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

1

Incident ID	NAPP2102229242
District RP	
Facility ID	
Application ID	

# **Release Notification**

#### **Responsible Party**

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD) NAPP2102229242
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

#### Location of Release Source

Longitude \_

-103.867961

Latitude 32.369261

(NAD 83 in decimal degrees to 5 decimal places)		
Site Name Legg Federal	Site Type Battery	_
Date Release Discovered 1-11-2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
В	27	228	30E	Eddy

Surface Owner: State X Federal Tribal Private (Name:

#### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls) .02	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

LO reported visual signs of a fire caused by a broken float on a heater treater. A third-party contractor has been retained for remediation activities.

Form C-141 Page 2	State of New Mexico Oil Conservation Division	Incident ID District RP Facility ID Application ID	NAPP2102229242
Was this a major	If YES, for what reason(s) does the responsible par	rty consider this a major release?	)

A release that results in a fire or is the result of a fire.

X Yes 🗌 No

release as defined by

19.15.29.7(A) NMAC?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Adrian Baker to Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; emily.hernandez@state.nm.us; BLM\_NM\_CFO\_Spill@blm.gov; Morgan, Crisha A on Tuesday, January 12, 2021 8:59 AM via email.

#### **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 $\boxtimes$  The source of the release has been stopped.

X The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

NA

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Littrell Signature: Kyle_Littrell@xtoenergy.com	Title:       Environmental Manager         Date:       1-21-21         Telephone:       432-221-7331
OCD Only Received by: Ramona Marcus	Date: 4/30/2021

Received by OCD: 4/9/2021 2:45:29 PM Form C-121 State of New Mexico

Page 3

Oil Conservation Division

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Incident ID	NAPP2102229242
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# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

#### Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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: 4/9/	2021 2:45:29 PM tota of Now Ma	wine		<b>Page 4 of 7</b>
Form C-141	State of New Mexico		Incident ID	NAPP2102229242
Page 4	Oil Conservation D	1V1S10n	District RP	
			Facility ID	
			Application ID	
I hereby certify that the regulations all operators public health or the environment of the envi	Information given above is true and comp are required to report and/or file certain is ronment. The acceptance of a C-141 rep estigate and remediate contamination that ce of a C-141 report does not relieve the <u>Kyle Littrell</u> <u>Kyle Littrell</u>	plete to the best of my knowled release notifications and perfor ort by the OCD does not reliev pose a threat to groundwater, operator of responsibility for c Title: <u>SHa</u> Date: Telephon	Ige and understand that put rm corrective actions for re         re the operator of liability s         surface water, human healt         ompliance with any other f <u>&amp;E Supervisor</u> e:(432)-221-7331_	suant to OCD rules and leases which may endanger hould their operations have h or the environment. In ederal, state, or local laws
OCD Only Received by:Rame	ona Marcus	Date:	4/30/2021	

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Oil Conservation Division

	<b>Page 5 of</b> 7
Incident ID	NAPP2102229242
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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.

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following	items must be included in the closure report.	
$\square$ A scaled site and sampling diagram as described in 19.15.29.	11 NMAC	
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office	
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
I hereby certify that the information given above is true and comple and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the O	ete to the best of my knowledge and understand that pursuant to OCD rules in release notifications and perform corrective actions for releases which f a C-141 report by the OCD does not relieve the operator of liability mediate contamination that pose a threat to groundwater, surface water, f a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.	
Printed Name: Kyle Littrell	Title:SH&E Supervisor	
Signature:	Date:	
email: <u>Kyle_Littrell@xtoenergy.com</u>	Telephone:432-221-7331	
OCD Only		
Received by: Ramona Marcus	Date: <u>4/30/2021</u>	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date: 06/07/2021	
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced	

WSP USA

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

March 31, 2021

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

#### RE: Closure Request Legg Federal Battery Incident Number NAPP2102229242 Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and excavation activities at the Legg Federal Battery (Site) in Unit B, Section 27, Township 22 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following a fire and crude oil release at the Site. Based on the excavation activities and laboratory analytical results for the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NAPP2102229242.

#### **RELEASE BACKGROUND**

On January 11, 2021, a lease operator noticed visual signs of a fire caused by a broken float on a heater treater, resulting in the release of 0.02 barrels (bbls) of crude oil onto the surface of the well pad. XTO reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD), then submitted a subsequent Release Notification Form C-141 on January 21, 2021. The release was assigned Incident Number NAPP2102229242.

#### SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03015, located approximately 0.36 miles northwest of the Site. The groundwater well was most recently measured in January 2004 and has a reported depth to groundwater of 262 feet bgs and a total depth of 1,316 feet bgs. Ground surface elevation at the groundwater well location is 3,284 feet above mean sea level (amsl), which is approximately 9 feet lower in elevation than the

# vsp

District II Page 2

Site. The next closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 322114103524801, located approximately 1.28 miles southwest of the Site. The groundwater well was most recently measured in February 1998 has a reported depth to groundwater of 155 feet bgs and a total depth of 248 feet bgs. Ground surface elevation at the groundwater well location is 3,163 feet amsl, which is approximately 130 feet lower in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater.

The closest continuously flowing or significant watercourse to the Site is a riverine located approximately 2,385 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

#### **CLOSURE CRITERIA**

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

#### SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On February 3, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected one preliminary assessment soil sample, SS01, within the release extent from a depth of approximately 0.5 feet bgs to assess the extent of impacted soil. The preliminary soil sample was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips, respectively. The release extent and preliminary soil sample location were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.



District II Page 3

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

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

#### **EXCAVATION SOIL SAMPLING ACTIVITIES**

On March 4, 2021, WSP personnel was at the Site to oversee site assessment and excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil sample. Excavation activities were performed using a hydrovac. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips, respectively.

