureau of Land Management

Attachments:

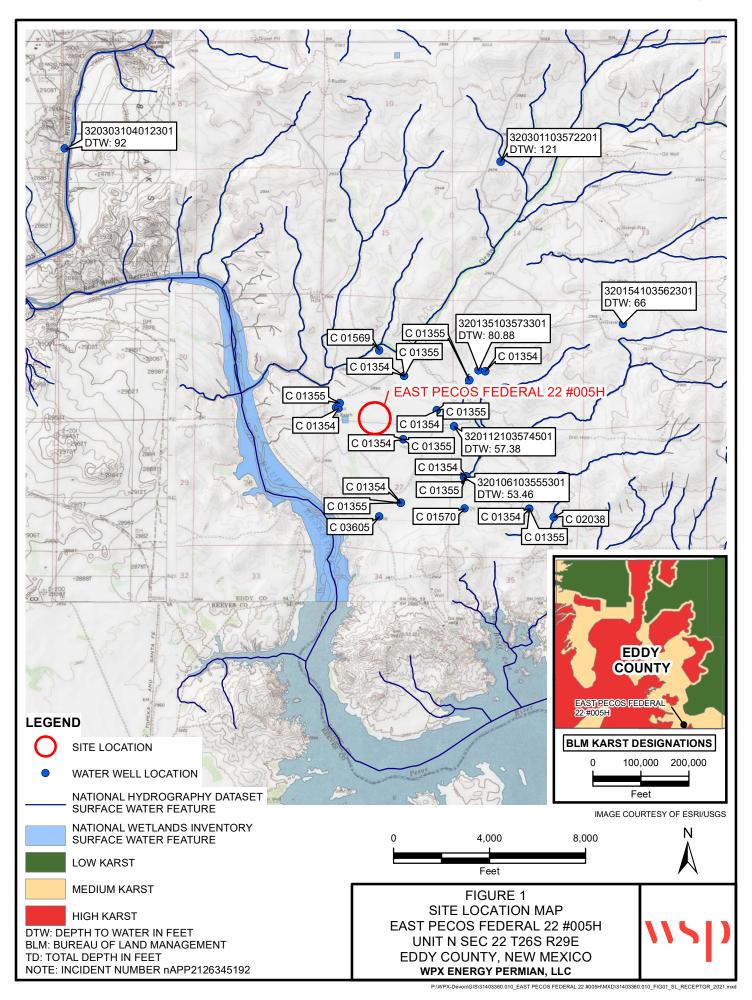
Figure 1 Site Location Map

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

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



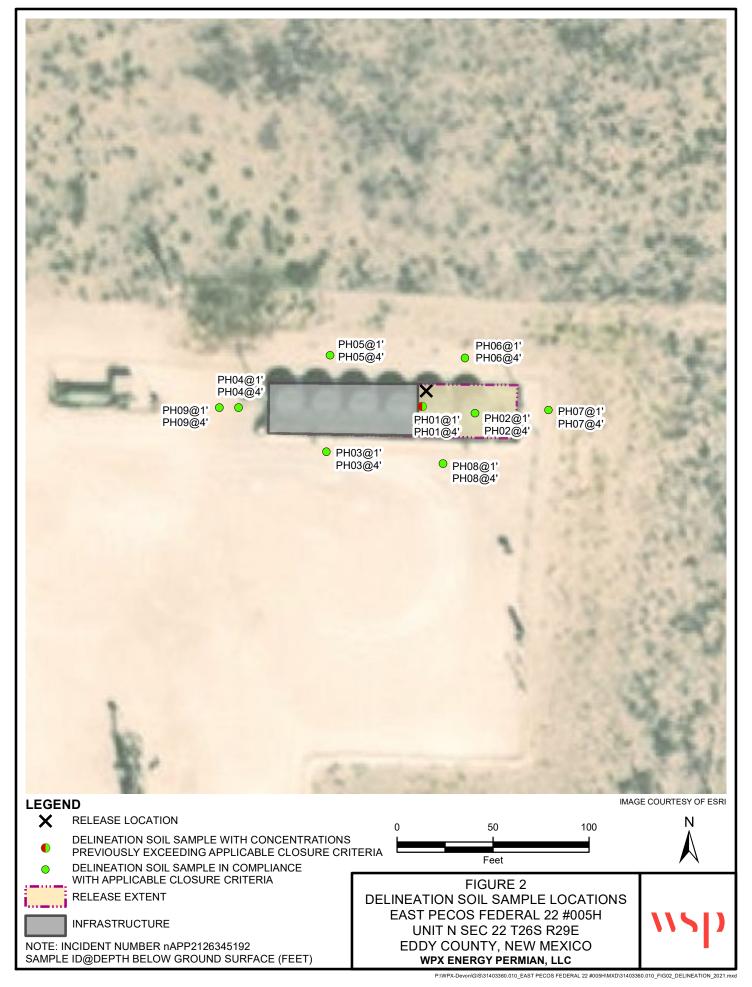




Table 1

Soil Analytical Results East Pecos Federal 22 #005H Incident Number nAPP2126345192 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	Total Xylenes (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	NE	50	NE	NE	NE	1,000	2,500	10,000
Delineation Samp	oles										
PH01	09/15/2021	1	0.0235	< 0.00198	6.4	187	1,030	111	1,220	1,330	6,160
PH01	09/15/2021	4	< 0.00198	< 0.00200	< 0.00396	<50.0	<50.0	< 50.0	<49.9	< 50.0	814
PH02	09/16/2021	1	< 0.00200	< 0.00198	0.393	<49.9	121	<49.9	121	121	404
PH02	09/16/2021	4	< 0.00198	< 0.00199	< 0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	1,490
PH03	09/16/2021	1	< 0.00200	< 0.00199	< 0.00400	<49.8	<49.8	<49.8	<49.9	<49.8	555
PH03	09/16/2021	4	< 0.00202	< 0.00200	< 0.00403	< 50.0	< 50.0	< 50.0	<49.8	< 50.0	182
PH04	09/16/2021	1	< 0.00200	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<50.0	<49.9	563
PH04	09/16/2021	4	< 0.00201	< 0.00202	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	735
PH05	09/16/2021	1	< 0.00199	< 0.00198	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	133
PH05	09/16/2021	4	< 0.00201	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.9	<49.8	98.1
PH06	09/16/2021	1	< 0.00200	< 0.00200	< 0.00400	<50.0	<50.0	<50.0	<49.9	<50.0	551
PH06	09/16/2021	4	< 0.00200	< 0.00200	< 0.00400	< 50.0	< 50.0	< 50.0	<49.8	< 50.0	462
PH07	09/16/2021	1	< 0.00198	< 0.00198	< 0.00397	<49.8	<49.8	<49.8	<50.0	<49.8	60.6
PH07	09/16/2021	4	< 0.00200	< 0.00199	< 0.00400	< 50.0	< 50.0	< 50.0	<49.9	< 50.0	368
PH08	09/30/2021	1	< 0.00202	< 0.00199	< 0.00200	<49.8	<50.0	<49.8	<49.9	<49.8	117
PH08	09/30/2021	4	< 0.00200	< 0.00200	< 0.00200	<49.9	<50.0	<49.9	<49.8	<49.9	36.1
PH09	09/30/2021	1	< 0.00199	< 0.00200	< 0.00200	<49.9	<50.0	<49.9	<50.0	<49.9	54.2
PH09	09/30/2021	4	< 0.00202	< 0.00202	< 0.00200	< 50.0	< 50.0	< 50.0	<49.9	< 50.0	80.1
Excavation Samp	Excavation Samples										
FS01	09/30/2021	2	< 0.00202	< 0.00198	< 0.00200	<49.8	<49.8	<49.8	<50.0	< 50.0	2,040
FS02	09/30/2021	2	< 0.00199	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	164
FS03	09/30/2021	2	< 0.00198	< 0.00200	< 0.00396	<49.8	<49.8	<49.8	<50.0	<50.0	78.4
SW01	09/30/2021	0 - 2	< 0.00201	< 0.00198	< 0.00200	<49.9	<49.9	<49.9	<50.0	<50.0	2,940

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

DRO - diesel range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

NE - Not Established

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

BOLD - indicates results exceed the higher of the background sample res

* - indicates sample was collected in area to be reclaimed after remediation is complete; closure criteria for chloride concentrationin the top 4 feet of soil is 600 mg/kg



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USGS Water Resources (Cooperator Access)

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Table of data

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usqs

site_no list =

• 320112103574501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320112103574501 26S.29E.22.333242

Eddy County, New Mexico Latitude 32°01'12", Longitude 103°57'45" NAD27 Land-surface elevation 2,892.0 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Outp	out f	ormats
------	-------	--------

ab-separate	d data										
Graph of data											
Reselect period											
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1993-01-05	21:45 UTC	m	62610		2834.62	NGVD29	1	S			Α
1993-01-05	21:45 UTC	m	62611		2836.14	NAVD88	1	S			A
1993-01-05	21:45 UTC	m	72019	57.38			1	9			Α

Ex	plar	nati	on

Section	Code	Description				
Water-level date-time accuracy	m	Date is accurate to the Minute				
Parameter code	62610	Groundwater level above NGVD 1929, feet				
Parameter code	62611	Groundwater level above NAVD 1988, feet				
Parameter code	72019	Depth to water level, feet below land surface				
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929				
Status	1	Static				
Method of measurement	S	Steel-tape measurement.				
Measuring agency		Not determined				
Source of measurement		Not determined				
Water-level approval status	Α	Approved for publication Processing and review completed.				

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■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320106103555301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320106103555301 26S.29E.26.13143

Eddy County, New Mexico

Latitude 32°00'51.3", Longitude 103°57'42.0" NAD83

Land-surface elevation 2,883.00 feet above NGVD29

The depth of the well is 140 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

Table of data	
<u>Tab-separated data</u>	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1983-01-26		D	62610		2828.70	NGVD29	1	Z			
1983-01-26		D	62611		2830.22	NAVD88	1	Z			
1983-01-26		D	72019	54.30			1	Z			
1987-10-14		D	62610		2847.71	NGVD29	1	Z			
1987-10-14		D	62611		2849.23	NAVD88	1	Z			
1987-10-14		D	72019	35.29			1	Z			
1992-11-04		D	62610		2838.94	NGVD29	1	S			
1992-11-04		D	62611		2840.46	NAVD88	1	S			
1992-11-04		D	72019	44.06			1	S			
1998-01-28		D	62610		2829.99	NGVD29	1	S			
1998-01-28		D	62611		2831.51	NAVD88	1	S			
1998-01-28		D	72019	53.01			1	S			
2003-01-27		D	62610		2827.07	NGVD29	1	S	USGS		5
2003-01-27		D	62611		2828.59	NAVD88	1	S	USGS		5
2003-01-27		D		55.93			1	S	USGS		5
2013-01-09					2825.19	NGVD29	1	S	USGS		5
2013-01-09					2826.71	NAVD88	1	S			5
2013-01-09				57.81			1	S	USGS		5
2021-02-24					2829.54	NGVD29	1	S	USGS		5
2021-02-24					2831.06	NAVD88	1	S	USGS		5
2021-02-24	21:10 UTC	m	72019	53.46			1	S	USGS	5	5

Explanation	
-------------	--

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usas

site_no list =

• 320135103573301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320135103573301 26S.29E.23.31220

Eddy County, New Mexico

Latitude 32°01'35", Longitude 103°57'33" NAD27

Land-surface elevation 2,913 feet above NGVD29

The depth of the well is 170.00 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Forty-Niner Member of Rustler Formation (310FRNR) local aquifer.

Output formats

Table of data	<u>Fable of data</u>											
Tab-separated	Tab-separated data											
Graph of data												
Reselect perio	d											
	?	Water	Water					2				

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1987-10-14	ŀ	D	62610		2832.12	NGVD29	1	S			Α
1987-10-14	ŀ	D	62611		2833.65	NAVD88	1	S			Α
1987-10-14	ļ.	D	72019	80.88			1	S			Α

Explanation

Section	Code	Description
Water-level date-time accuracy D		Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site **Automated retrievals** <u>Help</u> **Data Tips Explanation of terms** Subscribe for system changes

	\\'	1) OLOG	5 Carl		Pothole Name: PH01 Site Name: East Pecos Incident Number: nAPP2 WSP Job Number: 3140 Logged By: Anna Byers	21263451	192			
Lat/Lo	ong: 1728, -103	072070			Field Scre				Hole Diameter: N/A		Total Depth: 4 feet
Comn	nents: Chlo	ride value	es do no	ot include co	Chloride, rection fac	tor. Chlori	de field sc	reening cor	nducted with 1:4 dilution o	of soil to o	
BDL -	Below Det	ection Lir	nit; Moi	sture Conten	t "D" Dry/ '	M" Moist		1			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lith	ology/R	Remarks
M	M 10,044 3,496 YES PH01 1 1 SP-SM tan-brown non-plas							/n poorly-graded SA tic/non-cohesive	ND with	h silt and gravel, odor,	
	704	116.0	NO	PH01	- - - 4	3 - - - 4		light tan tal Depth		cemen	ited CALICHE, no odor

111	51)	5 Carl	WS 08 West S sbad, Ne	P USA Stevens S w Mexico		Pothole Name: PH02 Site Name: East Pecos Federal Incident Number: nAPP2126345 WSP Job Number: 31403360.0	5192	
	ITH	טו טפ	IC / SOIL	SAMPI	INGIO	G		Logged By: Anna Byers	Method: Back-Hoe
Lat/Long:			. 2 / 0012	Field Scre				Hole Diameter:	Total Depth:
32.021715, -103				Chloride, I	PID			N/A	4 feet
Comments: Chlo BDL - Below De						de field sc	reening cor	nducted with 1:4 dilution of soil to	distilled water.
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithology/	Remarks
M 448	1,261 255.0	YES	PH02	1 _ - 1 _ - - -	0 - 1 - 1 - 2 - 2		gravel si light tan	zed clasts, odor	LICHE, fine grained matrix with LICHE, fine grained matrix with
D 648	24.0	NO	PH02	4	4	CCHE	light tan gravel si tal Depth	zed clasts, no odor	LICHE, fine grained matrix with

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening:									Pothole Name: PH03 Site Name: East Pecclincident Number: nAF WSP Job Number: 31 Logged By: Anna Bye Hole Diameter:	PP21263451 1403360.010	92
32.02	1661, -103			-4 to -1 - 1	Chloride, I	PID			N/A		4 feet
BDL -	nents: Chlo Below Det	ection Lir	es do no nit; Moi:	ot include co sture Conten	rection fac t "D" Dry/ '	tor. Chlori M" Moist		reening co	nducted with 1:4 dilutio	on of soil to o	distilled water.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Li	ithology/R	Remarks
D	188 324	0.3	NO NO	PH03	1 _	0 - 1 - 1 - 2 - 2 -	SP-SM	non-plas	/n poorly-graded \$ tic/non-cohesive	SAND with	n silt and gravel, no odor,
D	448	0.1	NO	PH03	4	- - 3 - - - 4		light tan		ely cemen	ted CALICHE, no odor

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: 32.021724, -103.973303 Field Screening: Chloride, PID									Pothole Name: PH04 Site Name: East Pecos Feddincident Number: nAPP2126 WSP Job Number: 3140336 Logged By: Anna Byers Hole Diameter:	0.010 Method: Back-Hoe Total Depth:
Comm	nents: Chlo	ride value	es do no	ot include consture Conten	rection fac	tor. Chlori	de field sc		N/A ducted with 1:4 dilution of sc	4 feet oil to distilled water.
Moisture G		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litholo	gy/Remarks
D	1,368 648	0.3	NO NO	PH04	1 _ - 1 _ - -	0 - 1 - 2 - 2	SP-SM	non-plas	n poorly-graded SAND tic/non-cohesive	with silt and gravel, no odor,
D	648	0.6	NO	PH04	- - - 4	- 3 - - - - 4		light tan t	o white poorly cement	ed CALICHE, no odor

_	WCD HCA		Pothole Name:	Date:
	WSP USA		PH05	9/16/2021
5	08 West Stevens	Street	Site Name: East Pecos Fe	ederal 22 #005H
Car	Isbad, New Mexico	88220	Incident Number: nAPP21	
		_		
DLOGIC / SOIL		G		Method: Back-Hoe Total Depth:
			N/A	4 feet
s do not include co	rrection factor. Chlor	de field sc	reening conducted with 1:4 dilution of	soil to distilled water.
lit; Moisture Conter	Dry/ "M" Moist			
Staining Sample #		USCS/Rock Symbol	Litho	logy/Remarks
NO PH05	1 1	SP-SM	tan-brown poorly-graded SAN non-plastic/non-cohesive	ID with silt and gravel, no odor,
NO	T 2	CCHE	light tan to white well cements	ad CALICHE no odor
110	† *	COLL	light tan to write well cemente	GALIGITE, 110 Oddi
NO PH05	3 4 4			emented CALICHE, no odor
	DLOGIC / SOIL ss do not include contribution in the second include contribution in the second in th	Carlsbad, New Mexico Choride, PID Sied Screening: Chloride, PID Sies do not include correction factor. Chlorinit; Moisture Content "D" Dry/ "M" Moist Sample Depth (ft bgs) NO PH05 1 1 NO PH05 1 3	Sample Depth (ft bgs) NO PH05 1 1 SP-SM NO PH05 4 4 CCHE	Site Name: East Pecos For Incident Number: nAPP21 WSP Job Number: 31403

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG									Pothole Name: PH06 Site Name: East Pecos Fed Incident Number: nAPP2126 WSP Job Number: 3140336 Logged By: Anna Byers	9/ ² eral 22 # 6345192 60.010	
Lat/Lo	ong:	070000			Field Scre				Hole Diameter:		otal Depth:
	1794, -103 nents: Chlo		es do no	ot include co	Chloride,		de field so	reenina cor	N/A ducted with 1:4 dilution of so		feet illed water.
				sture Conten							
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Litholo	gy/Ren	narks
D	396	1.2	NO	PH06	1 1 -	0 1			n poorly-graded SAND tic/non-cohesive) with s	ilt and gravel, no odor,
D	436	0.3	NO		- - - -	2 - 2 - 3 - 3			to white well cemented		
D	356	0.5	NO	PH06	4	4		light brov	vn poorly-graded SANI	D (m.),	non-plastic/non-cohesive,
							То	tal Depth			

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG									Pothole Name: PH07 Site Name: East Pecos Incident Number: nAPP2 WSP Job Number: 3140 Logged By: Anna Byers	21263451	Method: Back-Hoe
Lat/Lo	ong: 1719, -103	972721			Field Scre				Hole Diameter: N/A		Total Depth: 4 feet
Comm	nents: Chlo	ride value				tor. Chlori			nducted with 1:4 dilution of	of soil to	
BDL -	Below Det	tection Lir	nit (< 12	22 ppm); Moi	sture Cont	ent "D" Dr		st			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Lith	ology/F	Remarks
D	BDL	0.0	NO	PH07	1 - - 1 -	0 1		non-plas	tic/non-cohesive		h silt and gravel, no odor,
D	412	0.8	NO NO	PH07	- - - - - - -	3			to white well cemen		LICHE, no odor
								tal Depth			

									Pothole Name:	Date:
					WS	P USA			PH08	9/30/2021
	11			5	08 West 9	Stevens S	Street		Site Name: East Pecos Federa	
				Car	08 West S Isbad, Ne	w Mexico	88220		Incident Number: nAPP212634	
								WSP Job Number: 31403360.010		
		LITH	OLOG	IC / SOIL	SAMPL	ING LO	G		Logged By: Anna Byers	Method: Back-Hoe
Lat/Lo					Field Scre	ening:			Hole Diameter:	Total Depth:
	1643, -103				Chloride,				N/A	4 feet
				ot include co 22 ppm); Mo					nducted with 1:4 dilution of soil	to distilled water.
ure	ide (c	ر ان در	ng	# <u>e</u>	Sample	Depth	30 /00			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth	(ft bgs)	SS/I		Lithology	//Remarks
ğŏ	5 =	> =	St	Sa	(ft bgs)	(it aga)	USCS/Rock Symbol			
						0				
					1					
					-					
۲	400	0.0	NO	рцоо		1	SD CM	ton here	in noorly graded CAND	with cilt and ground no oder
D	188	0.0	NO	PH08	1 _	1	3P-3M	non-plac	n poorly-graded SAND v tic/non-cohesive	vith silt and gravel, no odor,
					-	 		mon plac	NO/HOLL COLLEGIVE	
					-					
D	BDL	0.0	NO		-	2	SP-SM			
					-	-				
					-	-				
					_	3				
					_	<u> </u>				
					-	F				
D	112	0.0	NO	PH08	4	4	CCHE	light tan	to white moderately cem	ented CALICHE, no odor
								tal Depth		
`										
								`		

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: 32.021725, -103.973335 Comments: Chloride values do not include correction factor. Chloride field screening co BDL - Below Detection Limit (< 122 ppm); Moisture Content "D" Dry/ "M" Moist									othole Name: H09 ite Name: East Pecos Federa cident Number: nAPP212634 /SP Job Number: 31403360.0 ogged By: Anna Byers ole Diameter: /A ucted with 1:4 dilution of soil t	Method: Back-Hoe Total Depth: 4 feet
BDL -	Below Det	ection Lir	nit (< 12	22 ppm); Moi	sture Cont	ent "D" Dr	y/ "M" Moi:	st		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Lithology	/Remarks
D	BDL BDL	0.0	NO	PH09	1 _ - 1 _ - - - - -	1 2 3		non-plasti	poorly-graded SAND w c/non-cohesive	rith silt and gravel, no odor,
					-					
D	BDL	0.0	NO	PH09	4	4	CCHE	light tan to	white moderately ceme	ented CALICHE, no odor
								tal Depth		



PHOTOGRAPHIC LOG									
WPX Energy Permian,	East Pecos Federal 22 #005H	31403360.010							
LLC.	New Mexico								

Photo No.	Date					
1	Dec 15th through Dec 30th, 2021					
1	Dec 30th, 2021					
Western view of	the release extent					
post tank removal.						



Photo No.	Date
2	Dec 15th through Dec 30th, 2021

Vertical Delineation Activities within the tank containment.





PHOTOGRAPHIC LOG									
WPX Energy Permian,	East Pecos Federal 22 #005H	31403360.010							
LLC.	New Mexico								

Photo No.	Date	
3	Dec 15th through	
	Dec 30th, 2021	
Lateral delineation activities outside		
of the release extent.		



Photo No.	Date	
4	Dec 15th through	
	Dec 30th, 2021	
Northeastern view of the excavation		
extent.		





PHOTOGRAPHIC LOG		
WPX Energy Permian,	East Pecos Federal 22 #005H	31403360.010
LLC.	New Mexico	

Photo No.	Date
5	Dec 15th through
	Dec 30th, 2021
Northwestern view of the excavation	
extent.	



Photo No.	Date
6	Dec 15th through Dec 30th, 2021
XX	Dec 30th, 2021

Western view of excavation extent.





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1280-1

Laboratory Sample Delivery Group: Eddy County NM

Client Project/Site: East Pecos Fed 22-5H

For:

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

Attn: Joseph Hernandez

J. KRAMER

Authorized for release by: 9/28/2021 4:18:47 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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

intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic signature is

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Project/Site: East Pecos Fed 22-5H

Client: WSP USA Inc.

Laboratory Job ID: 890-1280-1 SDG: Eddy County NM

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Qualifiers

GC VOA Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

S1+

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

MDL Method Detection Limit MI 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

Practical Quantitation Limit **PQL**

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

Job ID: 890-1280-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1280-1

Receipt

The samples were received on 9/20/2021 9:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8132 and analytical batch 880-8212 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8173 and 880-8241 and analytical batch 880-8207 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 samples were outside control limits: PH01 (890-1280-1) and PH02 (890-1280-3). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH03 (890-1280-5), PH04 (890-1280-7), PH05 (890-1280-10), PH06 (890-1280-11), PH07 (890-1280-14) and (880-6276-A-11-D). Evidence of matrix interferences is not obvious.

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

GC Semi 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 880-8121 and analytical batch 880-8260 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 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8122 and analytical batch 880-8270 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8230 and analytical batch 880-8271 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision 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. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH01

Date Collected: 09/15/21 10:20 Date Received: 09/20/21 09:14

Sample Depth: 1

Lab Sample ID: 890-1280-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	0.0235		0.00202		mg/Kg		09/21/21 09:06	09/21/21 23:06	1	
Toluene	0.636		0.199		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
Ethylbenzene	0.722		0.199		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
m-Xylene & p-Xylene	3.87		0.398		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
o-Xylene	1.17		0.199		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
Xylenes, Total	5.04		0.398		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
Total BTEX	6.40		0.398		mg/Kg		09/22/21 09:44	09/23/21 13:31	100	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	27	S1-	70 - 130				09/21/21 09:06	09/21/21 23:06	1	

1,4-Difluorobenzene (Surr) 117 70 - 130 09/21/21 09:06 09/21/21 23:06

Method: 8015B NM - Diesel Ra	nge Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	187		49.8		mg/Kg		09/22/21 08:56	09/22/21 23:20	1
Diesel Range Organics (Over C10-C28)	1030		49.8		mg/Kg		09/22/21 08:56	09/22/21 23:20	1
Oll Range Organics (Over C28-C36)	111		49.8		mg/Kg		09/22/21 08:56	09/22/21 23:20	1
Total TPH	1330		49.8		mg/Kg		09/22/21 08:56	09/22/21 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/22/21 08:56	09/22/21 23:20	1

_									
Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6160	F1	50.0		mg/Kg			09/23/21 05:35	10

70 - 130

121

Client Sample ID: PH01 Lab Sample ID: 890-1280-2

Date Collected: 09/15/21 11:20 Date Received: 09/20/21 09:14

Sample Depth: 4

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/21/21 09:06	09/21/21 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/21/21 09:06	09/21/21 23:26	1
1,4-Difluorobenzene (Surr)	77		70 - 130				09/21/21 09:06	09/21/21 23:26	1

Eurofins Xenco, Carlsbad

Matrix: Solid

09/22/21 23:20

09/22/21 08:56

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH01

Date Collected: 09/15/21 11:20 Date Received: 09/20/21 09:14

Sample Depth: 4

Lab Sample ID: 890-1280-2

09/23/21 05:51

Matrix: Solid

				MDL	Unit	D	Prepared	Analyzed	Dil Fac
Basoline Range Organics	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 23:41	1
GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 23:41	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 23:41	1
otal TPH	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Chlorooctane	112		70 - 130				09/22/21 08:56	09/22/21 23:41	1
-Terphenyl	125		70 - 130				09/22/21 08:56	09/22/21 23:41	1

Client Sample ID: PH02 Lab Sample ID: 890-1280-3 **Matrix: Solid**

4.97

mg/Kg

Date Collected: 09/16/21 08:30 Date Received: 09/20/21 09:14

Sample Depth: 1

Chloride

814

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
Toluene	0.0310		0.00200		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
Ethylbenzene	0.00367		0.00200		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
m-Xylene & p-Xylene	0.268		0.00400		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
o-Xylene	0.0908		0.00200		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
Xylenes, Total	0.359		0.00400		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
Total BTEX	0.393		0.00400		mg/Kg		09/21/21 09:06	09/21/21 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				09/21/21 09:06	09/21/21 23:47	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/21/21 09:06	09/21/21 23:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:02	1
Diesel Range Organics (Over C10-C28)	121		49.9		mg/Kg		09/22/21 08:56	09/23/21 00:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:02	1
Total TPH	121		49.9		mg/Kg		09/22/21 08:56	09/23/21 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/22/21 08:56	09/23/21 00:02	1
o-Terphenyl	130		70 - 130				09/22/21 08:56	09/23/21 00:02	1

Method: 300.0 - Anions, Ion Chrom	atograpny - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404	4.98	mg/Kg			09/23/21 04:50	1

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1 SDG: Eddy County NM

SDG: Eddy County NM

Client Sample ID: PH02

Date Collected: 09/16/21 08:40 Date Received: 09/20/21 09:14

Sample Depth: 4

Lab Sample ID: 890-1280-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
Xylenes, Total	< 0.00397	U	0.00397		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		09/21/21 09:06	09/22/21 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/21/21 09:06	09/22/21 00:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/21/21 09:06	09/22/21 00:08	1

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Result	Qualifier	RL .	MDL	Unit	บ	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:23	1
<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:23	1
<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:23	1
<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 00:23	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
113		70 - 130				09/22/21 08:56	09/23/21 00:23	1
128		70 - 130				00/22/24 00:56	09/23/21 00:23	1
	<49.9 <49.9 <49.9 <49.9 <49.9 $%Recovery 113$		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9 U 49.9 mg/Kg 09/22/21 08:56 09/23/21 00:23 <49.9

Method: 300.0 - Anions, Ion Chrom	atography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490	5.00	mg/Kg			09/23/21 05:06	1

Client Sample ID: PH03

Date Collected: 09/16/21 10:05 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:18	
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				09/21/21 09:30	09/22/21 07:18	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/21/21 09:30	09/22/21 07:18	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1280-5

Matrix: Solid

3

6

8

10

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Lab Sample ID: 890-1280-5

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH03

Date Collected: 09/16/21 10:05 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 00:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 00:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 00:44	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/22/21 08:56	09/23/21 00:44	1
o-Terphenyl	130		70 - 130				09/22/21 08:56	09/23/21 00:44	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: PH03 Lab Sample ID: 890-1280-6 Matrix: Solid

Date Collected: 09/16/21 10:10 Date Received: 09/20/21 09:14

Sample Depth: 4

Mothod: 8021R - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/21/21 09:30	09/22/21 07:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/21/21 09:30	09/22/21 07:38	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/21/21 09:30	09/22/21 07:38	1
Method: 8015B NM - Diesel Rang	ge Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 01:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 01:06	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 01:06	1
									1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 01:06	
	<50.0		50.0 Limits		mg/Kg		09/22/21 08:56 Prepared	09/23/21 01:06 Analyzed	Dil Fac
Total TPH Surrogate 1-Chlorooctane					mg/Kg				Dil Fac
Surrogate	%Recovery		Limits		mg/Kg		Prepared	Analyzed	
Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 110 125	Qualifier	Limits 70 - 130		mg/Kg		Prepared 09/22/21 08:56	Analyzed 09/23/21 01:06	Dil Fac
Surrogate 1-Chlorooctane	%Recovery 110 125 pmatography -	Qualifier	Limits 70 - 130	MDL		D	Prepared 09/22/21 08:56	Analyzed 09/23/21 01:06	Dil Fac

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1 SDG: Eddy County NM

Matrix: Solid

Lab Sample ID: 890-1280-7

Client Sample ID: PH04

Date Collected: 09/16/21 10:40 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/21/21 09:30	09/22/21 07:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				09/21/21 09:30	09/22/21 07:59	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/21/21 09:30	09/22/21 07:59	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 01:48	1		
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 01:48	1		
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 01:48	1		
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 01:48	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	113		70 - 130				09/22/21 08:56	09/23/21 01:48	1		
o-Terphenyl	128		70 - 130				09/22/21 08:56	09/23/21 01:48	1		

ì	 Method: 300.0 - Anions, Ion Chromato	graphy -	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	563		5.04		mg/Kg			09/23/21 06:31	1

Client Sample ID: PH04

Date Collected: 09/16/21 10:50

Date Received: 09/20/21 09:14

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 08:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/21/21 09:30	09/22/21 08:19	1
1,4-Difluorobenzene (Surr)	76		70 ₋ 130				09/21/21 09:30	09/22/21 08:19	1

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Lab Sample ID: 890-1280-8

Matrix: Solid

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH04

Date Collected: 09/16/21 10:50 Date Received: 09/20/21 09:14

Sample Depth: 4

Lab	Sample	ID:	890	-12	280-	8

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 02:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 02:09	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 02:09	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 08:56	09/23/21 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				09/22/21 08:56	09/23/21 02:09	1
o-Terphenyl	129		70 - 130				09/22/21 08:56	09/23/21 02:09	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	735		4.97		mg/Kg			09/23/21 06:36	

Client Sample ID: PH05 Lab Sample ID: 890-1280-9 **Matrix: Solid**

Date Collected: 09/16/21 11:10 Date Received: 09/20/21 09:14

Sample Depth: 1

Method: 8021B - Volatile Org	ganic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/21/21 09:30	09/22/21 09:41	1
Surrogate	%Recovery	Qualifier	l imite				Prenared	Analyzed	Dil Fac

Carrogate	7011CCCVC1 y	Quanner	Lillies	rreparea	Analyzea	Dii i de
4-Bromofluorobenzene (Surr)	123		70 - 130	09/21/21 09:3	0 09/22/21 09:41	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/21/21 09:3	0 09/22/21 09:41	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<49.9	U	49.9	n	ng/Kg	<u> </u>	09/22/21 08:56	09/23/21 02:30	1		

<49.9 U 49.9 09/22/21 08:56 09/23/21 02:30 Diesel Range Organics (Over mg/Kg 09/22/21 08:56 OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/23/21 02:30 mg/Kg Total TPH <49.9 U 09/22/21 08:56 09/23/21 02:30 49.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/22/21 08:56	09/23/21 02:30	1
o-Terphenvl	127		70 - 130	09/22/21 08:56	09/23/21 02:30	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.95		mg/Kg			09/23/21 06:42	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1 SDG: Eddy County NM

Client Sample ID: PH05

Date Collected: 09/16/21 11:20 Date Received: 09/20/21 09:14

Sample Depth: 4

Lab Sample ID: 890-1280-10

. Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/21/21 09:30	09/22/21 10:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				09/21/21 09:30	09/22/21 10:02	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/21/21 09:30	09/22/21 10:02	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared <49.8 U 09/22/21 08:56 09/23/21 02:51 Gasoline Range Organics 49.8 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg 09/22/21 08:56 09/23/21 02:51 C10-C28) OII Range Organics (Over C28-C36) 49.8 09/22/21 08:56 09/23/21 02:51 <49.8 U mg/Kg Total TPH <49.8 U 49.8 mg/Kg 09/22/21 08:56 09/23/21 02:51 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 107 70 - 130 09/22/21 08:56 09/23/21 02:51 o-Terphenyl 118 70 - 130 09/22/21 08:56 09/23/21 02:51

Method: 300.0 - Anions, Ion Chromat	ography - Solubl	e					
Analyte	Result Qualifie	er RL	MDL Ur	nit D	Prepared	Analyzed	Dil Fac
Chloride	98.1	5.01	m	g/Kg		09/23/21 06:47	1

Client Sample ID: PH06

Date Collected: 09/16/21 11:42 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				09/21/21 09:30	09/22/21 10:22	1
1,4-Difluorobenzene (Surr)	85		70 - 130				09/21/21 09:30	09/22/21 10:22	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1280-11