Following removal of impacted soil, WSP collected one 5-point composite soil sample from the floor of the 75 square foot excavation. The 5-point composite sample was collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the sample by thoroughly mixing. Composite soil sample FS01 was collected from the floor of the excavation from a depth of 1-foot bgs. Based on the shallow depth of the excavation, floor sample FS01 was representative of the floor and sidewalls of the excavation. The excavation soil sample was collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample location are presented on Figure 2.

The excavation measured approximately 75 square feet. A total of approximately 3 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled with material purchased locally and recontoured the Site to match pre-existing site conditions. Photographic documentation was conducted during the Site visits. A photographic log is included as Attachments 2.

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#### SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil sample SS01 indicated that BTEX, TPH-GRO/TPH-DRO, and TPH concentrations exceeded the Closure Criteria. Laboratory analytical results for excavation floor sample FS01 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

#### **CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the January 11, 2021 fire and release of crude oil. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and XTO believe these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further action for Incident Number NAPP2102229242.

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

Sincerely,

WSP USA Inc.

pen L

Spencer Lo Staff Geologist

Ashley L. ager

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

cc: Kyle Littrell, XTO Bureau of Land Management

Attachments:

Figure 1Site Location MapFigure 2Preliminary Soil Sample Locations



District II Page 5

Figure 3Excavation Soil Sample LocationsTable 1Soil Analytical ResultsAttachment 1Referenced Well RecordsAttachment 2Photographic LogAttachment 3Laboratory Analytical Reports

# FIGUR



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#### Table 1

#### Soil Analytical Results Legg Federal Battery Fire Incident Number NAPP2102229242 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1000	2500	20000
Surface Samples										
SS01	02/03/2021	0.5	4.23	182	1,750	14,400	1,860	16,150	18,000	86.9
Excavation Floor Sa	mples									
FS01	03/04/2021	1	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	<5.02

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

**BOLD** - indicates results exceed the higher of the background sample result or applicable regulatory standard Greyed data represents samples that were excavated



# New Mexico Office of the State Engineer Point of Diversion Summary

			(quart	(quarters are 1=NW 2=NE 3=SW 4=SE)						
			(qua	(quarters are smallest to lar			argest) (NAD83 UTM in meters)			
Well Tag	POD	Number	Q64	Q16 Q	4 S	ec Tws	Rng	Х	Y	
_	C 03	3015	1	4	3 2	2 228	30E	606099	3582353*	9
x Driller Lic Driller Nat	ense: me:	331	Driller	Comp	any:	SB0 CO	Q2, LLO	C DBA STE	WART BRO	THERS DRILLING
Drill Start	Date:	01/21/2004	Drill F	'inish I	Date:	0	1/25/20	04 <b>P</b> I	ug Date:	
Log File D	ate:	03/04/2004	PCW	Rcv Da	te:			So	ource:	Artesian
Pump Typ	e:		Pipe D	ischar	ge Siz	ze:		Es	stimated Yie	ld:
Casing Siz	e:	6.00	Depth	Well:		1.	316 feet	t De	epth Water:	262 feet
x	Wate	r Bearing Stratif	ications:		Тор	Bottom	Desc	ription		
					362	385	5 Other	r/Unknown		
x		Casing Per	forations:		Тор	Bottom	ı			
					261	386	ō			
-										

\*UTM location was derived from PLSS - see Help

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

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer **Point of Diversion Summary**

	3 UTM in meters) X Y	4=SE) (NAD8: Rng	NE 3=SW to largest) to Tws	=NW 2= smallest <b>)4 Se</b>	arters are 1 arters are 4 016 (	(qua (qu <b>O6</b>	Number	ll Tag POD
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Shallow	Source:			ite:	/ Rev Da	PCW		g File Date:
29 GPM	Estimated Yield:		e:	ge Siz	Dischar	Pipe		mp Type:
155 feet	Depth Water:	8 feet	24	0	h Well:	Dept	8.75	sing Size:
	SENSUS	lake:	Meter M			552	Number:	Meter
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0				ms	А	3519	1999	12/31/1998
2.025				ms	А	10119	1999	06/30/1999
2.126				ms	А	17046	1999	09/30/1999
1.865				ms	А	23122	1999	01/12/2000
1.889				mb	А	29277	2000	03/31/2000
2.696				RPT	А	38063	2000	06/30/2000
2.345				RPT	А	45705	2000	09/30/2000
2.456				RPT	А	53709	2000	12/31/2000
2.524				RPT	А	61935	2001	03/31/2001
0.574				RPT	А	63804	2001	06/30/2001
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2.575				RPT	А	12315	2002	04/23/2002
0.079				rm	А	12571	2002	07/01/2002
0.666				RPT	А	14740	2002	01/01/2003
0				ab	A	14740	2003	01/01/2004
0				RPT	A	14740	2004	04/01/2004
0				RPT	A	14740	2004	10/30/2004
0				KPT DDT	A	147/40	2005	03/31/2005
U				KPT DDT	A	14740	2005	10/30/2005
U				KPT	A	14740	2005	12/31/2005
U				TW DDT	A	14/40	2006	0//0//2006
U				KPT	A	14/40	2006	11/01/2006
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03/31/2008	2008	14740	A	RPT		
00/30/2008	2008	14/40	A	КР І рот		
12/31/2008	2008	14740	A	KP I D DT		
02/21/2000	2008	14740	A			
05/31/2009	2009	14740	A			
00/30/2009	2009	14740	A	NF I D DT		
03/31/2009	2009	14740	A	KI I tw		
07/09/2010	2010	14740	Δ	RPT		
10/01/2010	2010	14740	Δ	RPT		
12/31/2010	2010	14740	Α	RPT		
03/30/2011	2011	14740	A	tw		
06/30/2011	2011	14740	A	RPT		
01/09/2012	2011	14740	A	RPT		
03/31/2012	2012	14740	A	RPT		
07/03/2012	2012	14740	A	RPT		
01/10/2013	2012	14740	А	RPT		
04/08/2013	2013	14740	А	RPT		
07/11/2013	2013	14740	А	RPT		
x	Amountar	Vear		<b>A</b>		
**YID Meter	AIIIOIIIIIS			Amount		
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**YTD Meter	Amounts:	1999 2000		6.016 9.386		
**YTD Meter	Amounts.	1999 2000 2001		6.016 9.386 15.410		
**YTD Meter	Amounts:	1999 2000 2001 2002		Amount 6.016 9.386 15.410 3.320		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003		Amount 6.016 9.386 15.410 3.320 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004		Amount 6.016 9.386 15.410 3.320 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005		Amount 6.016 9.386 15.410 3.320 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
**YTD Meter	Amounts:	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012		Amount 6.016 9.386 15.410 3.320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