Matrix: Solid

3

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Acrico, Carisbac

Lab Sample ID: 890-1280-11

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH06

Date Collected: 09/16/21 11:42 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 03:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 03:12	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 03:12	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				09/22/21 08:56	09/23/21 03:12	1
o-Terphenyl	141	S1+	70 - 130				09/22/21 08:56	09/23/21 03:12	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	551		4.98		mg/Kg			09/22/21 22:08	

Lab Sample ID: 890-1280-12 **Client Sample ID: PH06**

Date Collected: 09/16/21 11:52

Date Received: 09/20/21 09:14

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 10:42	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:42	•
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 10:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	129		70 - 130				09/21/21 09:30	09/22/21 10:42	
1,4-Difluorobenzene (Surr)	79		70 - 130				09/21/21 09:30	09/22/21 10:42	
Method: 8015B NM - Diesel Rang	• •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	ge Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier		MDL		<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	• •	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/22/21 08:56	Analyzed 09/23/21 03:33	Dil Fa
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier U		MDL		<u>D</u>			
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	09/22/21 08:56	09/23/21 03:33	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	09/22/21 08:56	09/23/21 03:33	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	MDL	mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56	09/23/21 03:33 09/23/21 03:33	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56 09/22/21 08:56	09/23/21 03:33 09/23/21 03:33 09/23/21 03:33	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 09/22/21 08:56	09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 09/23/21 03:33	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 Prepared	09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 Prepared 09/22/21 08:56	09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 Analyzed 09/23/21 03:33	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 09/22/21 08:56 Prepared 09/22/21 08:56	09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 09/23/21 03:33 Analyzed 09/23/21 03:33	Dil Fac

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Matrix: Solid

Lab Sample ID: 890-1280-13

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Client Sample ID: PH07

Date Collected: 09/16/21 12:15 Date Received: 09/20/21 09:14

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
Xylenes, Total	< 0.00397	U	0.00397		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		09/21/21 09:30	09/22/21 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/21/21 09:30	09/22/21 11:03	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/21/21 09:30	09/22/21 11:03	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 03:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 03:54	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 03:54	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 08:56	09/23/21 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/22/21 08:56	09/23/21 03:54	1
o-Terphenyl	126		70 - 130				09/22/21 08:56	09/23/21 03:54	1

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		4.95		mg/Kg			09/22/21 22:19	1

Client Sample ID: PH07 Date Collected: 09/16/21 12:27

Date Received: 09/20/21 09:14

Released to Imaging: 3/14/2022 4:18:40 PM

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 11:23	
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 11:23	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 11:23	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				09/21/21 09:30	09/22/21 11:23	
1,4-Difluorobenzene (Surr)	83		70 - 130				09/21/21 09:30	09/22/21 11:23	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1280-14

Matrix: Solid

Lab Sample ID: 890-1280-14

09/23/21 04:15

09/22/21 08:56

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Client Sample ID: PH07

Date Collected: 09/16/21 12:27 Date Received: 09/20/21 09:14

Sample Depth: 4

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 04:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 04:15	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 04:15	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/23/21 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/22/21 08:56	09/23/21 04:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Chloride	368		5.04	r	ng/Kg			09/22/21 22:25	1

70 - 130

126

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Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
Lab Oamada ID	Olient Orangi, 17	BFB1 (70.130)	DFBZ1	
Lab Sample ID	Client Sample ID	<u>(70-130)</u>	(70-130)	
880-6271-A-1-F MS	Matrix Spike	90	81	
880-6271-A-1-G MSD	Matrix Spike Duplicate	124	100	
880-6276-A-11-B MS	Matrix Spike	119	79	
880-6276-A-11-C MSD	Matrix Spike Duplicate	117	76	
880-6345-A-8-C MS	Matrix Spike	125	82	
880-6345-A-8-D MSD	Matrix Spike Duplicate	130	83	
390-1280-1	PH01	27 S1-	117	
390-1280-2	PH01	96	77	
890-1280-3	PH02	135 S1+	84	
390-1280-4	PH02	107	94	
390-1280-5	PH03	137 S1+	81	
890-1280-6	PH03	126	75	
390-1280-7	PH04	138 S1+	79	
890-1280-8	PH04	128	76	
890-1280-9	PH05	123	78	
890-1280-10	PH05	137 S1+	80	
890-1280-11	PH06	134 S1+	85	
390-1280-12	PH06	129	79	
890-1280-13	PH07	107	83	
890-1280-14	PH07	135 S1+	83	
LCS 880-8132/1-B	Lab Control Sample	112	73	
LCS 880-8173/1-A	Lab Control Sample	88	83	
LCS 880-8198/1-A	Lab Control Sample	114	86	
LCSD 880-8132/2-B	Lab Control Sample Dup	111	81	
LCSD 880-8173/2-A	Lab Control Sample Dup	99	92	
LCSD 880-8198/2-A	Lab Control Sample Dup	122	72	
MB 880-8102/5-B	Method Blank	109	75	
MB 880-8132/5-B	Method Blank	119	78	
MB 880-8142/5-A	Method Blank	107	76	
MB 880-8173/5-A	Method Blank	120	127	
MB 880-8198/5-A	Method Blank	119	82	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Reco
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-6278-A-141-G MS	Matrix Spike	100	100	
880-6278-A-141-H MSD	Matrix Spike Duplicate	102	96	
890-1280-1	PH01	118	121	
890-1280-2	PH01	112	125	
890-1280-3	PH02	115	130	
890-1280-4	PH02	113	128	
890-1280-5	PH03	114	130	
890-1280-6	PH03	110	125	

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1280-7	PH04	113	128	
890-1280-8	PH04	113	129	
890-1280-9	PH05	113	127	
890-1280-10	PH05	107	118	
890-1280-11	PH06	127	141 S1+	
890-1280-12	PH06	109	118	
890-1280-13	PH07	110	126	
890-1280-14	PH07	112	126	
LCS 880-8242/2-A	Lab Control Sample	126	123	
LCSD 880-8242/3-A	Lab Control Sample Dup	110	108	
MB 880-8242/1-A	Method Blank	108	123	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8102/5-B

Matrix: Solid

Analysis Batch: 8212

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8102

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:40	09/21/21 18:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:40	09/21/21 18:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/21/21 09:40	09/21/21 18:03	1
1,4-Difluorobenzene (Surr)	75		70 - 130	09/21/21 09:40	09/21/21 18:03	1

Lab Sample ID: MB 880-8132/5-B

Matrix: Solid

Analysis Batch: 8212

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8132

MD MD

	IND	IVID							
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 04:54	
Toluene	<0.00200 U	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 04:54	
Ethylbenzene	<0.00200 U	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 04:54	
m-Xylene & p-Xylene	<0.00400 U	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 04:54	
o-Xylene	<0.00200 U	U	0.00200		mg/Kg		09/21/21 09:30	09/22/21 04:54	
Xylenes, Total	<0.00400 U	U	0.00400		mg/Kg		09/21/21 09:30	09/22/21 04:54	
Total BTEX	<0.00400 1		0.00400		ma/Ka		09/21/21 09:30	09/22/21 04:54	

мв мв

Surrogate	%Recovery G	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	70 - 130	09/21/21 09:30	09/22/21 04:54	1
1.4-Difluorobenzene (Surr)	78	70 - 130	09/21/21 09:30	09/22/21 04:54	1

Lab Sample ID: LCS 880-8132/1-B

Matrix: Solid

Analysis Batch: 8212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 8132

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08695		mg/Kg		87	70 - 130	
Toluene	0.100	0.08872		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.08942		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1865		mg/Kg		93	70 - 130	
o-Xylene	0.100	0.09687		mg/Kg		97	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 _ 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-8132/2-B

Matrix: Solid Analysis Batch: 8212 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8132

	Spike	LCSD	LCSD			%Rec.		RPD
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08927	mg/k		89	70 - 130	3	35
Toluene	0.100	0.09043	mg/k	ίg	90	70 - 130	2	35
Ethylbenzene	0.100	0.09260	mg/k	ίg	93	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1933	mg/Ł	(g	97	70 - 130	4	35
o-Xylene	0.100	0.1002	mg/ł	(g	100	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-6276-A-11-B MS

Matrix: Solid

Analysis Batch: 8212

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8132

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0990	0.06772	F1	mg/Kg		68	70 - 130	
Toluene	<0.00200	U F1	0.0990	0.06664	F1	mg/Kg		67	70 - 130	
Ethylbenzene	<0.00200	U F1	0.0990	0.06261	F1	mg/Kg		63	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1	0.198	0.1325	F1	mg/Kg		67	70 - 130	
o-Xylene	<0.00200	U F1	0.0990	0.06732	F1	mg/Kg		68	70 - 130	

MS MS

Surrogate	%Recovery Qua	alifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1.4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-6276-A-11-C MSD

Matrix: Solid **Analysis Batch: 8212** Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8132

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0996	0.06978		mg/Kg		70	70 - 130	3	35
Toluene	<0.00200	U F1	0.0996	0.06999		mg/Kg		70	70 - 130	5	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06560	F1	mg/Kg		66	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1391		mg/Kg		70	70 - 130	5	35
o-Xylene	<0.00200	U F1	0.0996	0.07017		mg/Kg		70	70 - 130	4	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	76	70 - 130

Lab Sample ID: MB 880-8142/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8142

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1

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Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

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

Lab Sample ID: MB 880-8142/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8142

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/22/21 09:45	09/22/21 16:03	1
1,4-Difluorobenzene (Surr)	76		70 - 130	09/22/21 09:45	09/22/21 16:03	1

Lab Sample ID: MB 880-8173/5-A

Matrix: Solid

Analysis Batch: 8207

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

Prep Batch: 8173

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/21 09:06	09/21/21 16:11	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/21/21 09:06	09/21/21 16:11	1

MB MB

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120	70 - 130	09/21/21 09:06	09/21/21 16:11	1
1,4-Difluorobenzene (Surr)	127	70 - 130	09/21/21 09:06	09/21/21 16:11	1

Lab Sample ID: LCS 880-8173/1-A

Matrix: Solid

Analysis Batch: 8207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8173

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09661		mg/Kg		97	70 - 130	
Toluene	0.100	0.08381		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.08625		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	0.200	0.1571		mg/Kg		79	70 - 130	
o-Xylene	0.100	0.07448		mg/Kg		74	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1.4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-8173/2-A

Matrix: Solid

Analysis Batch: 8207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8173

	Бріке	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09055		mg/Kg		91	70 - 130	6	35
Toluene	0.100	0.09868		mg/Kg		99	70 - 130	16	35

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Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-8173/2-A

Matrix: Solid

Analysis Batch: 8207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 8173

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Ethylbenzene 0.100 0.1023 102 70 - 130 17 35 mg/Kg m-Xylene & p-Xylene 0.200 0.1812 mg/Kg 91 70 - 130 14 35 0.100 o-Xylene 0.08524 85 70 - 130 mg/Kg 13

LCSD LCSD

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

Lab Sample ID: 880-6271-A-1-F MS

Matrix: Solid

Analysis Batch: 8207

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

Prep Batch: 8173

Sample Sample Spike MS MS %Rec. Result Qualifier Result Qualifier %Rec Analyte babbA Unit Limits 0.0996 Benzene <0.00200 U F2 F1 <0.00199 UF1 mg/Kg 1 70 - 130 Toluene <0.00200 UF1 0.0996 0.05483 F1 mg/Kg 55 70 - 130 Ethylbenzene <0.00200 UF1 0.0996 0.05464 F1 54 70 - 130 mg/Kg 0.199 0.09997 F1 70 - 130 m-Xylene & p-Xylene < 0.00401 UF1 mq/Kq 50 0.0996 <0.00200 U F1 0.04740 F1 48 70 - 130 o-Xylene mg/Kg

MS MS

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	90	70 - 130
1,4-Difluorobenzene (Surr)	81	70 - 130

Lab Sample ID: 880-6271-A-1-G MSD

Matrix: Solid

Analysis Batch: 8207

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8173

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Limit Analyte Added Result Qualifier %Rec Limits RPD Unit D Benzene <0.00200 U F2 F1 0.0994 0.02583 F2 F1 mg/Kg 26 70 - 130 185 35 Toluene <0.00200 UF1 0.0994 0.05591 F1 mg/Kg 56 70 - 130 2 35 Ethylbenzene <0.00200 UF1 0.0994 0.05377 F1 mg/Kg 53 70 - 130 2 35 m-Xylene & p-Xylene <0.00401 UF1 0.199 0.09867 F1 mg/Kg 50 70 - 130 35 0.0994 <0.00200 UF1 0.04935 F1 50 70 - 130 o-Xylene mg/Kg 35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: MB 880-8198/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8198

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1

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Client: WSP USA Inc. Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

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

Lab Sample ID: MB 880-8198/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/22/21 09:44	09/23/21 02:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/22/21 09:44	09/23/21 02:55	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-8198/1-A

Lab Sample ID: LCSD 880-8198/2-A

Matrix: Solid

Analysis Batch: 8262

Prep Type: Total/NA

Prep Batch: 8198

	эріке	LUS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08388		mg/Kg		84	70 - 130	
Toluene	0.100	0.08505		mg/Kg		85	70 - 130	
Ethylbenzene	0.100	0.08810		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1844		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09718		mg/Kg		97	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	86	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 8262 Prep Batch: 8198 LCSD LCSD

	Spike	LCSD	LCSD				70Kec.		KFD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08359		mg/Kg		84	70 - 130	0	35	
Toluene	0.100	0.08817		mg/Kg		88	70 - 130	4	35	
Ethylbenzene	0.100	0.09335		mg/Kg		93	70 - 130	6	35	
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130	7	35	
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	4	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	122	70 - 130
1.4-Difluorobenzene (Surr)	72	70 - 130

Lab Sample ID: 880-6345-A-8-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 8262

Prep Type: Total/NA Prep Batch: 8198

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U F1	0.100	0.05090	F1	mg/Kg		51	70 - 130	
Toluene	<0.00198	U F1	0.100	0.03736	F1	mg/Kg		37	70 - 130	
Ethylbenzene	<0.00198	U F1	0.100	0.04601	F1	mg/Kg		46	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1	0.201	0.09039	F1	mg/Kg		45	70 - 130	
o-Xylene	<0.00198	U F1	0.100	0.05994	F1	mg/Kg		60	70 - 130	

Limits

70 - 130

70 - 130

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

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

MS MS

%Recovery Qualifier

125

Lab Sample ID: 880-6345-A-8-C MS

Matrix: Solid

Surrogate

Analysis Batch: 8262

4-Bromofluorobenzene (Surr)

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8198

1,4-Difluorobenzene (Surr) 82

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8198

Matrix: Solid Analysis Batch: 8262

Lab Sample ID: 880-6345-A-8-D MSD

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Benzene <0.00198 U F1 0.100 0.05894 F1 59 70 - 130 15 35 mg/Kg Toluene <0.00198 U F1 0.100 0.03865 F1 mg/Kg 39 70 - 130 3 35 <0.00198 UF1 0.100 0.05040 F1 mg/Kg 50 70 - 130 35 Ethylbenzene 9 m-Xylene & p-Xylene <0.00396 UF1 0.200 0.09513 F1 mg/Kg 48 70 - 130 5 35 o-Xylene <0.00198 UF1 0.100 0.07027 mg/Kg 70 70 - 130 16 35

MSD MSD

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

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

Lab Sample ID: MB 880-8242/1-A

Matrix: Solid

Analysis Batch: 8238

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8242

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 20:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 20:08	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 20:08	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 08:56	09/22/21 20:08	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	09/22/21 08:5	6 09/22/21 20:08	1
o-Terphenyl	123		70 - 130	09/22/21 08:5	6 09/22/21 20:08	1

Lab Sample ID: LCS 880-8242/2-A

Released to Imaging: 3/14/2022 4:18:40 PM

Matrix: Solid

Analysis Batch: 8238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8242

	эріке	LUS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1013		mg/Kg		101	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1278		mg/Kg		128	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	126	70 - 130
o-Terphenyl	123	70 - 130

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-8242/3-A

Matrix: Solid

Analysis Batch: 8238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8242

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1021		mg/Kg		102	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1141		mg/Kg		114	70 - 130	11	20

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-6278-A-141-G MS Client Sample ID: Matrix Spike

Analysis Batch: 8238

Matrix: Solid Prep Type: Total/NA

Prep Batch: 8242

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	792.0		mg/Kg		77	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1042		mg/Kg		105	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 100 70 - 130 o-Terphenyl 100 70 - 130

Lab Sample ID: 880-6278-A-141-H MSD

Matrix: Solid

Analysis Batch: 8238

Client Samp	ole ID: Matrix	Spike Duplicate
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Prep Type: Total/NA

Prep Batch: 8242

		Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte		Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Or (GRO)-C6-C10	ganics	<49.8	U	999	939.9		mg/Kg		92	70 - 130	17	20
Diesel Range Organ C10-C28)	nics (Over	<49.8	U	999	1016		mg/Kg		102	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	96		70 - 130

MB MB

<5.00 U

Result Qualifier

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8121/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 8260

Client Sample ID: Method Blank

Prep Type: Soluble

Prepared Analyzed Dil Fac 09/22/21 19:36

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RL

5.00

MDL Unit

mg/Kg

D

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8121/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8260

LCS LCS %Rec. Spike Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 260.6 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-8121/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8260

Spike LCSD LCSD %Rec. RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 261.7 mg/Kg 105 90 - 110 0

Lab Sample ID: 890-1271-A-11-D MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8260

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride F1 769.8 F1 495 249 mg/Kg 90 - 110

Lab Sample ID: 890-1271-A-11-E MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8260

Sample Sample MSD MSD RPD Spike %Rec. Result Qualifier Added Qualifier RPD Analyte Result Unit %Rec Limits Limit Chloride 495 249 770.8 F1 90 - 110 20 mg/Kg

Lab Sample ID: MB 880-8122/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8270

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U mg/Kg 09/23/21 03:59

MR MR

Lab Sample ID: LCS 880-8122/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 8270

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 263.9 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-8122/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8270

LCSD LCSD %Rec. RPD Spike Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 265.0 mg/Kg 106 90 - 110 20

Lab Sample ID: 890-1280-1 MS **Client Sample ID: PH01 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8270

MS MS %Rec. Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 6160 F1 2500 9084 F1 mg/Kg 117 90 - 110

Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Client Sample ID: PH01

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1280-1 MSD **Matrix: Solid**

Analysis Batch: 8270

		Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Chloride	6160	F1	2500	9098	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: MB 880-8230/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8271

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/23/21 07:16	1

Lab Sample ID: LCS 880-8230/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8271

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	261.5		mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-8230/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8271

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	262.2		mg/Kg	_	105	90 - 110	0	20

Lab Sample ID: 880-6344-A-21-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8271

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3500	F1	1240	4902	F1	ma/Ka		113	90 - 110	

Lab Sample ID: 880-6344-A-21-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8271

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	3500	F1	1240	4922	F1	ma/Ka		114	90 - 110		20	

Client: WSP USA Inc.

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

GC VOA

Prep Batch: 8102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8102/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 8132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-5	PH03	Total/NA	Solid	5035	
890-1280-6	PH03	Total/NA	Solid	5035	
890-1280-7	PH04	Total/NA	Solid	5035	
890-1280-8	PH04	Total/NA	Solid	5035	
890-1280-9	PH05	Total/NA	Solid	5035	
890-1280-10	PH05	Total/NA	Solid	5035	
890-1280-11	PH06	Total/NA	Solid	5035	
890-1280-12	PH06	Total/NA	Solid	5035	
890-1280-13	PH07	Total/NA	Solid	5035	
890-1280-14	PH07	Total/NA	Solid	5035	
MB 880-8132/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-8132/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8132/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6276-A-11-B MS	Matrix Spike	Total/NA	Solid	5035	
880-6276-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8142/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 8173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Total/NA	Solid	5035	
890-1280-2	PH01	Total/NA	Solid	5035	
890-1280-3	PH02	Total/NA	Solid	5035	
890-1280-4	PH02	Total/NA	Solid	5035	
MB 880-8173/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8173/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8173/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6271-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
880-6271-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1280-1	PH01	Total/NA	Solid	5035	
MB 880-8198/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6345-A-8-C MS	Matrix Spike	Total/NA	Solid	5035	
880-6345-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 8207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Total/NA	Solid	8021B	8173
890-1280-2	PH01	Total/NA	Solid	8021B	8173
890-1280-3	PH02	Total/NA	Solid	8021B	8173
890-1280-4	PH02	Total/NA	Solid	8021B	8173

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Client: WSP USA Inc.

Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 8207 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8173/5-A	Method Blank	Total/NA	Solid	8021B	8173
LCS 880-8173/1-A	Lab Control Sample	Total/NA	Solid	8021B	8173
LCSD 880-8173/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8173
880-6271-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	8173
880-6271-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8173

Analysis Batch: 8212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-5	PH03	Total/NA	Solid	8021B	8132
890-1280-6	PH03	Total/NA	Solid	8021B	8132
890-1280-7	PH04	Total/NA	Solid	8021B	8132
890-1280-8	PH04	Total/NA	Solid	8021B	8132
890-1280-9	PH05	Total/NA	Solid	8021B	8132
890-1280-10	PH05	Total/NA	Solid	8021B	8132
890-1280-11	PH06	Total/NA	Solid	8021B	8132
890-1280-12	PH06	Total/NA	Solid	8021B	8132
890-1280-13	PH07	Total/NA	Solid	8021B	8132
890-1280-14	PH07	Total/NA	Solid	8021B	8132
MB 880-8102/5-B	Method Blank	Total/NA	Solid	8021B	8102
MB 880-8132/5-B	Method Blank	Total/NA	Solid	8021B	8132
LCS 880-8132/1-B	Lab Control Sample	Total/NA	Solid	8021B	8132
LCSD 880-8132/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	8132
880-6276-A-11-B MS	Matrix Spike	Total/NA	Solid	8021B	8132
880-6276-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8132

Analysis Batch: 8262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Total/NA	Solid	8021B	8198
MB 880-8142/5-A	Method Blank	Total/NA	Solid	8021B	8142
MB 880-8198/5-A	Method Blank	Total/NA	Solid	8021B	8198
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	8021B	8198
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8198
880-6345-A-8-C MS	Matrix Spike	Total/NA	Solid	8021B	8198
880-6345-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8198

GC Semi VOA

Analysis Batch: 8238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Total/NA	Solid	8015B NM	8242
890-1280-2	PH01	Total/NA	Solid	8015B NM	8242
890-1280-3	PH02	Total/NA	Solid	8015B NM	8242
890-1280-4	PH02	Total/NA	Solid	8015B NM	8242
890-1280-5	PH03	Total/NA	Solid	8015B NM	8242
890-1280-6	PH03	Total/NA	Solid	8015B NM	8242
890-1280-7	PH04	Total/NA	Solid	8015B NM	8242
890-1280-8	PH04	Total/NA	Solid	8015B NM	8242
890-1280-9	PH05	Total/NA	Solid	8015B NM	8242
890-1280-10	PH05	Total/NA	Solid	8015B NM	8242
890-1280-11	PH06	Total/NA	Solid	8015B NM	8242
890-1280-12	PH06	Total/NA	Solid	8015B NM	8242

Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 8238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-13	PH07	Total/NA	Solid	8015B NM	8242
890-1280-14	PH07	Total/NA	Solid	8015B NM	8242
MB 880-8242/1-A	Method Blank	Total/NA	Solid	8015B NM	8242
LCS 880-8242/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8242
LCSD 880-8242/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8242
880-6278-A-141-G MS	Matrix Spike	Total/NA	Solid	8015B NM	8242
880-6278-A-141-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8242

Prep Batch: 8242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1280-1	PH01	Total/NA	Solid	8015NM Prep	
890-1280-2	PH01	Total/NA	Solid	8015NM Prep	
890-1280-3	PH02	Total/NA	Solid	8015NM Prep	
890-1280-4	PH02	Total/NA	Solid	8015NM Prep	
890-1280-5	PH03	Total/NA	Solid	8015NM Prep	
890-1280-6	PH03	Total/NA	Solid	8015NM Prep	
890-1280-7	PH04	Total/NA	Solid	8015NM Prep	
890-1280-8	PH04	Total/NA	Solid	8015NM Prep	
890-1280-9	PH05	Total/NA	Solid	8015NM Prep	
890-1280-10	PH05	Total/NA	Solid	8015NM Prep	
890-1280-11	PH06	Total/NA	Solid	8015NM Prep	
890-1280-12	PH06	Total/NA	Solid	8015NM Prep	
890-1280-13	PH07	Total/NA	Solid	8015NM Prep	
890-1280-14	PH07	Total/NA	Solid	8015NM Prep	
MB 880-8242/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8242/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8242/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6278-A-141-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6278-A-141-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 8121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-11	PH06	Soluble	Solid	DI Leach	
890-1280-12	PH06	Soluble	Solid	DI Leach	
890-1280-13	PH07	Soluble	Solid	DI Leach	
890-1280-14	PH07	Soluble	Solid	DI Leach	
MB 880-8121/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8121/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8121/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1271-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1271-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 8122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Soluble	Solid	DI Leach	
890-1280-2	PH01	Soluble	Solid	DI Leach	
890-1280-3	PH02	Soluble	Solid	DI Leach	
890-1280-4	PH02	Soluble	Solid	DI Leach	
890-1280-5	PH03	Soluble	Solid	DI Leach	

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Client: WSP USA Inc.

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1 SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 8122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-6	PH03	Soluble	Solid	DI Leach	
890-1280-7	PH04	Soluble	Solid	DI Leach	
890-1280-8	PH04	Soluble	Solid	DI Leach	
890-1280-9	PH05	Soluble	Solid	DI Leach	
890-1280-10	PH05	Soluble	Solid	DI Leach	
MB 880-8122/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8122/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8122/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1280-1 MS	PH01	Soluble	Solid	DI Leach	
890-1280-1 MSD	PH01	Soluble	Solid	DI Leach	

Leach Batch: 8230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8230/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6344-A-21-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6344-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 8260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-11	PH06	Soluble	Solid	300.0	 8121
890-1280-12	PH06	Soluble	Solid	300.0	8121
890-1280-13	PH07	Soluble	Solid	300.0	8121
890-1280-14	PH07	Soluble	Solid	300.0	8121
MB 880-8121/1-A	Method Blank	Soluble	Solid	300.0	8121
LCS 880-8121/2-A	Lab Control Sample	Soluble	Solid	300.0	8121
LCSD 880-8121/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8121
890-1271-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	8121
890-1271-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8121

Analysis Batch: 8270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1280-1	PH01	Soluble	Solid	300.0	8122
890-1280-2	PH01	Soluble	Solid	300.0	8122
890-1280-3	PH02	Soluble	Solid	300.0	8122
890-1280-4	PH02	Soluble	Solid	300.0	8122
890-1280-5	PH03	Soluble	Solid	300.0	8122
890-1280-6	PH03	Soluble	Solid	300.0	8122
890-1280-7	PH04	Soluble	Solid	300.0	8122
890-1280-8	PH04	Soluble	Solid	300.0	8122
890-1280-9	PH05	Soluble	Solid	300.0	8122
890-1280-10	PH05	Soluble	Solid	300.0	8122
MB 880-8122/1-A	Method Blank	Soluble	Solid	300.0	8122
LCS 880-8122/2-A	Lab Control Sample	Soluble	Solid	300.0	8122
LCSD 880-8122/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8122
890-1280-1 MS	PH01	Soluble	Solid	300.0	8122
890-1280-1 MSD	PH01	Soluble	Solid	300.0	8122

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Client: WSP USA Inc. Job ID: 890-1280-1 Project/Site: East Pecos Fed 22-5H SDG: Eddy County NM

HPLC/IC

Analysis Batch: 8271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8230/1-A	Method Blank	Soluble	Solid	300.0	8230
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	300.0	8230
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8230
880-6344-A-21-B MS	Matrix Spike	Soluble	Solid	300.0	8230
880-6344-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8230

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

Client Sample ID: PH01

Date Collected: 09/15/21 10:20 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8173	09/21/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8207	09/21/21 23:06	KL	XEN MID
Total/NA	Prep	5035			5.03 g	5 mL	8198	09/22/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8262	09/23/21 13:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/22/21 23:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		10	0 mL	1.0 mL	8270	09/23/21 05:35	CH	XEN MID

Client Sample ID: PH01 Lab Sample ID: 890-1280-2

Date Collected: 09/15/21 11:20 Date Received: 09/20/21 09:14

21 09:14

Batch Dil Initial Final Batch Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 8173 09/21/21 09:06 XEN MID Prep 5.05 g 5 mL KL Total/NA 8021B Analysis 5 mL $5\,\text{mL}$ 8207 09/21/21 23:26 KL XEN MID Total/NA Prep 8015NM Prep 10.00 g 10 mL 8242 09/22/21 08:56 DM XEN MID Total/NA Analysis 8015B NM 1 8238 09/22/21 23:41 ΑJ XEN MID 8122 09/20/21 12:03 XEN MID Soluble Leach DI Leach 5.03 g 50 mL CH Soluble Analysis 300.0 0 mL 1.0 mL 8270 09/23/21 05:51 CH XEN MID

Client Sample ID: PH02 Lab Sample ID: 890-1280-3

Date Collected: 09/16/21 08:30 Date Received: 09/20/21 09:14

Batch	Batch Batch Dil	Batch		Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8173	09/21/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8207	09/21/21 23:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 00:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 04:50	CH	XEN MID

Client Sample ID: PH02

Date Collected: 09/16/21 08:40

Lab Sample ID: 890-1280-4

Matrix: Solid

Date Received: 09/20/21 09:14

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8173	09/21/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8207	09/22/21 00:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 00:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 05:06	CH	XEN MID

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Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

Client Sample ID: PH03

Date Collected: 09/16/21 10:05 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 07:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 00:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 05:12	CH	XEN MID

Client Sample ID: PH03

Date Collected: 09/16/21 10:10 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-6

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 07:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 05:18	CH	XEN MID

Client Sample ID: PH04

Date Collected: 09/16/21 10:40 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 07:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 06:31	CH	XEN MID

Client Sample ID: PH04

Date Collected: 09/16/21 10:50

Date Received: 09/20/21 09:14

Lab Sample ID: 890-1280-8

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 08:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 02:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 06:36	CH	XEN MID

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1 SDG: Eddy County NM

Client Sample ID: PH05

Date Collected: 09/16/21 11:10 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 09:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 06:42	CH	XEN MID

Client Sample ID: PH05

Date Collected: 09/16/21 11:20 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 10:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 02:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8122	09/20/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8270	09/23/21 06:47	CH	XEN MID

Client Sample ID: PH06

Date Collected: 09/16/21 11:42 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 10:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 03:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8121	09/20/21 12:01	CH	XEN MID
Soluble	Analysis	300.0		1			8260	09/22/21 22:08	CH	XEN MID

Client Sample ID: PH06

Date Collected: 09/16/21 11:52

Date Received: 09/20/21 09:14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 10:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 03:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8121	09/20/21 12:01	CH	XEN MID
Soluble	Analysis	300.0		5			8260	09/22/21 22:13	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Client Sample ID: PH07

Date Collected: 09/16/21 12:15 Date Received: 09/20/21 09:14 Lab Sample ID: 890-1280-13

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8132	09/21/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8212	09/22/21 11:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8242	09/22/21 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8238	09/23/21 03:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8121	09/20/21 12:01	CH	XEN MID
Soluble	Analysis	300.0		1			8260	09/22/21 22:19	CH	XEN MID

Dil

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1

Factor

Run

Initial

Amount

5.00 g

5 mL

10.01 g

4.96 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

Batch

8132

8212

8242

8238

8121

8260

Number

Client Sample ID: PH07

Date Collected: 09/16/21 12:27

Batch

Туре

Prep

Prep

Analysis

Analysis

Leach

Date Received: 09/20/21 09:14

Lab Sample ID: 890-1280-14

Matrix: Solid

Prepared or Analyzed Analyst Lab 09/21/21 09:30 KL XEN MID 09/22/21 11:23 KL XEN MID 09/22/21 08:56 DM XEN MID XEN MID 09/23/21 04:15 ΑJ

СН

CH

09/20/21 12:01

09/22/21 22:25

Soluble Analysis
Laboratory References:

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

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

Batch

Method

5035

8021B

8015NM Prep

8015B NM

DI Leach

300.0

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XEN MID

XEN MID

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-1280-1

Project/Site: East Pecos Fed 22-5H

SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report his	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytee for y
the agency does not of		t the laboratory is not certifi	ed by the governing additionty. This list the	ay include analytes for t
0 ,		Matrix	Analyte	ay include analytes for t
the agency does not of	fer certification.	,	, , ,	ay include analytes for v

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Method Summary

Client: WSP USA Inc.