\*UTM location was derived from PLSS - see Help

x

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POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer **Point of Diversion Summary**

		(qu (q	arters ar uarters a	e 1=NW 2 ire smalles	=NE 3=SW t to largest)	4=SE)	(NAD83 U	JTM in meters)	
ll Tag POD	Number	· Qe	54 Q16	5 Q4 Se	c Tws	Rng	X	Ŷ	
C 03	3679 POI	D1 1	4	2 14	4 24S	33E	603567	3581547 🌍	
iller License: iller Name:	1654	Drill	ler Co	mpany:	NOT ANI	WORI O CONS	KING FOI STRUC	R HIRESIRMA	AN DRILLING
ill Start Date:	10/23/2	013 <b>Dril</b>	l Finis	h Date:	10	/29/201	3 P	lug Date:	
g File Date:	11/07/2	013 PCV	V Rcv	Date:			S	ource:	Shallow
mp Type:		Pipe	Disch	arge Siz	æ:		Е	stimated Yield:	20 GPM
sing Size:	6.00	Dep	th Wel	l:	70	0 feet	D	epth Water:	575 feet
Wate	r Bearin	g Stratifications:		Тор	Bottom	Descr	iption		
				565	665	Sands	tone/Grave	el/Conglomerate	
	Cas	ing Perforations	:	Тор	Bottom				
		-		560	620				
				660	700				
Mete	r Numbe	<b>r:</b> 16576			Meter N	lake:	Ν	MASTERMETE	R
Mete	r Serial N	Number: 81125	24		Meter N	Iultipli	er: 1	00.0000	
Num	ber of Di	als: 6			Meter T	ype:	Ι	Diversion	
Unit	of Measu	re: Gallor	ıs		Return	Flow Pa	ercent:		
Usag	e Multipl	lier:			Reading	Frequ	ency:		
	gs (in Ac	 re-Feet)							
Read Date	Year	Mtr Reading	Flag	Rdr	Comme	nt		Mtr	Amount Onlir
03/01/2014	2014	29030	A	RPT					0
07/01/2014	2014	49261	А	RPT					6.209
10/01/2014	2014	68901	А	RPT					6.027
12/31/2014	2014	84036	А	RPT					4.645
02/01/2015	2015	89806	А	RPT					1.771
03/02/2015	2015	92350	А	RPT					0.781
04/01/2015	2015	96582	А	RPT					1.299
04/30/2015	2015	104711	А	RPT					2.495
05/31/2015	2015	111086	А	RPT					1.956
07/01/2015	2015	118700	А	RPT					2.337
08/01/2015	2015	123816	А	RPT					1.570
08/31/2015	2015	130025	А	RPT					1.905
10/01/2015	2015	135622	А	RPT					1.718
x **YTD Met	ter Amou	ints: Year		Amount	•				
		2014		16.881					
		2015		15.832					
		2010		10.002					

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POINT OF DIVERSION SUMMARY

•

# USGS 322111103542601 22S.30E.32.11144

#### Available data for this site

### Well Site

#### **DESCRIPTION:**

Latitude 32°21'11", Longitude 103°54'26" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 107 feet Land surface altitude: 3,022 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1959-02-19	1998-02-02	21
Revisions	Unavailable (	site:0) (timese	eries:0)

#### **OPERATION:**

# USGS 322111103542601 22S.30E.32.11144



# USGS 322114103524801 22S.30E.33.212243

#### Available data for this site

# Well Site

### **DESCRIPTION:**

Latitude 32°21'14", Longitude 103°52'48" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 248 feet Land surface altitude: 3,163 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1956-02-25	1998-02-02	15
Revisions	Unavailable (	site:0) (timese	eries:0)

### OPERATION:



# USGS 322114103524801 22S.30E.33.212243



# USGS 322144103545101 22S.30E.30.234431

#### Available data for this site

### **Well Site**

#### **DESCRIPTION:**

Latitude 32°21'44", Longitude 103°54'51" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 75 feet Land surface altitude: 3,021 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1948-12-17	1948-12-17	3
Revisions	Unavailable (	site:0) (timese	eries:0)

#### **OPERATION:**



# USGS 322144103545101 22S.30E.30.234431



# USGS 322215103502701 22S.30E.24.3334 P-14

#### Available data for this site

# **Well Site**

### **DESCRIPTION:**

Latitude 32°22'15", Longitude 103°50'27" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: not determined. Land surface altitude: 3,360 feet above NGVD29. Well completed in "Other aquifers" (N99990THER) national aquifer.

### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1977-02-24	1977-02-24	3
Field/Lab water-quality samples	1977-02-24	1977-03-14	2
Revisions	Unavailable (	site:0) (timese	eries:0)

### OPERATION:

#### Page 30 of 7

Received by OCD: 4/9/2021 2:45:29 PM

# USGS 322215103502701 22S.30E.24.3334 P-14



# USGS 322252103541401 22S.30E.20.12310

#### Available data for this site

### Well Site

#### **DESCRIPTION:**

Latitude 32°22'52", Longitude 103°54'14" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 129 feet Land surface altitude: 3,065 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1952-02-26	1959-02-19	6
Revisions	Unavailable (	site:0) (timese	eries:0)

#### **OPERATION:**

#### Page 32 of 79

Received by OCD: 4/9/2021 2:45:29 PM

# USGS 322252103541401 22S.30E.20.12310



# USGS 322418103523201 22S.30E.10.31131

#### Available data for this site

## Well Site

#### **DESCRIPTION:**

Latitude 32°24'18", Longitude 103°52'32" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 77 feet Land surface altitude: 3,133 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	<b>Begin Date</b>	End Date	Count
Field groundwater-level measurements	1948-12-23	1992-12-08	21
Field/Lab water-quality samples	1972-09-12	1972-09-12	1
<u>Revisions</u>	Unavailable (	site:0) (timese	eries:0)

#### **OPERATION:**

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# USGS 322418103523201 22S.30E.10.31131



# USGS 322426103540201 22S.30E.08.23311

#### Available data for this site

### Well Site

#### **DESCRIPTION:**

Latitude 32°24'26", Longitude 103°54'02" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 181 feet Land surface altitude: 3,152 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

#### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1949-05-18	1959-04-14	6
<u>Revisions</u>	Unavailable (	site:0) (timese	eries:0)

#### **OPERATION:**

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# USGS 322426103540201 22S.30E.08.23311


# USGS 322432103543301 22S.30E.07.242224

# Available data for this site

# Well Site

# **DESCRIPTION:**

Latitude 32°24'32", Longitude 103°54'33" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 176 feet Land surface altitude: 3,128 feet above NAVD88. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Rustler Formation" (312RSLR) local aquifer

# AVAILABLE DATA:

Data Type	Begin Date	End Date	Count	
Field groundwater-level measurements	1949-05-18	1998-01-28	18	
Revisions	Unavailable (site:0) (timeseries:			

# **OPERATION:**

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



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# wsp

	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	Legg Federal Battery Eddy County, New Mexico	TE012921023



Photo No.	Date	
2	March 3, 2021	
Northwestern v excava	view of hydrovac ted area.	

# wsp

PHOTOGRAPHIC LOG						
XTO Energy, Inc.	TE012921023					
	Eddy County, New Mexico					





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# 🔅 eurofins

# Environment Testing America

# **ANALYTICAL REPORT**

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

# Laboratory Job ID: 890-138-1

Laboratory Sample Delivery Group: CC: 1080971001 Client Project/Site: Legg Federal Battery Fire

# For:

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

Attn: Dan Moir

RAMER

Authorized for release by: 2/10/2021 6:20:06 PM

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

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

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

LINKS **Review your project** results through Total Access Have a Question? Ask-The

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-

Laboratory Job ID: 890-138-1 SDG: CC: 1080971001

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Eurofins Xenco, Carlsbad 2/10/2021

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire Page 45 of 79

Job ID: 890-138-1
SDG: CC: 1080971001

# Qualifiers

Quaimers		
GC VOA		
Qualifier	Qualifier Description	
<u>u</u>	Indicates the analyte was analyzed for but not detected	
	······································	E
GC Semi VO	A Overlifter Description	
Qualifier	Qualitier Description	
51+	Surrogate recovery exceeds control limits, nigh blased.	
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.	8
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

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4

5

# Job ID: 890-138-1

# Laboratory: Eurofins Xenco, Carlsbad

### Narrative

Job Narrative 890-138-1

## Receipt

The sample was received on 2/3/2021 2:55 PM; the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was  $1.2^{\circ}$ 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: 1-Chlorooctane surrogate recovery for the following sample was outside control limits: SS01 (890-138-1). 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.

## HPLC/IC

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

# **Client Sample Results**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

# Client Sample ID: SS01 Date Collected: 02/03/21 09:20 Date Received: 02/03/21 14:55

Method: 8021B - Volatil	e Organic Compo	unds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.23		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
Ethylbenzene	23.8		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
Toluene	51.2		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
Total BTEX	182		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
Xylenes, Total	103		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
m,p-Xylenes	76.4		2.02	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
o-Xylene	26.5		1.01	mg/Kg		02/03/21 20:01	02/05/21 04:14	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	94		70 - 130			02/03/21 20:01	02/05/21 04:14	500

70 - 130

## 4-Bromofluorobenzene (Surr)

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

94

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1750		499	mg/Kg		02/09/21 08:19	02/09/21 16:20	10
Total TPH	18000		499	mg/Kg		02/09/21 08:19	02/09/21 16:20	10
>C10-C28	14400		499	mg/Kg		02/09/21 08:19	02/09/21 16:20	10
>C28-C35	1860		499	mg/Kg		02/09/21 08:19	02/09/21 16:20	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 135			02/09/21 08:19	02/09/21 16:20	10

method: 500.0 - Amons, for Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	86.9	9.90	mg/Kg			02/04/21 20:02	1	

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500

Job ID: 890-138-1 SDG: CC: 1080971001

# Lab Sample ID: 890-138-1

02/03/21 20:01 02/05/21 04:14

Matrix: Solid

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# **Surrogate Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

# Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		Percent Surrogate Recovery (Acceptance Limits)					
		DFBZ1	BFB1				
Lab Sample ID	Client Sample ID	(70-130)	(70-130)				
890-135-A-8-B MS	Matrix Spike	93	96				
890-135-A-8-C MSD	Matrix Spike Duplicate	97	101				
890-138-1	SS01	94	94				
LCS 890-135/2-A	Lab Control Sample	94	95				
LCSD 890-135/3-A	Lab Control Sample Dup	96	94				
MB 890-135/1-A	Method Blank	99	100				

DFBZ = 1,4-Difluorobenzene

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid				Prep Type: Total/NA	
_			Pe	ercent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-135)	(70-135)		
890-138-1	SS01	152 S1+	122		
890-158-A-1-O MS	Matrix Spike	113	102		
890-158-A-1-P MSD	Matrix Spike Duplicate	114	102		
LCS 890-214/2-A	Lab Control Sample	108	98		
LCSD 890-214/3-A	Lab Control Sample Dup	101	91		
MB 890-214/1-A	Method Blank	91	89		