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: East Pecos Fed 22-5H

Job ID: 890-1280-1

SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1280-1	PH01	Solid	09/15/21 10:20	09/20/21 09:14	1
890-1280-2	PH01	Solid	09/15/21 11:20	09/20/21 09:14	4
890-1280-3	PH02	Solid	09/16/21 08:30	09/20/21 09:14	1
890-1280-4	PH02	Solid	09/16/21 08:40	09/20/21 09:14	4
890-1280-5	PH03	Solid	09/16/21 10:05	09/20/21 09:14	1
890-1280-6	PH03	Solid	09/16/21 10:10	09/20/21 09:14	4
890-1280-7	PH04	Solid	09/16/21 10:40	09/20/21 09:14	1
890-1280-8	PH04	Solid	09/16/21 10:50	09/20/21 09:14	4
890-1280-9	PH05	Solid	09/16/21 11:10	09/20/21 09:14	1
890-1280-10	PH05	Solid	09/16/21 11:20	09/20/21 09:14	4
890-1280-11	PH06	Solid	09/16/21 11:42	09/20/21 09:14	1
890-1280-12	PH06	Solid	09/16/21 11:52	09/20/21 09:14	4
890-1280-13	PH07	Solid	09/16/21 12:15	09/20/21 09:14	1
890-1280-14	PH07	Solid	09/16/21 12:27	09/20/21 09:14	4

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Chain of Custody

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jnature) Date/Time	ure) Received by: (Signature)	Date/Time Relinquished by: (Signature)	2	Received by: (Signature)		ру: (Signature	Relinquished by: (Signature)
otiated.	re due to circumstances beyond the cont is will be enforced unless previously nego	Notice: Signature of this document and relinquishment of samples consulties a valid principae order from their company to Euroffins 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 service. Euroffins Xenco, a minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Euroffins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	me any responsibility for any narge of \$5 for each sample s	mples and shall not assu	sinquishment or samp only for the cost of same \$85.00 will be applied	s document and renco will be liable o	Notice: Signature of thi of service. Eurofins Xe of Eurofins Xenco. Am
Hg: 1631 / 245.1 / /4/0 / /4/1	Ni Se Ag Ti U Hg: 16:	TCLP/SPLP-6010: 8RCRA SD AS Ba Be Cd Cr Co Cu Pb Mn Mo	LP 6010: 8RCRA S	TCLP/SP	to be analyzed	and Metal(s)	Circle Method(s) and Metal(s) to be analyzed
O ₂ Na Sr Tl Sn U V Zn	1 1		M Texas 11 Al Sb	88	200.8 / 6020:	/ 6010 200.8	Total 200.7 /
		X	4' Grado 1	2			PHØ5
		×	-	12 1110			PHOS
		× ×	4' Grab	Jan 1056	5 9/16		PHOH
		× ×	1' frage 1	Shall VC/	5 9/16/		PHYDY
		× ×	4' Grab 1	121 1010	5 9/6/21		S. AHA
		× ×	1 Gasto 1	L.	5 9/w/21		PHP 3
		× ×	-		5 9/10/21		PHPS
		×	1' map 1	12 0830	5 9/10/21		PHPZ
		×××	4' Grab 1	de11 16/51/6	3 9/10		PHOI
		× ×	1' Grate 1	121 167¢	S 9/5/21		PHOI
Sample Comments		TPH BIE) Chin	Depth Grab/ # of Comp Cont	Date Time Sampled Sampled	Matrix San	Sample Identification	Sample Id
NaOH+Ascorbic Acid: SAPC		د (۱	0.6	Corrected Temperature:	Corre		Total Containers:
Zn Acetate+NaOH: Zn		de	08/	Temperature Reading:	No NIA Temp		Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃	hain of Custody	890-1280 C	1 P	Correction Factor:	o MA	ĭć.	Cooler Custody Seals:
NaHSO4 NABIS		38		Thermometer ID:	Yes No Then		Samples Received Intact:
H ₃ PO ₄ : HP			No nete	Yes No Wet Ice:	Temp Blank: Yes	-	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na		B)		Μ	nate: 9/9/2/18		PO #:
	-		<u>`</u>	L	Byers		Sampler's Name:
⊻			5 DAY	M Due Date:	County NM	Eddu	Project Location:
None: NO DI Water: H ₂ O			Rush Code	Doutine			Project Number:
Preservative Codes	QUEST	ANALYSIS REQ	Turn Around		ces Fed 22-SH	East Peces	Project Name:
ADaPT L Other:	Deliverables: EDD	@ wsp.com	anna byers (Email:	702-2329	281 -	Phone:
PST/USF [] FRRP [] Level IV []	Reporting: Level II Level III PST/UST I TRRP	Carisbad, um 88270	City, State ZIP: (49705	Z	midland	City, State ZIP:
	State of Project:	5315 Buena Vista Dr.	Address:		NA Street	O.	Address:
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Program: UST/PST PRP BI	MAX	Company Name:			MSP	Company Name:
Work Order Comments	Work Ord	Jim Raley	Bill to: (if different)		Hernandez	Joseph	Project Manager:
com Page of	www.xenco.com						
-		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hohbe, NM (575) 302-7550, Carlebad, NM (575) 988-3199	EL Paso, TX (9:		Xenco		
No:	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Midland, TX (432	nt Testing	Environment Testing		9
		Houston, TX (281) 240-4200. Dallas, TX (214) 902-0300	Houston, TX (2			STINS	eurofins

Phone:

Project Name:

roject Number:

City, State ZIP:

Company Name: Project Manager:

SAMPLE RECEIF

Samples Received Int

otal Containers:

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Sampler's Name:

Project Location:

Chain of Custody

CHIOIIIS		Environment Testing		Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
		Xenco	EL Paso, T	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbe, NM (775) 302-7550, Carlebad, NM (575) 988-3199	
			10000	INDUS, INTO (VIO) OVER OVER, CARDONA, THE (VIO) COST OF THE	www.xenco.com Page 2 of 2
oject Manager:	Joseph	Hermandez	Bill to: (if different)	Jim Raley	Work Order Comments
	WSG.		Company Name:	1	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	3300	NA STRET	Address:	5315 Burena Vista Dr.	
e ZIP:	Midland	Satur XI'P	City, State ZIP:	Ca-1560 UM 88220	Reporting: Level II
	281-782-	-22	Email: anna. byers	@wsp. co	Deliverables: EDD ADaPT Other:
oject Name:	axt P.	East Price Fed 22-5H	Turn Around	ANALYSIS REQUEST	QUEST Preservative Codes
ň		\exists	utine Rush Code		None: NO DI Water: H ₂ O
	Eddu R	But when Due	Due Date: S DAY	()	Cool: Cool MeOH: Me
			TAT starts the day received by)	HCL: HC HNO3: HN
	revenue don: Us/9	127 (ne)		B	H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT		Temp Blank: Yes No W	Wet Ice: Xes No	521	H₃PO₄; HP
mples Received Intact:		(es) No Thermometer ID:	[a-w/v-]	89	NaHSO ₄ : NABIS
oler Custody Seals:	Yes	No (N/A) Correction Factor:	49	A	Na ₂ S ₂ O ₃ ; NaSO ₃
mple Custody Seals:	Yes	No N/A Temperature Reading:	-	E	Zn Acetate+NaOH: Zn
tal Containers:		Corrected Temperature:	perature: 0.6	k (NaOH+Ascorbic Acid: SAPC
Sample Identification	fication	Matrix Date Sampled Sa	Time Depth Grab/ # of Comp Cont	TPH BTE	Sample Comments
PHOL		3 9/14/24 114	1142 1' Grab 1	×××	
PHOL		9/16/24	1152 4' Stado 1	×	
FAHA		-	1215 1' Chab 1	× × ×	
4 BAHG		16/01/2	1227 4' Gab 1	× ×	
				74	
Total 200.7 / 6010		200.8 / 6020: 8RCRA	13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe P	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn
cle Method(s) and Metal(s) to be analyzed	1 Metal(s) t		CLP / SPLP 6010: 8RCRA	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	o Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471
ce: Signature of this do ervice. Eurofins Xenco	cument and re	linquishment of samples constitute in the cost of samples and shared in the cost of samples and samples	es a valid purchase order from clien all not assume any responsibility for	ce: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions ervice. Eurofins 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 contro	
urorins xenco. A minur	um charge of	Sec. 00 will be applied to each proje	ect and a charge of \$5 for each sain	- Colonia Ver	
Relinquished by: (Signature)	(Signature)	. /	Received by: (Signature)	Date/Time Relinquished by: (Signature)	ature) Received by: (Signature) Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Carlsbad NM 88220

1089 N Canal St.

Eurofins Xenco, Carlsbad

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Chain of Custody Record

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Environment Testing

State Zip TX, 79701 PH03 (890-1280-6) PH03 (890-1280-5) PH01 (890-1280-2) PH01 (890-1280-1) Sample Identification - Client ID (Lab ID) Phone. 575-988-3199 Fax 575-988-3199 ⁻Н04 (890-1280-7) H02 (890-1280-4) Client Information Deliverable Requested I II III, IV Other (specify) ossible Hazard Identification ²H05 (890-1280-9) 2H04 (890-1280-8) °H02 (890-1280-3) Midland mpty Kit Relinquished by ast Pecos Fed 22-SH .32-704-5440(Tel) elinquished by tention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC ote Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently annitian accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco. 211 W Florida Ave elinquished by oject Name nconfirmed linquished by: nipping/Receiving ırofins Xenco (A) (Sub Contract Lab) Custody Seal No 2.26.6 Phone: 9/24/2021 Due Date Requested Primary Deliverable Rank 2 TAT Requested (days) Date/Time Sample Date 38000203 oject #: 9/15/21 9/16/21 9/16/21 9/16/21 9/16/21 9/16/21 9/15/21 9/16/21 9/16/21 Mountain 11 10 Mountain 10 40 Mountain 08 30 Mountain 11 20 Mountain 10 50 Mountain 10 10 Mountain 10 05 Mountain 08 40 10 20 G=grab) (C=comp Sample Type Preservation Code: Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid Lab PM Kramer Jessica E-Mail jessica kramer@eurofinset com Field Filtered Sample (Yes or No) Accreditations Required (See note)
NELAP - Texas Time Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Special Instructions/QC Requirements 300_ORGFM_28D/DI_LEACH Chloride × \times × × × Received by: × × × × Cooler Temperature(s) °C and Other Remarks eceived × × × × × 8015MOD_NM/8015NM_S_Prep Full TPH × \times × × 8021B/6035FP Calc BTEX × × × × × × × × × Analysis Requested State of Origin.

New Mexico Carrier Tracking No(s) Method of Shipment Date/Time: Total Number of containers Ģi والأكلام * 4 (A) 100 * COC No: 890-419 1 Preservation Codes 890-1280-1 Page 1 of 2 HCL
NaOH
NaCH
Nitro Acid
Nation
Natio Special Instructions/Note N None
O AsNaO2
P Na2O4S
Q Na2SO3
R Na2S2O3
S-H2SO4 TOZ₹ Company Ver: 06/08/2021 Acetone MCAA pH 4-5 TSP Dodecahydrate Months other (specify) \mathcal{O} FC

Eurofins Xenco, Carlsbad

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Chain of Custody Record

1089 N Canal St	<u> </u>	Shain o	Chain of Custody Record	todv R	90 0	<u> </u>													, e	ائ گ	💸 eurofins	su	MUE INV	ironr	rent	Environment Testing	δά
Carisbad NM 88220 Phone 575-988-3199 Fax 575-988-3199																							Am	America			
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	٦,	Jessica	ש					Ω	Carrier Tracking No(s)	racki	īg No	(s)			<u> </u>	COC No:	COC No: 890-419 2						
	Phone:			E-Mail jessio	a kra	mer(@eur	ofine	et.com			ZΩ	State of Origin New Mexico	Origin	0 -				- 7	Page: Page	Page: Page 2 of 2						
Company Eurofins Xenco					Accreditations Requ NELAP - Texas	P -	s Rec	uired	Accreditations Required (See note): NELAP - Texas	<u>.</u>									<u> </u>	Job #:	Job #: 890-1280-1		1				
Address 1211 W Florida Ave	Due Date Requested 9/24/2021	ă							An	Analys	sis R	훁ㅣ	Requested	ا ق						rese	rvation	1 Code					
City: Midland	TAT Requested (days):	iys):				district.	\dashv			ᆜ		ŀ	\dashv	-	\dashv	\dashv	_		Coolson		NaOH) Z Z	Hexane None	, o		
State Zip TX, 79701					<u>Mounthala</u> E	En than an da													anna may	m o c	Nitric Acid		0 T (1a2O4	ಪರಸ	Na2O4S Na2SO3	
Phone 432-704-5440(Tel)	PO #:) () () () () () () () () () (ie Je	TPH											S-1 0	Minchesolat		MeOH Amchlor	Š.	407 427	12SO4	. S	1	1
Email	WO#				8.78.77	ile Hambie serie	p Full												eknihtier		ice Di Water		< c -	Acetone MCAA	e 2	iljulai	
Project Name: East Pecos Fed 22-SH	Project # 88000203				(3.76-909)	SANCE CONTRACTOR	S_Pre	EX											and think	L EDA	ÄÄ		N ≶	pH 4-5 other (specify)	pecify	3	
Site:	SSOW#					0.800605-0050	015NM	Calc BT										10.00.27	tel grace had to	Other:							
			Sample Type	Matrix (W=water	Filtered rm MS/N	RGFM_2	OD_NM/8	/5035FP_											Number								
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	<u>. ب</u>	O=waste/oil, BT=Tissue, A=Air)	WHEN TAKEN	Caritic Cilia	8015N	8021E										200 Per	Total		Spec	pecial Instructions/Note	Ťruc C	ii On	s/No	ō.	
	X	X	L OU	Preservation Code:	X				and a			-	3	nugal		Les-			X			W			1		3
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PH06 (890-1280-11)	9/16/21	11 42 Mountain		Solid		×	×	×											4 45)				Ì				l
PH06 (890-1280-12)	9/16/21	11 52 Mountain		Solid		×	×	×				_		_					<i>1</i> 440								
PH07 (890-1280-13)	9/16/21	12 15 Mountain		Solid		×	×	×							\dashv				4								
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Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	blaces the ownership being analyzed the sa e signed Chain of Cu	of method and amples must be stody attesting	alyte & accredit e shipped back to said complic	ation compliand to the Eurofins ance to Eurofin	ie upor Xenco is Xenc	o LLC I	ubcor abora	tract I	aborator other in	ies TI structio	nis sar ons wi	nple s	hipme rovide	ntisfi d. An	orwan y chai	ded u	nder to acc	chain ;redit	of-cu	ıstody status	If the	laboratc be brou	by do	es noi) Euro	curre	enco L	TC
Possible Hazard Identification Unconfirmed					လွ	□mp	Refu	spos	Sample Disposal (A fee	fee n	may be assessed if samples	□e as	assessed if san Disposal By Lab	B B	sam	ples	_ã l	Ŭĕ.	in in	tained long	重	than 1	month)	nth)	ñ		
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Custody Seals Intact. Custody Seal No						ဝွ	oler T	emper	Cooler Temperature(s) °C	°C and	Othe	Other Remarks	arks		-								f				

eurofins Environment Testing

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1280-1 SDG Number: Eddy County NM

List Source: Eurofins Xenco, Carlsbad

Login Number: 1280 List Number: 1 Creator: Clifton, Cloe

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

<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1280-1 SDG Number: Eddy County NM

List Source: Eurofins Xenco, Midland Login Number: 1280 List Number: 2

List Creation: 09/21/21 11:32 AM

Creator: Lowe, Katie

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

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1345-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: East Pecos 22-5H

For:

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

Attn: Joseph Hernandez

MAMER

Authorized for release by: 10/11/2021 3:53:00 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 3/14/2022 4:18:40 PM

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

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

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Laboratory Job ID: 890-1345-1

SDG: Eddy County

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Qualifiers

GC	VOA
Qual	ifier

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

Qualifier Description

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
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.
n	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

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)
ND	Not betedted 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
DED	Pelative Error Patio (Padiochemistry)

RI	Reporting Limit or Requested Limit (Radiochemistry

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1345-1 SDG: Eddy County

Job ID: 890-1345-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1345-1

Receipt

The samples were received on 10/1/2021 9:47 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 2.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8805 and 880-8923 and analytical batch 880-8924 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 samples were outside control limits: FS02 (890-1345-3) and (880-6816-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS01 (890-1345-2) and (880-6735-A-42-B). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Project/Site: East Pecos 22-5H

Client: WSP USA Inc.

Job ID: 890-1345-1

SDG: Eddy County

Client Sample ID: SW01 Date Collected: 09/30/21 10:05

Lab Sample ID: 890-1345-1 Matrix: Solid

Date Received: 10/01/21 09:47 Sample Depth: 0 - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/05/21 14:14	10/06/21 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/05/21 14:14	10/06/21 06:47	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/05/21 14:14	10/06/21 06:47	1
Method: Total BTEX - Total B1	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	-	mg/Kg			10/06/21 08:52	1

Method: 8015 NM - Diesel Range	Organics (DRC)) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1

Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 16:56	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/05/21 08:23	10/05/21 16:56	1
o-Terphenyl	124		70 - 130				10/05/21 08:23	10/05/21 16:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2940	24.9	mg/Kg			10/05/21 11:24	5

Client Sample ID: FS01 Lab Sample ID: 890-1345-2

Date Collected: 09/30/21 10:10 **Matrix: Solid**

Date Received: 10/01/21 09:47

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/05/21 14:14	10/06/21 07:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/05/21 14:14	10/06/21 07:15	

Client: WSP USA Inc. Project/Site: East Pecos 22-5H

Job ID: 890-1345-1

SDG: Eddy County

Client Sample ID: FS01 Lab Sample ID: 890-1345-2 Date Collected: 09/30/21 10:10

Matrix: Solid

Sample Depth: 2

Date Received: 10/01/21 09:47

Method: 8021B - Volatile Organic Compo	ounds (GC)	(Continued)
motification to a gaine compa	Julius (33)	(Continuou,

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	111		70 - 130	10/05/21 14:14	10/06/21 07:15	1

Method: Total	RTFX - Tota	I RTFX (Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg				10/06/21 08:52	1

Mothod: 8015 NM -	Diosal Range	Organice	(DRO) (GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg	9		10/06/21 11:13	1

Method: 8015B	NM Discol	Dange Ore	aaniee (DD()) (CC)
MICHIOU. OU IOD	INIVI - DIESEI	Rallue Oli	ualiics lunc	JI (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 17:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 17:18	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

	burrogute	a Analyzea
o-Terphenyl 132 S1+ 70 130 10/05/21 08:23	1-Chlorooctane	8:23 10/05/21 17:18
102 01 102 01 100 100 100 100 100 100 10	o-Terphenyl	8:23 10/05/21 17:18

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	2040		24.8		mg/Kg			10/05/21 11:30	5

Client Sample ID: FS02 Lab Sample ID: 890-1345-3 **Matrix: Solid**

Date Collected: 09/30/21 10:12 Date Received: 10/01/21 09:47

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Welliou. 002 ID - Volatile Orga	inc compounds ((00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		10/04/21 13:40	10/06/21 11:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				10/04/21 13:40	10/06/21 11:32	1
1 4-Difluorobenzene (Surr)	79		70 130				10/04/21 13:40	10/06/21 11:32	1

Mothod:	Total	RTFY.	. Total	RTEY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		ma/Ka			10/06/21 08:52	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/06/21 11:13	1

Client: WSP USA Inc.

Job ID: 890-1345-1

SDG: Eddy County

Client Sample ID: FS02

Project/Site: East Pecos 22-5H

Date Collected: 09/30/21 10:12 Date Received: 10/01/21 09:47

Sample Depth: 2

Lab Sample ID: 890-1345-3

Lab Sample ID: 890-1345-4

Matrix: Solid

. Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 17:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 17:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/05/21 08:23	10/05/21 17:40	1
o-Terphenyl	126		70 - 130				10/05/21 08:23	10/05/21 17:40	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.98		mg/Kg			10/05/21 11:36	

Client Sample ID: FS03

Date Collected: 09/30/21 10:15

Date Received: 10/01/21 09:47

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/04/21 13:48	10/11/21 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/04/21 13:48	10/11/21 06:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/04/21 13:48	10/11/21 06:29	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/11/21 10:32	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 18:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 18:01	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/05/21 08:23	10/05/21 18:01	1
o-Terphenyl	135	S1+	70 ₋ 130				10/05/21 08:23	10/05/21 18:01	1

Matrix: Solid

Client Sample Results

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

Client Sample ID: FS03 Lab Sample ID: 890-1345-4

Date Collected: 09/30/21 10:15
Date Received: 10/01/21 09:47

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	78.4		4.95		mg/Kg			10/05/21 11:41	1	

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Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-6735-A-41-A MS	Matrix Spike	178 S1+	173 S1+	
880-6735-A-41-B MSD	Matrix Spike Duplicate	101	117	
890-1345-1	SW01	110	103	
890-1345-2	FS01	122	111	
890-1345-3	FS02	162 S1+	79	
890-1345-3 MS	FS02	162 S1+	115	
890-1345-3 MSD	FS02	96	113	
890-1345-4	FS03	106	110	
LCS 880-8805/1-A	Lab Control Sample	129	82	
LCS 880-8833/1-A	Lab Control Sample	89	102	
LCS 880-8923/1-A	Lab Control Sample	124	104	
LCSD 880-8805/2-A	Lab Control Sample Dup	121	99	
LCSD 880-8833/2-A	Lab Control Sample Dup	99	89	
LCSD 880-8923/2-A	Lab Control Sample Dup	126	107	
MB 880-8805/5-A	Method Blank	79	98	
MB 880-8833/5-A	Method Blank	108	105	
MB 880-8854/5-A	Method Blank	103	85	
	Method Blank	74	98	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-6735-A-42-C MS	Matrix Spike	103	98	
880-6735-A-42-D MSD	Matrix Spike Duplicate	103	100	
890-1345-1	SW01	109	124	
890-1345-2	FS01	116	132 S1+	
890-1345-3	FS02	113	126	
890-1345-4	FS03	121	135 S1+	
LCS 880-8877/2-A	Lab Control Sample	104	101	
LCSD 880-8877/3-A	Lab Control Sample Dup	106	111	
MB 880-8877/1-A	Method Blank	112	129	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8805/5-A

Lab Sample ID: LCS 880-8805/1-A

Matrix: Solid

Analysis Batch: 8924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8805

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:40	10/06/21 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:40	10/06/21 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:40	10/06/21 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/21 13:40	10/06/21 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:40	10/06/21 11:06	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		10/04/21 13:40	10/06/21 11:06	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	-	10/04/21 13:40	10/06/21 11:06	1
1.4-Difluorobenzene (Surr)	98		70 - 130	7	10/04/21 13:40	10/06/21 11:06	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8805

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07797 mg/Kg 78 70 - 130 Toluene 0.100 0.09079 mg/Kg 91 70 - 130 0.100 85 Ethylbenzene 0.08547 mg/Kg 70 - 130 0.200 92 70 - 130 m-Xylene & p-Xylene 0.1834 mg/Kg 0.100 0.09472 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-8805/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 8924

Analysis Batch: 8924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8805

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07554		mg/Kg		76	70 - 130	3	35	
Toluene	0.100	0.08417		mg/Kg		84	70 - 130	8	35	
Ethylbenzene	0.100	0.08058		mg/Kg		81	70 - 130	6	35	
m-Xylene & p-Xylene	0.200	0.1755		mg/Kg		88	70 - 130	4	35	
o-Xylene	0.100	0.09166		mg/Kg		92	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 890-1345-3 MS

Matrix: Solid

Analysis Batch: 8924

Client Sample ID: FS02 Prep Type: Total/NA

Prep Batch: 8805

_	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.100	0.03400	F1	mg/Kg		33	70 - 130	
Toluene	< 0.00199	U F1	0.100	0.02366	F1	mg/Kg		24	70 - 130	

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

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

Lab Sample ID: 890-1345-3 MS

Matrix: Solid

Analysis Batch: 8924

Client Sample ID: FS02 Prep Type: Total/NA

Prep Batch: 8805

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene < 0.00199 U F1 0.100 0.03181 F1 32 70 _ 130 mg/Kg m-Xylene & p-Xylene <0.00398 U F1 0.200 0.03645 F1 mg/Kg 18 70 - 130 0.100 46 o-Xylene <0.00199 UF1 0.04584 F1 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-1345-3 MSD

Matrix: Solid

Analysis Batch: 8924

Client Sample ID: FS02
Prep Type: Total/NA

Prep Batch: 8805

Sample Sample Spike MSD MSD %Rec. %Rec Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit 0.100 0.03604 F1 36 Benzene <0.00199 U F1 mg/Kg 70 - 130 6 35 Toluene <0.00199 U F1 0.100 0.02560 F1 mg/Kg 26 70 - 130 8 35 Ethylbenzene <0.00199 U F1 0.100 0.03476 F1 mg/Kg 35 70 - 130 9 35 0.200 0.03011 F1 15 70 - 130 35 m-Xylene & p-Xylene <0.00398 UF1 mq/Kq 19 0.100 <0.00199 U F1 0.04205 F1 42 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	113	70 - 130

Lab Sample ID: MB 880-8833/5-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8833

Result Qualifier MDL Unit Prepared Dil Fac Analyte RL Analyzed Benzene <0.00200 U 0.00200 mg/Kg 10/04/21 13:48 10/10/21 22:54 Toluene <0.00200 U 0.00200 mg/Kg 10/04/21 13:48 10/10/21 22:54 Ethylbenzene <0.00200 U 0.00200 mg/Kg 10/04/21 13:48 10/10/21 22:54 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 10/04/21 13:48 10/10/21 22:54 0.00200 10/04/21 13:48 10/10/21 22:54 o-Xylene <0.00200 U mg/Kg <0.00400 U 0.00400 10/10/21 22:54 Xylenes, Total mg/Kg 10/04/21 13:48

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/04/21 13:48	10/10/21 22:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/04/21 13:48	10/10/21 22:54	1

Lab Sample ID: LCS 880-8833/1-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8833

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07652		mg/Kg		77	70 - 130	
Toluene	0.100	0.09387		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.09554		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	0.200	0.1644		mg/Kg		82	70 - 130	

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Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

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

Lab Sample ID: LCS 880-8833/1-A

Lab Sample ID: LCSD 880-8833/2-A

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8833

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits D 0.07736 o-Xylene 0.100 70 - 130 mg/Kg

0.200

0.100

0.1676

0.08411

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

84

84

Prep Type: Total/NA

70 - 130

Prep Batch: 8833

Analysis Batch: 9113

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Spike LCSD LCSD RPD %Rec. Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.100 0.07139 mg/Kg 71 70 - 130 35 0.100 0.09568 mg/Kg 96 70 - 130 2 35 0.100 0.1072 mg/Kg 107 70 - 130 11 35

mg/Kg

mg/Kg

70 - 130 2 35

LCSD LCSD

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

Lab Sample ID: 880-6735-A-41-A MS

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 8833

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F2 F1	0.0998	0.01746	F1	mg/Kg		17	70 - 130	
Toluene	<0.00199	U F2 F1	0.0998	0.1395	F1	mg/Kg		140	70 - 130	
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.08502		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.2150		mg/Kg		108	70 - 130	
o-Xylene	< 0.00199	U F1	0.0998	0.06562	F1	mg/Kg		66	70 - 130	

MS MS %Recovery Surrogate Qualifier

Limits 70 - 130 4-Bromofluorobenzene (Surr) 178 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 173 S1+

Lab Sample ID: 880-6735-A-41-B MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep	Batch:	8833
ec.		RPD

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F2 F1	0.0998	0.05118	F2 F1	mg/Kg		51	70 - 130	98	35
Toluene	<0.00199	U F2 F1	0.0998	0.06268	F2 F1	mg/Kg		63	70 - 130	76	35
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.05148	F2 F1	mg/Kg		52	70 - 130	49	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1000	F2 F1	mg/Kg		50	70 - 130	73	35
o-Xylene	<0.00199	U F1	0.0998	0.05019	F1	mg/Kg		50	70 - 130	27	35

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

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

Lab Sample ID: 880-6735-A-41-B MSD

Matrix: Solid

Analysis Batch: 9113

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8833

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 1,4-Difluorobenzene (Surr) 117 70 - 130

Lab Sample ID: MB 880-8854/5-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 9113

Prep Type: Total/NA

Prep Batch: 8854

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 14:40	10/10/21 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 14:40	10/10/21 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 14:40	10/10/21 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/21 14:40	10/10/21 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 14:40	10/10/21 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/21 14:40	10/10/21 11:52	1

MB MB Qualifier Limits Prepared Analyzed Dil Fac Surrogate %Recovery 70 - 130 10/04/21 14:40 10/10/21 11:52 4-Bromofluorobenzene (Surr) 103 1,4-Difluorobenzene (Surr) 85 70 - 130 10/04/21 14:40 10/10/21 11:52

Lab Sample ID: MB 880-8923/5-A

Matrix: Solid

Analysis Batch: 8924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8923

IVID	IVID	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0000200	U	0.0000020		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						
Toluene	<0.00000200	U	0.0000020		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						
Ethylbenzene	<0.00000200	U	0.0000020		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						
m-Xylene & p-Xylene	<0.00000400	U	0.0000040		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						
o-Xylene	<0.00000200	U	0.0000020		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						
Xylenes, Total	<0.0000400	U	0.0000040		mg/Kg		10/05/21 14:14	10/05/21 21:12	1
			0						

	MB	MB
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	10/05/21 14:1	4 10/05/21 21:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/05/21 14:1	4 10/05/21 21:12	1

Lab Sample ID: LCS 880-8923/1-A

Matrix: Solid

Analysis Batch: 8924

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

Prep Batch: 8923

١		Spike	LCS	LCS			%Rec.	
	Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
	Benzene	0.100	0.1031	mg/Kg]	103	70 - 130	
١	Toluene	0.100	0.1051	mg/Kg	J	105	70 - 130	
	Ethylbenzene	0.100	0.1037	mg/Kg	J	104	70 - 130	

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

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

Lab Sample ID: LCS 880-8923/1-A

Lab Sample ID: LCSD 880-8923/2-A

Matrix: Solid Analysis Batch: 8924

Client Sample	ID:	Lab	Control	Sample

Prep Type: Total/NA Prep Batch: 8923

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits 0.200 0.2268 113 70 - 130 m-Xylene & p-Xylene mg/Kg o-Xylene 0.100 0.1144 mg/Kg 114 70 - 130

%Rec.

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8923

Matrix: Solid

Analysis Batch: 8924

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	9	35
Toluene	0.100	0.1175		mg/Kg		117	70 - 130	11	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2467		mg/Kg		123	70 - 130	8	35
o-Xylene	0.100	0.1247		mg/Kg		125	70 - 130	9	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

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

Lab Sample ID: MB 880-8877/1-A

Matrix: Solid

Analysis Batch: 8871

Cliont	Camp	In ID:	Method	Plank
Cilent	Sallib	IU.	MELITOU	DIALIK

Prep Type: Total/NA

Prep Batch: 8877

мв мв

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1
ı										

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	10/05/21 08:23	10/05/21 10:26	1
o-Terphenyl	129		70 - 130	10/05/21 08:23	10/05/21 10:26	1

Lab Sample ID: LCS 880-8877/2-A

Matrix: Solid

Analysis Batch: 8871

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8877

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	884.0		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	920.7		mg/Kg		92	70 - 130	
C10-C28)								

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H SDG: Eddy County

Lab Sample ID: LCS 880-8877/2-A

Matrix: Solid

Analysis Batch: 8871

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8877

LCS LCS

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

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 101 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8877

Lab Sample ID: LCSD 880-8877/3-A **Matrix: Solid**

Lab Sample ID: 880-6735-A-42-C MS

Analysis Batch: 8871

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	928.7		mg/Kg		93	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	966.7		mg/Kg		97	70 - 130	5	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	111		70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8877

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U	995	943.1		mg/Kg		93	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	995	854.2		mg/Kg		86	70 - 130		
C10-C28)											

Matrix: Solid

Analysis Batch: 8871

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-6735-A-42-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid				Prep Type:	Total/NA
Analysis Batch: 8871				Prep Bate	ch: 8877
	Sample Sample	Spike	MSD MSD	%Rec.	RPD

Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9 l	U	997	979.0		mg/Kg		96	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9 l	U	997	871.0		mg/Kg		87	70 - 130	2	20
C10-C28)											

	พรบ	พรบ	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	100		70 - 130

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8737/1-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 8836

Matrix: Solid

MB MB

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 10/05/21 08:30

Lab Sample ID: LCS 880-8737/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8836

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 263.3 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-8737/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8836

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 263.3 105 mg/Kg 90 - 110

Lab Sample ID: 890-1344-A-61-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8836

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 65.2 250 327.9 105 90 - 110 mg/Kg

Lab Sample ID: 890-1344-A-61-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8836

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 250 Chloride 65.2 329.0 mg/Kg 106 90 - 110 20

QC Association Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

GC VOA

Prep Batch: 8805

Lab Sample ID 890-1345-3	Client Sample ID FS02	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-8805/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8805/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8805/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1345-3 MS	FS02	Total/NA	Solid	5035	
890-1345-3 MSD	FS02	Total/NA	Solid	5035	

Prep Batch: 8833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-4	FS03	Total/NA	Solid	5035	<u> </u>
MB 880-8833/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8833/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8833/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6735-A-41-A MS	Matrix Spike	Total/NA	Solid	5035	
880-6735-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8854/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 8923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	5035	
890-1345-2	FS01	Total/NA	Solid	5035	
MB 880-8923/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8923/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8923/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 8924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	8021B	8923
890-1345-2	FS01	Total/NA	Solid	8021B	8923
890-1345-3	FS02	Total/NA	Solid	8021B	8805
MB 880-8805/5-A	Method Blank	Total/NA	Solid	8021B	8805
MB 880-8923/5-A	Method Blank	Total/NA	Solid	8021B	8923
LCS 880-8805/1-A	Lab Control Sample	Total/NA	Solid	8021B	8805
LCS 880-8923/1-A	Lab Control Sample	Total/NA	Solid	8021B	8923
LCSD 880-8805/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8805
LCSD 880-8923/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8923
890-1345-3 MS	FS02	Total/NA	Solid	8021B	8805
890-1345-3 MSD	FS02	Total/NA	Solid	8021B	8805

Analysis Batch: 8960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	Total BTEX	
890-1345-2	FS01	Total/NA	Solid	Total BTEX	
890-1345-3	FS02	Total/NA	Solid	Total BTEX	

Analysis Batch: 9113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-4	FS03	Total/NA	Solid	8021B	8833

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: WSP USA Inc.