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-138-1 SDG: CC: 1080971001

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

Lab Sample ID: MB 890-135/1-A

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

### Matrix: Solid Prep Type: Total/NA **Analysis Batch: 146** Prep Batch: 135 MB MB Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 02/03/21 20:01 02/04/21 19:25 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 02/03/21 20:01 02/04/21 19:25 1 Toluene mg/Kg 02/03/21 20:01 02/04/21 19:25 <0.00200 U 0.00200 1 Total BTEX <0.00200 U 0.00200 mg/Kg 02/03/21 20:01 02/04/21 19:25 1 Xylenes, Total <0.00200 U 0.00200 mg/Kg 02/03/21 20:01 02/04/21 19:25 1 m,p-Xylenes <0.00400 U 0.00400 mg/Kg 02/03/21 20:01 02/04/21 19:25 1 <0.00200 U 0.00200 02/03/21 20:01 02/04/21 19:25 o-Xylene mg/Kg 1 MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1.4-Difluorobenzene 99 70 - 130 02/03/21 20:01 02/04/21 19:25 1 100 70 - 130 02/03/21 20:01 02/04/21 19:25 4-Bromofluorobenzene (Surr) 1

# Lab Sample ID: LCS 890-135/2-A Matrix: Solid Analysis Batch: 146

•	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09222		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09531		mg/Kg		95	71_129	
Toluene	0.100	0.09397		mg/Kg		94	70 - 130	
m,p-Xylenes	0.200	0.1855		mg/Kg		93	70 - 135	
o-Xylene	0.100	0.09259		mg/Kg		93	71 - 133	

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

## Lab Sample ID: LCSD 890-135/3-A Matrix: Solid Analysis Batch: 146

Analysis Daton. 140							110	Dato	1. 155
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09560		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.09322		mg/Kg		93	71 - 129	2	35
Toluene	0.100	0.09098		mg/Kg		91	70 - 130	3	35
m,p-Xylenes	0.200	0.1897		mg/Kg		95	70 - 135	2	35
o-Xylene	0.100	0.09249		mg/Kg		92	71 - 133	0	35

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

Lab Sample ID: 890-135-A-8 Matrix: Solid Analysis Batch: 146	3-B MS						CI	lient Sa	mple ID: I Prep Ty Prej	Matrix Spik pe: Total/N o Batch: 13	(e 1A 35
-	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202	U	0.0996	0.09744		mg/Kg		98	70 - 130		

Eurofins Xenco, Carlsbad

Job ID: 890-138-1 SDG: CC: 1080971001

**Client Sample ID: Method Blank** 

Client Sample ID: Lab Control Sample

Lub Control Cumpic	
Prep Type: Total/NA	
Prep Batch: 135	

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 135

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Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire Job ID: 890-138-1 SDG: CC: 1080971001

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

Matrix: Solid	A-8-B MS							CI	ient San	ple ID: M Prep Typ	atrix e: Tot Batch	Spike al/NA
Analyte	Sample Result	Sam Qua	iple lifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	Datci	1. 13.
Ethylbenzene	<0.00202	U		0.0996	0.09063		mg/Kg		91	71 - 129		
Toluene	< 0.00202	U		0.0996	0.09104		ma/Ka		91	70 - 130		
m.p-Xvlenes	< 0.00404	U		0.199	0.1803		ma/Ka		91	70 - 135		
o-Xylene	<0.00202	U		0.0996	0.09027		mg/Kg		91	71 - 133		
	MS	MS										
Surrogate	%Recovery	Qua	lifier	Limits								
1,4-Difluorobenzene	93			70 - 130								
4-Bromofluorobenzene (Surr)	96			70 - 130								
Lab Sample ID: 890-135-A Matrix: Solid	A-8-C MSD						Client	Samp	le ID: Ma	atrix Spike Prep Typ	e: Tot	licate al/NA
Analysis Batch: 146										Prep	Batch	า: 135
	Sample	Sam	ple	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qua	lifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00202	U		0.100	0.1038		mg/Kg		103	70 - 130	6	35
Ethylbenzene	<0.00202	U		0.100	0.1013		mg/Kg		101	71 - 129	11	35
Toluene	<0.00202	U		0.100	0.1027		mg/Kg		102	70 - 130	12	35
m,p-Xylenes	<0.00404	U		0.201	0.2042		mg/Kg		102	70 - 135	12	35
o-Xylene	<0.00202	U		0.100	0.1028		mg/Kg		102	71 - 133	13	35
•	MSD	MSE	)									
Burning and a		<i></i>	1.4									
		Qua	imer	Limits								
Surrogate 1,4-Difluorobenzene	97	Qua	imer	70 - 130								
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr)	97 101	Qua		<i>Limits</i> 70 - 130 70 - 130								
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) 	<u>97</u> 101 Diesel Rang	je C	Drganic	70 - 130 70 - 130 70 - 130	(GC)							
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2	Diesel Rang	Je C	Drganic	70 - 130 70 - 130 70 - 130	(GC)			Clie	ent Samp	ole ID: Me	thod	Blank
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid	Diesel Rang		Drganic	70 - 130 70 - 130 70 - 130	(GC)			Clie	ent Samp	ole ID: Me Prep Typ	thod e: Tot	Blank al/NA
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215	Diesel Rang		Drganic	70 - 130 70 - 130 70 - 130	(GC)			Clie	ent Samp	ole ID: Me Prep Typ Prep	thod e: Tot Batch	Blank al/NA
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215	Diesel Rang	Je C	Drganic	70 - 130 70 - 130 70 - 130	(GC)			Clie	ent Samp	ole ID: Me Prep Typ Prep	thod e: Tot Batch	Blank al/NA 1: 214
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte	Diesel Rang	MB sult	MB Qualifier	<u>Limits</u> 70 - 130 70 - 130 (S (DRO)	(GC)	Unit			ent Samp	ole ID: Me Prep Typ Prep Analyze	thod e: Tof Batch	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10	214/1-A	MB sult	Drganic MB Qualifier U	<u>Limits</u> 70 - 130 70 - 130 (S (DRO) (S (DRO) (S (DRO))	(GC)	<u>Unit</u>	<u>а</u>	Clie 0 P 02/0	ent Samp repared 9/21 08:19	Die ID: Me Prep Typ Prep Analyze 02/09/21 0	thod e: Tot Batch d 9:29	Blank al/NA 1: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vlethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH	- <u>//skecovery</u> 97 101 Diesel Rang 214/1-A 	MB sult 50.0	MB Qualifier U	<u>Limits</u> 70 - 130 70 - 130 (S (DRO) (S (DRO) (S (DRO) (S (DRO))	(GC)	Unit mg/K mg/K	<u>д</u> д	Clie 0 P 02/0 02/0	ent Samp repared 19/21 08:19 19/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28	97 97  Diesel Rang 214/1-A  	<b>MB</b> <b>sult</b> 50.0 50.0	MB Qualifier U U	Limits 70 - 130 70 - 130 (DRO) (S (DRO) (S (DRO) (S () 50. 50. 50.	(GC)	Unit mg/K mg/K mg/K	<u>с</u> д д д	Clie <b>P P</b> 02/0 02/0 02/0	ent Samp repared 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep Analyze 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29	Blank al/NA 1: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35	214/1-A Re: Control Control	<b>MB</b> <b>sult</b> 50.0 50.0 50.0	MB Qualifier U U U	Limits 70 - 130 70 - 130 (S (DRO) (S (DRO)	(GC)	Unit mg/K mg/K mg/K	а а а а	Clie <b>P</b> 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35	- <u>75866000479</u> 97 101 Diesel Rang 214/1-A 	MB sult 50.0 50.0 50.0 50.0 MB	MB Qualifier U U U W B Qualifier	Limits 70 - 130 70 - 130 <b>(s (DRO)</b> <b>(b)</b> <b>(b)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b>	(GC)	Unit mg/K mg/K mg/K	<u>р</u> д д д д д	Clic <b>P</b> 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Method: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate	214/1-A Recovery 97 101 Diesel Rang 214/1-A Recovery 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	<b>MB</b> <b>sult</b> 50.0 50.0 50.0 <b>MB</b> <b>rery</b>	MB Qualifier U U U MB Qualifier	Limits 70 - 130 70 - 130 <b>(DRO)</b> <b>(S (DRO)</b> <b>(</b> 50. 50. 50. 50. 50. 50. 50. 50.	(GC)	Unit mg/K mg/K mg/K	<u>р</u> д д д д	Clie P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep <u>Analyze</u> 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl	214/1-A Re:	MB sult 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.	MB Qualifier U U U U MB Qualifier	Limits 70 - 130 70 - 130 <b>(s (DRO)</b> <b>(b)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b> <b>(c)</b>	(GC)	Unit mg/K mg/K mg/K	<u>9</u> д д д	Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0	ent Samp repared 19/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batcl 9:29 9:29 9:29 9:29 9:29 9:29 9:29 9:2	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Method: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl	214/1-A Re: Control Control	<b>MB</b> <b>sult</b> 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.	MB Qualifier U U U MB Qualifier	Limits 70 - 130 70 - 130 (Constant) (C	(GC)	Unit mg/K mg/K mg/K	g g g	Clie P 02/0 02/0 02/0 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29 9:29	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 890-	214/1-A Res 214/1-A	MB           sult           50.0 </td <td>MB Qualifier U U U U MB Qualifier</td> <td>Limits 70 - 130 70 - 130 <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(</b></td> <td>(GC)</td> <td> <mark>Unit</mark> mg/K mg/K mg/K</td> <td>g g g g Clier</td> <td>Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0</td> <td>repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19</td> <td>Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0</td> <td>thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29 9:29 9:2</td> <td>Blank al/NA n: 214 Dil Fac</td>	MB Qualifier U U U U MB Qualifier	Limits 70 - 130 70 - 130 <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(C)</b> <b>(</b>	(GC)	<mark>Unit</mark> mg/K mg/K mg/K	g g g g Clier	Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29 9:29 9:2	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Method: 8015B NM - D Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 890- Matrix: Solid Analyte 215	- <u>////////////////////////////////////</u>	MB           sult           50.0           89	MB Qualifier U U U U MB Qualifier	Limits 70 - 130 70 - 130 <b>(S (DRO)</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>(</b>	(GC)	<mark>Unit</mark> mg/K mg/K mg/K	g g g g Clier	Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0	repared 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29 9:29 9:2	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Method: 8015B NM - C Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 890- Matrix: Solid Analysis Batch: 215	- <u>////////////////////////////////////</u>	MB sult 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.	MB Qualifier U U U U MB Qualifier	Limits 70 - 130 70 - 130 <b>(S (DRO)</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>()</b> <b>(</b>	(GC)	Unit mg/K mg/K mg/K	g g g g Clier	Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 02/0 01 Sai	ent Samp 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 9/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19 19/21 08:19	Die ID: Me Prep Typ Prep 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 Lab Cont Prep Typ	thod e: Tot Batcl 9:29 9:29 9:29 9:29 9:29 9:29 9:29 9:2	Blank al/NA n: 214 Dil Fac
Surrogate 1,4-Difluorobenzene 4-Bromofluorobenzene (Surr) Vethod: 8015B NM - C Lab Sample ID: MB 890-2 Matrix: Solid Analysis Batch: 215 Analyte C6-C10 Total TPH >C10-C28 >C28-C35 Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 890- Matrix: Solid Analysis Batch: 215 Analysis Batch: 215	214/1-A Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER Rea CENTER REA CENTER CENTER REA CENTER R	MB sult 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.	MB Qualifier U U U W MB Qualifier	Limits 70 - 130 70 - 130 <b>is (DRO)</b> <b>is (DRO)</b> <b>i</b>		LCS	g g g g Clier	Clie D P 02/0 02/0 02/0 02/0 02/0 02/0 nt Sai	ent Samp repared 19/21 08:19 19/21 08:19	Die ID: Me Prep Typ Prep <u>Analyze</u> 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 02/09/21 0 <u>Analyze</u> 02/09/21 0 <u>Lab Cont</u> Prep Typ Prep %Rec.	thod e: Tot Batch 9:29 9:29 9:29 9:29 9:29 9:29 9:29 rol Sa e: Tot Batch	Blank al/NA Dil Fac Dil Fac