Job ID: 890-1345-1

Project/Site: East Pecos 22-5H

SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 9113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8833/5-A	Method Blank	Total/NA	Solid	8021B	8833
MB 880-8854/5-A	Method Blank	Total/NA	Solid	8021B	8854
LCS 880-8833/1-A	Lab Control Sample	Total/NA	Solid	8021B	8833
LCSD 880-8833/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8833
880-6735-A-41-A MS	Matrix Spike	Total/NA	Solid	8021B	8833
880-6735-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8833

Analysis Batch: 9138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-4	FS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 8871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	8015B NM	8877
890-1345-2	FS01	Total/NA	Solid	8015B NM	8877
890-1345-3	FS02	Total/NA	Solid	8015B NM	8877
890-1345-4	FS03	Total/NA	Solid	8015B NM	8877
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015B NM	8877
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8877
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8877
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8877
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8877

Prep Batch: 8877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	8015NM Prep	
890-1345-2	FS01	Total/NA	Solid	8015NM Prep	
890-1345-3	FS02	Total/NA	Solid	8015NM Prep	
890-1345-4	FS03	Total/NA	Solid	8015NM Prep	
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Total/NA	Solid	8015 NM	
890-1345-2	FS01	Total/NA	Solid	8015 NM	
890-1345-3	FS02	Total/NA	Solid	8015 NM	
890-1345-4	FS03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 8737

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Soluble	Solid	DI Leach	
890-1345-2	FS01	Soluble	Solid	DI Leach	
890-1345-3	FS02	Soluble	Solid	DI Leach	
890-1345-4	FS03	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 8737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1344-A-61-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1344-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 8836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1345-1	SW01	Soluble	Solid	300.0	8737
890-1345-2	FS01	Soluble	Solid	300.0	8737
890-1345-3	FS02	Soluble	Solid	300.0	8737
890-1345-4	FS03	Soluble	Solid	300.0	8737
MB 880-8737/1-A	Method Blank	Soluble	Solid	300.0	8737
LCS 880-8737/2-A	Lab Control Sample	Soluble	Solid	300.0	8737
LCSD 880-8737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8737
890-1344-A-61-B MS	Matrix Spike	Soluble	Solid	300.0	8737
890-1344-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8737

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1345-1 SDG: Eddy County

Lab Sample ID: 890-1345-1

Matrix: Solid

Client Sample ID: SW01 Date Collected: 09/30/21 10:05

Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8923	10/05/21 14:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8924	10/06/21 06:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8960	10/06/21 08:52	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		5			8836	10/05/21 11:24	CH	XEN MID

Client Sample ID: FS01 Lab Sample ID: 890-1345-2 Date Collected: 09/30/21 10:10

Date Received: 10/01/21 09:47

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8923	10/05/21 14:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8924	10/06/21 07:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8960	10/06/21 08:52	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		5			8836	10/05/21 11:30	CH	XEN MID

Client Sample ID: FS02 Lab Sample ID: 890-1345-3 Date Collected: 09/30/21 10:12

Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8805	10/04/21 13:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8924	10/06/21 11:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8960	10/06/21 08:52	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 17:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		1			8836	10/05/21 11:36	CH	XEN MID

Client Sample ID: FS03 Lab Sample ID: 890-1345-4

Date Collected: 09/30/21 10:15 Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8833	10/04/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9113	10/11/21 06:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9138	10/11/21 10:32	KL	XEN MID

Eurofins Xenco, Carlsbad

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Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

Client Sample ID: FS03

Lab Sample ID: 890-1345-4

Matrix: Solid

Date Collected: 09/30/21 10:15 Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 18:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		1			8836	10/05/21 11:41	CH	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1345-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		ogram	Identification Number	Expiration Date
		ELAP	T104704400-21-22	06-30-22
The following analytes the agency does not of	• •	ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1345-1

SDG: Eddy County

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1345-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1345-1	SW01	Solid	09/30/21 10:05	10/01/21 09:47	0 - 2
890-1345-2	FS01	Solid	09/30/21 10:10	10/01/21 09:47	2
890-1345-3	FS02	Solid	09/30/21 10:12	10/01/21 09:47	2
890-1345-4	FS03	Solid	09/30/21 10:15	10/01/21 09:47	2

Work Order No:	www.xenco.com Page of	Work Order Comments	UST/PST PRP Brownfields RRC Superfund		Level PST/UST TRRP Level IV	EDD ☐ ADaPT ☐ Other:	Preservative Codes	None: NO DI Water: H ₂ O	Cool: Cool MeOH: Me	HCL: HC HNO 3: HN		NaHSO 4: NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments							Na Sr TI Sn	Hg: 1631 / 245.1 / 7470 / 7471		Received by: (Signature) Date/Time		
			Program:	a Vista Dr.	CM 882.2	Deliverables:	ANALYSIS REQUEST						890-1345 Chain of Custody										<u> </u>	Co Cu Pb Mn Mo Ni Se Ag Tl U	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affillates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco, Eurofins Xenco, A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, Dut not analyzed. These terms will be enforced unless previously negotiated.	Relinquished by: (Signature) Rece		
Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbe, NM (578) 392-7550, Carlebad, NM (578) 908-3199	ייייי (ביב) אייי (ביב)	to: (if different) Jan Raley		5315 Buena	Carlsk	anna byers @ wsp. com		Pres. Code	(p	dby (8)	sters	rame	1) Fla 64	יקר פנ	γς: (((((((((((((((((((Grab/ # of P. Comp Cont	Cond X X X	× × ×	× × × -	× × - -		5	Al Sb As Ba Be B Cd	Sb As Ba Be Cd Cr	company to Eurofins Xenco, its affiliates and subco by Josses or expenses incurred by the client if such be lie submitted to Eurofins Xenco, but not analyzed.		15440 151.01	
nment Testing		Hernandez Bilito: (ifa	Company Name:	A Street Address:	,	1319 Email:	12-5H	DIO Bush	County Due Date:	TAT starts the day received by the lab, if received by 4:30pm	nk: (Yes) No Wet Ice: Yes No	Thermometer ID:	,.	N/A Temperature Reading: 3.0	Corrected Temperature: 2.8	Matrix Sampled Sampled Depth	3 9130/2 1005 6-2'	5 436/31 1010 1.		5 9/30/21 10/5 2.			20: 8RCRA 13PPM Texas 11	e analyzed TCLP / SPLP 6010 : 8RCRA	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be labbe 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego	Received by: (Signature)	(100 (34)	
eurofins Enviro		Project Manager:	WSP USA	3300 N	City, State ZIP: Mickland		Project Name: East Peccs	er:	Project Location: Ecology Cov	Samplers Name: Anna Buers	PLE RECEIPT	tact:	yes No	Sample Custody Seals: Yes No (N	Total Containers:	Sample Identification N	SWEI			2			Total 200.7 / 6010 200.8 / 6020:	Circle Method(s) and Metal(s) to be analyzed	Notice: Signature of this document and relinquishment of service. Eurofins Xenco will be liable only for the cost of Eurofins Xenco. A minimum charge of \$85.00 will be:	Relinquished by: (Signature)	" Clara Byers	

Eurofins Xenco, Carlsbad 1089 N Canal St

Chain of Custody Record

Environment Testing

State Zip: TX 79701 Note Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. FS01 (890-1345-2) SW01 (890-1345-1) Midland Carlsbad NM 88220 Phone: 575-988-3199 Fax 575-988-3199 ^oroject Name East Pecos 22-5h ⁻S02 (890-1345-3) Sample Identification - Client ID (Lab ID) 132-704-5440(Tel) 1211 W Florida Ave ossible Hazard Identification [:]S03 (890-1345-4) mpty Kit Relinquished by Deliverable Requested | II III IV Other (specify) Custody Seals Intact.

A Yes A No rofins Xenco linquished by ient Information ipping/Receiving (Sub Contract Lab) Custody Seal No Sampler PO #: Primary Deliverable Rank 88000203 TAT Requested (days) Due Date Requested 10/7/2021 Phone: 9/30/21 9/30/21 9/30/21 9/30/21 Mountain 10 10 Date Mountair Mountair 10 15 Mountain 10 12 10 05 (C=comp, Preservation Code: Type Company Company Matrix Solid Solid Solid Solid E-Mail essica.kramer@eurofinset.com Kramer Jessica Field Filtered Sample (Yes or No) **NELAP** - Texas Accreditations Required (See note) Time Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Special Instructions/QC Requirements Received by Cooler Temperature(s) "Crand Other Remark × \times 300 ORGFM 28D/DI LEACH Chloride 8015MOD_NM/8015NM_S_Prep Full TPH × × × × × 8021B/5035FP_Calc BTEX × × × × 8015MOD Calo × × × Analysis Requested × Total_BTEX_GCV State of Origin
New Mexico Carrier Tracking No(s) od of Shipment Total Number of containers operation. A HCL
B-NAOH
C Zn Acetate
D Nitric Acid
E NaHSO4
F MeOH
F AmeOH
F Amchlor
H Ascorbic Acid COC No: 890-440 1 Page 1 of 1 890-1345-1 Preservation Codes Ice
J DI Water
C EDTA
L EDA Special Instructions/Note M - Hexane
N None
O AsNaO2
P NaZO4S
Q NaZSO3
R NaZSO3
S H2SO4
T - TSP Dodecahydrate
U Acetone
V - MCAA
W pH 4-5
Z ofther (specify) Ver: 06/08/202 Months

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1345-1 SDG Number: Eddy County

List Source: Eurofins Xenco, Carlsbad Login Number: 1345

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1345-1 SDG Number: Eddy County

Login Number: 1345 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 10/04/21 09:20 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 / 2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

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<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1346-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: East Pecos 22-5H

For:

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

Attn: Joseph Hernandez

JURAMER

Authorized for release by: 10/6/2021 12:04:49 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.

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Laboratory Job ID: 890-1346-1 SDG: Eddy County

Table of Contents

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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 re

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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 Positive / Present POS

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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: East Pecos 22-5H

Job ID: 890-1346-1 SDG: Eddy County

Job ID: 890-1346-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1346-1

Receipt

The samples were received on 10/1/2021 9:47 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 2.8°C

GC VOA

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 sample was outside control limits: (880-6735-A-42-B). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8731 and analytical batch 880-8851 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client: WSP USA Inc. Project/Site: East Pecos 22-5H

Job ID: 890-1346-1

Lab Sample ID: 890-1346-1

SDG: Eddy County

Matrix: Solid

Client Sample ID: PH08

Date Collected: 09/30/21 10:55 Date Received: 10/01/21 09:47

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/04/21 09:44	10/05/21 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				10/04/21 09:44	10/05/21 07:18	1
1,4-Difluorobenzene (Surr)	73		70 - 130				10/04/21 09:44	10/05/21 07:18	1
- Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	<0.00200		0.00200	MDL	mg/Kg	D	Prepared	Analyzed 10/04/21 15:27	Dil Fac
	<0.00200	U		MDL		<u>D</u>	Prepared		Dil Fac
Total BTEX	<0.00200	U		MDL MDL	mg/Kg	<u>D</u> 	Prepared Prepared		Dil Fac Dil Fac
Total BTEX Method: 8015 NM - Diesel Ran	<0.00200	O) (GC) Qualifier	0.00200		mg/Kg	<u> </u>		10/04/21 15:27	1
Total BTEX Method: 8015 NM - Diesel Ran Analyte	<0.00200 age Organics (DR Result <50.0	U O) (GC) Qualifier U	0.00200		mg/Kg	<u> </u>		10/04/21 15:27 Analyzed	1

Gasoline Range Organics	<49.8	U	49.8	mg/Kg	10/05/21 08:23	10/05/21 18:22	1
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg	10/05/21 08:23	10/05/21 18:22	1
C10-C28)							
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	10/05/21 08:23	10/05/21 18:22	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130		10/05/21 08:23	10/05/21 18:22	1
o-Terphenyl	125		70 - 130		10/05/21 08:23	10/05/21 18:22	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117	5.04	mg/Kg			10/05/21 11:47	1

Client Sample ID: PH08

Date Collected: 09/30/21 11:05 Date Received: 10/01/21 09:47

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/04/21 09:44	10/05/21 07:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				10/04/21 09:44	10/05/21 07:39	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1346-2

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1346-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H SDG: Eddy County

Client Sample ID: PH08

Date Collected: 09/30/21 11:05 Date Received: 10/01/21 09:47

Sample Depth: 4

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	76	70 - 130	10/04/21 09:44	10/05/21 07:39	1

ı	Mothodi	Total DTEV	- Total BTEX	Coloulation
ı	wethou.	TOTAL DIEV	- IUIAI DIEA	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	כ	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg	 	_	10/04/21 15:27	1

Method: 8015 NM - D	Diesel Range Org	ganics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	r	mg/Kg		 	10/06/21 11:13	1

Method: 8015B NM - Diese	I Range Organics	(DRO)	(GC)
moundar of rob run Brook	tungo organioo	()	1/

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 18:42	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 18:42	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110	70 - 130	10/05/21 08:23	10/05/21 18:42	1
o-Terphenyl	120	70 - 130	10/05/21 08:23	10/05/21 18:42	1

Method: 300.0 - Anions, Ion	Chromatography - Soluble
-----------------------------	---------------------------------

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac	
Chloride	36.1		5.01		mg/Kg			10/05/21 11:52	1	

Client Sample ID: PH09 Lab Sample ID: 890-1346-3 Matrix: Solid

Date Collected: 09/30/21 11:10 Date Received: 10/01/21 09:47

Sample Depth: 1

Method: 8021B -	Volatile Ord	danic Comp	ounds (GC)

motifica. Coz ib Volutile Orga	ino compoundo ((33)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
Toluene	< 0.00199	U	0.00199		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/04/21 09:44	10/05/21 07:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/04/21 09:44	10/05/21 07:59	1
1,4-Difluorobenzene (Surr)	79		70 - 130				10/04/21 09:44	10/05/21 07:59	1

Method:	Total RTF)	(- Total RTFX	Calculation

Analyte	Result Qua	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200 U	0.00200	ma/Ka			10/04/21 15:27	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/06/21 11:13	1

Matrix: Solid

Lab Sample ID: 890-1346-3

10/05/21 11:58

Job ID: 890-1346-1

Client: WSP USA Inc. Project/Site: East Pecos 22-5H SDG: Eddy County

Client Sample ID: PH09 Date Collected: 09/30/21 11:10 Date Received: 10/01/21 09:47

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 19:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 19:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/05/21 08:23	10/05/21 19:03	1
o-Terphenyl	112		70 - 130				10/05/21 08:23	10/05/21 19:03	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: PH09 Lab Sample ID: 890-1346-4 Matrix: Solid

4.99

54.2

mg/Kg

Date Collected: 09/30/21 11:15 Date Received: 10/01/21 09:47

Sample Depth: 4

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/04/21 09:44	10/05/21 08:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/04/21 09:44	10/05/21 08:20	1
1,4-Difluorobenzene (Surr)	76		70 - 130				10/04/21 09:44	10/05/21 08:20	1
- Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			10/04/21 15:27	1
-									
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
		O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/06/21 11:13	Dil Fac
Analyte	Result <50.0	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U				<u>D</u>	Prepared Prepared		1
Analyte Total TPH	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		mg/Kg			10/06/21 11:13	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Result <50.0 e Organics (Digital Result <50.0)	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg		Prepared 10/05/21 08:23	10/06/21 11:13 Analyzed 10/05/21 19:23	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (D	Qualifier U RO) (GC) Qualifier U	50.0		mg/Kg		Prepared	10/06/21 11:13 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/05/21 08:23	10/06/21 11:13 Analyzed 10/05/21 19:23 10/05/21 19:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 e Organics (Digital Result <50.0)	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 10/05/21 08:23	10/06/21 11:13 Analyzed 10/05/21 19:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/05/21 08:23	10/06/21 11:13 Analyzed 10/05/21 19:23 10/05/21 19:23	
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 10/05/21 08:23 10/05/21 08:23	Analyzed 10/05/21 19:23 10/05/21 19:23 10/05/21 19:23	1 Dil Fac 1 1

Eurofins Xenco, Carlsbad

10/6/2021

Client Sample Results

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

Client Sample ID: PH09 Lab Sample ID: 890-1346-4

Date Collected: 09/30/21 11:15

Matrix: Solid

Date Received: 10/01/21 09:47

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		4.98		mg/Kg			10/05/21 09:51	1

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Surrogate Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1346-1	PH08	127	73	
890-1346-2	PH08	124	76	
890-1346-3	PH09	111	79	
890-1346-4	PH09	130	76	
890-1349-A-1-B MSD	Matrix Spike Duplicate	252 S1+	80	
890-1349-A-1-C MS	Matrix Spike	253 S1+	84	
LCS 880-8788/1-A	Lab Control Sample	109	86	
LCSD 880-8788/2-A	Lab Control Sample Dup	118	86	
MB 880-8787/5-A	Method Blank	110	78	
MB 880-8788/5-A	Method Blank	112	79	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-6735-A-42-C MS	Matrix Spike	103	98	
880-6735-A-42-D MSD	Matrix Spike Duplicate	103	100	
390-1346-1	PH08	108	125	
390-1346-2	PH08	110	120	
390-1346-3	PH09	104	112	
390-1346-4	PH09	106	117	
_CS 880-8877/2-A	Lab Control Sample	104	101	
_CSD 880-8877/3-A	Lab Control Sample Dup	106	111	
MB 880-8877/1-A	Method Blank	112	129	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8787/5-A

Matrix: Solid

Analysis Batch: 8791

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8787

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:41	10/04/21 13:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:41	10/04/21 13:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:41	10/04/21 13:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/21 09:41	10/04/21 13:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:41	10/04/21 13:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/21 09:41	10/04/21 13:35	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene (Surr)	110		70 - 130	10/04/21 09:4
1,4-Difluorobenzene (Surr)	78		70 - 130	10/04/21 09:4

Dil Fac Analyzed /21 09:41 10/04/21 13:35 /21 09:41 10/04/21 13:35

Lab Sample ID: MB 880-8788/5-A

Matrix: Solid

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

Prep Batch: 8788

Analysis Batch: 8791
мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/21 09:44	10/05/21 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 09:44	10/05/21 00:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/21 09:44	10/05/21 00:29	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/04/21 09:4	4 10/05/21 00:29	1
1,4-Difluorobenzene (Surr)	79		70 - 130	10/04/21 09:4	4 10/05/21 00:29	1

Lab Sample ID: LCS 880-8788/1-A

Matrix: Solid Analysis Batch: 8791 **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 8788

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09716		mg/Kg		97	70 - 130	
Toluene	0.100	0.09892		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.09741		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2010		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1000		mg/Kg		100	70 - 130	
	Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Analyte Added Benzene 0.100 Toluene 0.100 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200	Analyte Added Result Benzene 0.100 0.09716 Toluene 0.100 0.09892 Ethylbenzene 0.100 0.09741 m-Xylene & p-Xylene 0.200 0.2010	Analyte Added Result Qualifier Benzene 0.100 0.09716 Toluene 0.100 0.09892 Ethylbenzene 0.100 0.09741 m-Xylene & p-Xylene 0.200 0.2010	Analyte Added Result Qualifier Unit Benzene 0.100 0.09716 mg/Kg Toluene 0.100 0.09892 mg/Kg Ethylbenzene 0.100 0.09741 mg/Kg m-Xylene & p-Xylene 0.200 0.2010 mg/Kg	Analyte Added Result Qualifier Unit D Benzene 0.100 0.09716 mg/Kg Toluene 0.100 0.09892 mg/Kg Ethylbenzene 0.100 0.09741 mg/Kg m-Xylene & p-Xylene 0.200 0.2010 mg/Kg	Analyte Added Result Qualifier Unit Unit D %Rec Benzene 0.100 0.09716 mg/Kg 97 Toluene 0.100 0.09892 mg/Kg 99 Ethylbenzene 0.100 0.09741 mg/Kg 97 m-Xylene & p-Xylene 0.200 0.2010 mg/Kg 101	Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09716 mg/Kg 97 70 - 130 Toluene 0.100 0.09892 mg/Kg 99 70 - 130 Ethylbenzene 0.100 0.09741 mg/Kg 97 70 - 130 m-Xylene & p-Xylene 0.200 0.2010 mg/Kg 101 70 - 130

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-8788/2-A

Matrix: Solid

Analysis Batch: 8791

Client Sample ID:	: Lab Control Sample Dup)
	Dean Time, Tetal/N/	

Prep Type: Total/NA

Prep Batch: 8788

	эріке	LCSD LCS	30			70Kec.		KFD
Analyte	Added	Result Qua	alifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1068	mg/Kg		107	70 - 130	9	35

LCCD LCCD

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1346-1 SDG: Eddy County

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

Lab Sample ID: LCSD 880-8788/2-A

Matrix: Solid

Analysis Batch: 8791

Client Sample	ID:	Lab	Contr	ol S	Sample	Dup

Prep Type: Total/NA Prep Batch: 8788

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	8	35
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2226		mg/Kg		111	70 - 130	10	35
o-Xylene	0.100	0.1104		mg/Kg		110	70 - 130	10	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 _ 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8788

Lab Sample ID: 890-1349-A-1-B MSD **Matrix: Solid**

Analysis Batch: 8791

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.05974		mg/Kg					
Toluene	<0.00199	U	0.100	0.05418		mg/Kg					
Ethylbenzene	0.104		0.100	0.2124		mg/Kg					
m-Xylene & p-Xylene	0.0370		0.200	0.1299		mg/Kg					
o-Xylene	0.147		0.100	0.2979		mg/Kg					

MSD MSD

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 890-1349-A-1-C MS

Matrix: Solid

Analysis Batch: 8791

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8788

Surrogate %Recovery Qualifier Limits 253 S1+ 4-Bromofluorobenzene (Surr) 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130

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

Lab Sample ID: MB 880-8877/1-A

Matrix: Solid

Analysis Batch: 8871

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8877

	MB	MB							
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	m	ng/Kg		10/05/21 08:23	10/05/21 10:26	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	m	ng/Kg		10/05/21 08:23	10/05/21 10:26	1
C10-C28)					0 0				
OII Range Organics (Over C28-C36)	<50.0	U	50.0	m	ng/Kg		10/05/21 08:23	10/05/21 10:26	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	10/05/21 08:23	10/05/21 10:26	1
o-Terphenyl	129		70 - 130	10/05/21 08:23	10/05/21 10:26	1

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H SDG: Eddy County

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

Lab Sample ID: LCS 880-8877/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 8871

Prep Type: Total/NA Prep Batch: 8877

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits D Gasoline Range Organics 1000 884.0 mg/Kg 88 70 - 130 (GRO)-C6-C10 1000 920.7 70 - 130Diesel Range Organics (Over mg/Kg 92 C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 104 o-Terphenyl 101 70 - 130

Lab Sample ID: LCSD 880-8877/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 8871

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 Gasoline Range Organics 928.7 mg/Kg 93 70 - 130 5 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 966.7 mg/Kg 97 70 - 130 5 20

C10-C28)

LCSD LCSD Qualifier Surrogate %Recovery Limits 1-Chlorooctane 106 70 - 130 111 70 - 130 o-Terphenyl

Lab Sample ID: 880-6735-A-42-C MS Client Sample ID: Matrix Spike **Matrix: Solid**

Analysis Batch: 8871

Prep Type: Total/NA Prep Batch: 8877 Spike MS MS %Rec.

Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U 995 93 Gasoline Range Organics 943.1 70 - 130 mg/Kg (GRO)-C6-C10 995 854.2 86 70 - 130 Diesel Range Organics (Over <49.9 L mg/Kg C10-C28)

Qualifier Limits Surrogate %Recovery 1-Chlorooctane 103 70 - 130 98 70 - 130 o-Terphenyl

MS MS

Lab Sample ID: 880-6735-A-42-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 8871

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Limit Analyte Added Result Qualifier Limits RPD Unit D %Rec Gasoline Range Organics <49.9 U 997 979.0 96 70 - 130 4 20 mg/Kg (GRO)-C6-C10 871.0 Diesel Range Organics (Over <49.9 U 997 mg/Kg 87 70 - 1302 20

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 103

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Prep Batch: 8877

Prep Batch: 8877

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H SDG: Eddy County

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

Lab Sample ID: 880-6735-A-42-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 8871

Prep Batch: 8877

MSD MSD

Surrogate %Recovery Qualifier

Limits o-Terphenyl 100 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8737/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8836

MB MB Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride <5.00 5.00 10/05/21 08:30 U mg/Kg

Lab Sample ID: LCS 880-8737/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8836

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Chloride 250 263.3 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-8737/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8836

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 263.3 90 - 110 mg/Kg 105 20

Lab Sample ID: 890-1344-A-61-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 8836

Spike MS MS %Rec. Sample Sample Analyte Qualifier Added Qualifier Unit %Rec Result Result Limits Chloride 65.2 250 327.9 105 90 - 110 mg/Kg

Lab Sample ID: 890-1344-A-61-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8836

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Qualifier RPD Limit Analyte Result Unit %Rec Limits Chloride 250 65.2 329 0 106 90 - 110 mg/Kg

Lab Sample ID: MB 880-8731/1-A

Released to Imaging: 3/14/2022 4:18:40 PM

Matrix: Solid

Analysis Batch: 8851

MB MB Result Qualifier Analyte RL MDL Dil Fac Unit D Prepared Analyzed Chloride 5.00 <5.00 U 10/05/21 08:11 mg/Kg

Client Sample ID: Method Blank

Eurofins Xenco, Carlsbad

Prep Type: Soluble

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8731/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8851

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 266.7 mg/Kg 107 90 - 110

Lab Sample ID: LCSD 880-8731/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8851

Spike LCSD LCSD %Rec. RPD Added Limit Analyte Result Qualifier Unit D %Rec Limits RPD Chloride 250 266.6 mg/Kg 107 90 - 110 0

Lab Sample ID: 890-1347-A-1-E MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8851

MS MS %Rec. Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 244 F1 250 529.5 F1 90 - 110 mg/Kg 114

Lab Sample ID: 890-1347-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 8851

MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits Chloride 244 F1 250 515.3 109 90 - 110 20 mg/Kg

QC Association Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1346-1 SDG: Eddy County

GC VOA

Prep Batch: 8787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8787/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 8788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	5035	
890-1346-2	PH08	Total/NA	Solid	5035	
890-1346-3	PH09	Total/NA	Solid	5035	
890-1346-4	PH09	Total/NA	Solid	5035	
MB 880-8788/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8788/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8788/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1349-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-1349-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 8791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	8021B	8788
890-1346-2	PH08	Total/NA	Solid	8021B	8788
890-1346-3	PH09	Total/NA	Solid	8021B	8788
890-1346-4	PH09	Total/NA	Solid	8021B	8788
MB 880-8787/5-A	Method Blank	Total/NA	Solid	8021B	8787
MB 880-8788/5-A	Method Blank	Total/NA	Solid	8021B	8788
LCS 880-8788/1-A	Lab Control Sample	Total/NA	Solid	8021B	8788
LCSD 880-8788/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8788
890-1349-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8788
890-1349-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	8788

Analysis Batch: 8859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	Total BTEX	
890-1346-2	PH08	Total/NA	Solid	Total BTEX	
890-1346-3	PH09	Total/NA	Solid	Total BTEX	
890-1346-4	PH09	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 8871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	8015B NM	8877
890-1346-2	PH08	Total/NA	Solid	8015B NM	8877
890-1346-3	PH09	Total/NA	Solid	8015B NM	8877
890-1346-4	PH09	Total/NA	Solid	8015B NM	8877
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015B NM	8877
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8877
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8877
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8877
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8877

Prep Batch: 8877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-1346-1 Project/Site: East Pecos 22-5H SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 8877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-2	PH08	Total/NA	Solid	8015NM Prep	
890-1346-3	PH09	Total/NA	Solid	8015NM Prep	
890-1346-4	PH09	Total/NA	Solid	8015NM Prep	
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Total/NA	Solid	8015 NM	
890-1346-2	PH08	Total/NA	Solid	8015 NM	
890-1346-3	PH09	Total/NA	Solid	8015 NM	
890-1346-4	PH09	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 8731

Lab Sample ID 890-1346-4	Client Sample ID PH09	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-8731/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8731/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1347-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1347-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 8737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Soluble	Solid	DI Leach	
890-1346-2	PH08	Soluble	Solid	DI Leach	
890-1346-3	PH09	Soluble	Solid	DI Leach	
MB 880-8737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1344-A-61-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1344-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 8836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-1	PH08	Soluble	Solid	300.0	8737
890-1346-2	PH08	Soluble	Solid	300.0	8737
890-1346-3	PH09	Soluble	Solid	300.0	8737
MB 880-8737/1-A	Method Blank	Soluble	Solid	300.0	8737
LCS 880-8737/2-A	Lab Control Sample	Soluble	Solid	300.0	8737
LCSD 880-8737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8737
890-1344-A-61-B MS	Matrix Spike	Soluble	Solid	300.0	8737
890-1344-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8737

QC Association Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

HPLC/IC

Analysis Batch: 8851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1346-4	PH09	Soluble	Solid	300.0	8731
MB 880-8731/1-A	Method Blank	Soluble	Solid	300.0	8731
LCS 880-8731/2-A	Lab Control Sample	Soluble	Solid	300.0	8731
LCSD 880-8731/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8731
890-1347-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	8731
890-1347-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8731

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Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1346-1 SDG: Eddy County

Lab Sample ID: 890-1346-1

Matrix: Solid

Client Sample ID: PH08 Date Collected: 09/30/21 10:55

Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8788	10/04/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8791	10/05/21 07:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8859	10/04/21 15:27	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 18:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		1			8836	10/05/21 11:47	CH	XEN MID

Client Sample ID: PH08 Lab Sample ID: 890-1346-2 Matrix: Solid

Date Collected: 09/30/21 11:05 Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8788	10/04/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8791	10/05/21 07:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8859	10/04/21 15:27	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		1			8836	10/05/21 11:52	CH	XEN MID

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Date Date

lient Sample ID: PH09	Lab Sample ID: 890-1346-3
ate Collected: 09/30/21 11:10	Matrix: Solid
ate Received: 10/01/21 09:47	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8788	10/04/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8791	10/05/21 07:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8859	10/04/21 15:27	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 19:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8737	10/01/21 12:19	CA	XEN MID
Soluble	Analysis	300.0		1			8836	10/05/21 11:58	CH	XEN MID

Client Sample ID: PH09 Lab Sample ID: 890-1346-4

Date Collected: 09/30/21 11:15 Date Received: 10/01/21 09:47

Released to Imaging: 3/14/2022 4:18:40 PM

Г										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8788	10/04/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8791	10/05/21 08:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8859	10/04/21 15:27	KL	XEN MID

Eurofins Xenco, Carlsbad

Page 18 of 26

Matrix: Solid

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Lab Chronicle

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

SDG: Eddy County

Client Sample ID: PH09

Lab Sample ID: 890-1346-4

Matrix: Solid

Date Collected: 09/30/21 11:15 Date Received: 10/01/21 09:47

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8871	10/05/21 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8731	10/01/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			8851	10/05/21 09:51	CH	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1346-1 Project/Site: East Pecos 22-5H

SDG: Eddy County

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes the agency does not of	' '	it the laboratory is not certifi	is not certified by the governing authority. This list may include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1346-1

SDG: Eddy County

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: East Pecos 22-5H

Job ID: 890-1346-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1346-1	PH08	Solid	09/30/21 10:55	10/01/21 09:47	1
890-1346-2	PH08	Solid	09/30/21 11:05	10/01/21 09:47	4
890-1346-3	PH09	Solid	09/30/21 11:10	10/01/21 09:47	1
890-1346-4	PH09	Solid	09/30/21 11:15	10/01/21 09:47	4

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing

eurofins

Xenco

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Chain of Custody

Revised Date: 08/25/2020 Rev. 2020.

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Superfund PST/UST TRRP LevelIV DI Water: H₂O NaOH: Na HNO 3: HN MeOH: Me NaOH+Ascorbic Acid: SAPC Sample Comments Preservative Codes Date/Time Zn Acetate+NaOH: Zn UST/PST PRP Brownfields RRC TI Sn U V Zn NaHSO 4: NABIS Na₂S₂O₃: NaSO Other: Hg: 1631 / 245.1 / 7470 / 7471 H₃PO₄: HP None: NO H2SO 4: H2 Page Cool: Cool Work Order Comments HCL: HC ADaPT Received by: (Signature) K Se Ag SiO₂ Na Sr www.xenco.com EDO State of Project: Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously regotiated. Deliverables: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni 890-1346 Chain of Custody TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U votice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Relinquished by: (Signature) ANALYSIS REQUEST Calshad, NM 88220 5315 Buck Vista Dr Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Ewsp. con INDX FORCE Jim Redey 159 A 300:00 15.1.01 (81208 BIEX(EPH Date/Time anna. byes (EPA BOIS MOU) HOL Pres. Code # of Cont Parameters Bill to: (if different) Sab Grab/ Comp Company Name NIMED City, State ZIP: TAT starts the day received by the lab, if received by 4:30pm 8 8 K 9 Rush Address: (Ye Depth **Turn Around** 7 1 Received by: (Signature) Email: Moutine Corrected Temperature: 1055 Due Date: Sampled Wet Ice: TIme 105 1115 Temperature Reading: 2 7972 Correction Factor: Thermometer ID: Joseph Hernandez 1/20/21 Street 16/08/8 1.80/21 1/35/121 Sampled Yes No Date 3 1251-124 (120) East Peros 22-5H Circle Method(s) and Metal(s) to be analyzed 31463360.010 nAPP2126345192 County Byers Matrix 0000 Temp Blank: Yes No (N) 200.8 / 6020: Midland (Yes) No ENSU OSM 3320 N Yes No Relinquished by: (Signature) Folder Annex Suen Sample Identification Samples Received Intact: Total 200.7 / 6010 Sample Custody Seals: Cooler Custody Seals: SAMPLE RECEIPT Chris otal Containers: Project Number: Project Location: sampler's Name: Project Manager ompany Name Project Name: City, State ZIP: PHOB PHOB PHERA PHTES Address: hone: :# 00

Chain of Custody Record

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				-			* × * ×	× ×	××	× ×	Solid Solid	ည္ တွ	11 10 Mountain 11 15	9/30/21		PH09 (890-1346-3) PH09 (890-1346-4)
							×	×	×	×	Solid	S	11 05 Mountain	9/30/21		PH08 (890-1346-2)
N. 10. 10. 200							×	×	×	×	Solid	S		9/30/21		PH08 (890-1346-1)
										X	ode:	O.	L	N		
Special Instructions/Note.	Total Number						Total_BTEX_GC	8021B/5035FP_0	8015MOD_NM/8	Perform MS/M 300_ORGFM_28	Matrix (W-water S=solid, O=wastefoli, including the state)	Sample (W=water Type (S=solid, (C=comp, O=wasteolid, G=grab) BT=Tissue, A=Air	Sample ((Sample Date)	Sample Identification - Client ID (Lab ID)
	Other:	ditale core					v	Calc B	015NM	100 m F 100 K S c	Samp			SSOW#	9	Site
Z other (specify)								TEX	I_S_Pr	atabunisa:	ie (Ye:			Project #: 88000203	. T	Project Name: East Pecos 22-5h
U - Acetone V MCAA	ر د	iden							ep Full	A SHORE SHO	s or No			WO#:	V	Email
S H2SO4 T TSP Dodecahydrate	G Amchlor H Ascorbic Acid								TPH	de	3) / 200			PO#:	71	Phone: 432-704-5440(TeI)
N None O AsNaO2 P Na2O4S Q Na2SO3	C Zn Acetate D Nitric Acid E NaHSO4	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								jare menarense sedentaliske sen						Midland State Zip TX 79701
-	A HOL	710	1		Requested	/sis Re	Analy	\downarrow			2		/s):	10/7/2021 TAT Requested (days):		1211 W Florida Ave, ,
des	Preservation Codes							l	cyclo	2	1			Due Date Requested		Address
	Job #:						note)	red (See	s Requi	Accreditations Required (See note) NELAP - Texas	A A CC					Company Eurofins Xenco
	Page Page 1 of 1			State of Origin New Mexico	State o		m	inset.c	@eurof	ramer(E-Mail: jessica kramer@eurofinset.com			Phone	-	Client Contact: Shipping/Receiving
	COC No: 890-440 1		(s)oN	Carrier Tracking No(s)	Carrie				w	Jessica	Kramer Jessica			Sampler		Client Information (Sub Contract Lab)
Environment Testing America	💸 eurofins									Örd	y Rec	Chain of Custody Record	hain of			Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1346-1

SDG Number: Eddy County

List Source: Eurofins Xenco, Carlsbad

Login Number: 1346 List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1346-1 SDG Number: Eddy County

List Source: Eurofins Xenco, Midland

List Creation: 10/04/21 09:22 AM

Login Number: 1346 List Number: 2

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 / 2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 85756

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	85756
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

-	Condition	Condition
Ву		Date
jnobui	Closure Report Approved. Please apply 19.15.29.13 NMAC when completing P&A at the site.	3/14/2022