70 - 135

101

>C10-C28

1012

mg/Kg

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

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

1 1	
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e 4 1	
	5
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4	8
D it	9
5 5	
e	13
4 4	

Lab Sample ID: LCS 890-2 <sup>-</sup> Matrix: Solid Analysis Batch: 215	14/2-A					Clien	t Sar	nple ID	: Lab Cor Prep Ty Prep	itrol Sa pe: Tot b Batch	mple al/NA i: 214
-	109	1.05									
Surrogate	%Pecoverv	Cualifior	Limite								
1-Chlorooctane	108	Quanner	70 - 135								
o-Terphenyl	98		70 - 135								
			/0-/00								
Lab Sample ID: LCSD 890-	214/3-A				C	lient Sar	nple	ID: Lat	<b>Control</b>	Sample	Dup
Matrix: Solid									Prep Ty	pe: Tot	al/NA
Analysis Batch: 215									Prep	b Batch	: 214
-			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C6-C10			1000	969.0		mg/Kg		97	70 - 135	5	25
>C10-C28			1000	977.0		mg/Kg		98	70 - 135	4	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	101		70 - 135								
o-Terphenyl	91		70 - 135								
- Lab Sample ID: 890-158-A-	1.0 MS						CI	iont Sa	mnlo ID: I	Matrix 9	Sniko
Matrix: Solid							01		Dron Tv	nau IX	al/NA
Analysis Ratch: 215									Prep Ty	pe. Tot	al/INA
Analysis Batch. 215	Samplo	Sampla	Spiko	МС	MS				% Poc	Daton	. 214
Analyto	Bocult	Ouglifier	Addad	Bocult	Qualifier	Unit	Б	% Pac	/inec.		
	<50.0		007	1020		ma/Ka		102	70 135		
Total TPH	<50.0	0	1000	2033		mg/Kg		102	70-155		
>C10 C28	<50.0	0	007	1013		mg/Kg		0	70 135		
2010-028	<50.0	0	997	1013		mg/Kg		90	70 - 155		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 135								
o-Terphenyl	102		70 - 135								
Lab Sample ID: 890-158-A- Matrix: Solid Analysis Batch: 215	1-P MSD					Client S	amp	le ID: N	latrix Spil Prep Ty Prer	ke Dupl pe: Tot	licate al/NA
Analysis Buton. 210	Sample	Sample	Spike	MSD	MSD				%Rec	Juion	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	р	%Rec	l imits	RPD	Limit
<u>C6-C10</u>	<50.0	<u>u</u> –	995	1068		ma/Ka		107	70 - 135	5	35
Total TPH	<50.0	Ū	1990	2118		ma/Ka		,		NC	
>C10-C28	<50.0	U	995	1050		ma/Ka		102	70 - 135	4	35
		-	500							·	
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 135								
o-Terphenyl	102		70 - 135								

Client: WSP USA Inc.

# **QC Sample Results**

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Job ID: 890-138-1 SDG: CC: 1080971001

**Client Sample ID: Method Blank** 

Project/Site: Legg Federal Battery Fire Mathadi 200 0 Ania .

Metho				
Lab S	ample ID: MB 890-14	42/1-A		

Matrix: Solid									Prep Ty	/pe: So	oluble
Analysis Batch: 150											
	MB	MB									
Analyte	Result	Qualifier		RL	Unit	D	P	repared	Analyz	ed	Dil Fac
Chloride	<10.0	U		10.0	mg/K	g			02/04/21	18:42	1
Lab Sample ID: LCS 890-142	2/2-A					Clien	t Sa	mple ID	: Lab Con	trol Sa	ample
Matrix: Solid									Prep Ty	/pe: So	oluble
Analysis Batch: 150										-	
-			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			500	504.8		mg/Kg		101	90 - 110		
Lab Sample ID: LCSD 890-1	42/3-A				C	Client Sar	nple	ID: Lab		Sample	e Dup
Matrix: Solid									Prep T	vpe: So	oluble
Analysis Batch: 150											
· ····· <b>,</b> ··· · ···			Spike	LCSD	LCSD				%Rec.		RPD
Analvte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			500	532.0		mg/Kg		106	90 - 110	5	20
_ I ah Sample ID: 890-136-A-1	3-R MS						C	liont Sa	mnle ID: I	latrix	Sniko
Matrix: Solid							Ŭ		Pron T	nati in	
Analysis Batch: 150									i ich ij	, pc. 00	Jubic
Analysis Daten. 150	Sample Sa	mnle	Snike	MS	MS				%Rec		
Analyte	Result Ou	alifier	babbA	Result	Qualifier	Unit	р	%Rec	l imits		
Chloride	31.5		503	573.2	quamer	mg/Kg		108	90 - 110		
Lab Sample ID: 890-136-A-1	3-C MSD					Client S	amp	ole ID: N	latrix Spil	<mark>e Dup</mark>	licate
Matrix: Solid									Prep Ty	/pe: So	oluble
Analysis Batch: 150											
	Sample Sa	mple	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result Qu	alifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	31.5		502	573.5		mg/Kg		108	90 - 110	0	20

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire Job ID: 890-138-1 SDG: CC: 1080971001

# GC VOA

# Prep Batch: 135

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-138-1	SS01	Total/NA	Solid	5030C	
MB 890-135/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-135/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-135/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-135-A-8-B MS	Matrix Spike	Total/NA	Solid	5030C	
890-135-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-138-1	SS01	Total/NA	Solid	8021B	135
MB 890-135/1-A	Method Blank	Total/NA	Solid	8021B	135
LCS 890-135/2-A	Lab Control Sample	Total/NA	Solid	8021B	135
LCSD 890-135/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135
890-135-A-8-B MS	Matrix Spike	Total/NA	Solid	8021B	135
890-135-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135

# GC Semi VOA

# Prep Batch: 214

Lab Sample ID 890-138-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 890-214/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-214/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-214/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-158-A-1-O MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-158-A-1-P MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

# Analysis Batch: 215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-138-1	SS01	Total/NA	Solid	8015B NM	214
MB 890-214/1-A	Method Blank	Total/NA	Solid	8015B NM	214
LCS 890-214/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	214
LCSD 890-214/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	214
890-158-A-1-O MS	Matrix Spike	Total/NA	Solid	8015B NM	214
890-158-A-1-P MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	214

# HPLC/IC

# Leach Batch: 142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-138-1	SS01	Soluble	Solid	DI Leach	
MB 890-142/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-142/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-142/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-136-A-13-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-136-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
Analysis Batch: 150					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-138-1	SS01	Soluble	Solid	300.0	142
MB 890-142/1-A	Method Blank	Soluble	Solid	300.0	142
LCS 890-142/2-A	Lab Control Sample	Soluble	Solid	300.0	142

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# Eurofins Xenco, Carlsbad

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

# HPLC/IC (Continued)

# **Analysis Batch: 150 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type Soluble	Matrix	Method 300.0	Prep Batch
890-136-A-13-B MS	Matrix Spike	Soluble	Solid	300.0	142
890-136-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	142

Job ID: 890-138-1 SDG: CC: 1080971001

Eurofins Xenco, Carlsbad

Client: WSP USA Inc.

5 6

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Job ID: 890-138-1 SDG: CC: 1080971001

Matrix: Solid

Lab Sample ID: 890-138-1

# Client Sample ID: SS01 Date Collected: 02/03/21 09:20 Date Received: 02/03/21 14:55

Project/Site: Legg Federal Battery Fire

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			135	02/03/21 20:01	MC	XC
Total/NA	Analysis	8021B		500	146	02/05/21 04:14	PXS	XC
Total/NA	Prep	8015NM Prep			214	02/09/21 08:19		XC
Total/NA	Analysis	8015B NM		10	215	02/09/21 16:20	BJH	XC
Soluble	Leach	DI Leach			142	02/04/21 09:16	MC	XC
Soluble	Analysis	300.0		1	150	02/04/21 20:02	A1S	XC

## Laboratory References:

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

Eurofins Xenco, Carlsbad

**Released to Imaging: 6/7/2021 11:22:37 AM** 

**Accreditation/Certification Summary** 

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire Job ID: 890-138-1 SDG: CC: 1080971001

# Laboratory: Eurofins Xenco, Carlsbad

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

Authority		Program	Identification Number	Expiration Date
ouisiana		NELAP	05092	06-30-21
The following analyte the agency does not o	s are included in this ro offer certification.	eport, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	>C10-C28	
8015B NM	8015NM Prep	Solid	>C28-C35	
8015B NM 8015B NM	8015NM Prep 8015NM Prep	Solid Solid	>C28-C35 Total TPH	

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Eurofins Xenco, Carlsbad

# **Method Summary**

# Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire

Job ID: 890-138-1 SDG: CC: 1080971001

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
5030C	Purge and Trap	SW846	XC
8015NM Prep	Microextraction	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

### **Protocol References:**

ASTM = ASTM International

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

### Laboratory References:

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

# **Sample Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Fire Job ID: 890-138-1 SDG: CC: 1080971001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
890-138-1	SS01	Solid	02/03/21 09:20	02/03/21 14:55		4
						5
						8
						9
						12
						13

0	3 Gladita D(d)	Relinquished by: (Signature)	Notice: Signature of this document and relinquishment of of service. Xenco will be liable only for the cost of sampl of Xenco. A minimum charge of \$75.00 will be applied to	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be an						1000		Sample Identification Matrix	Sample Custody Seals: Yes Nd N/A	Cooler Custody Seals: Yes (No N/A	Received Intact: (Yes) No	Temperature (°C): )·4//.2	SAMPLE RECEIPT Temp Blank:	Sampler's Name: Elizabeth N	P.O. Number: Eddy Cou	Project Number: CC 1080971001	Project Name: Legg Federal B	Phone: (432) 236-3849	City, State ZIP: Midland, Tx 79705	Address: 3300 North A Street	Company Name: WSP USA Inc, Permian	Project Manager: Dan Moir	XENCO	
	m es	Received by: (Signature)	If samples constitutes a valid purchase order frought from the shall not assume any responsibility for a seach project and a charge of \$5 for each sample sample.	8RCRA 13PPM Texas alyzed TCLP/SPLP 6010. 8R						(, V V) LO 1.7 16H	12/21 0021 01 41	Date Time Depth Sampled Sampled	Total Containers:	Correction Factor:	FORMAJ	Thermometer ID	Yes No Wet Ice: Yes No	Naka Due Date:	unty Rush:	Routine X	Battery Fire Turn Around	Email: elizabeth.naka	City, State ZIF	Address:	n office Company Nar	Bill to: (if differe	Houston,TX (281) 240-4 Midland,TX (432-704-5 Hobbs,NM (575-392-7550) Phoenix	
σ	6 C 1/ 1 P. 50, 20	Date/Time Relinquished by:	In client company to Xenco, its affiliates and subcontractor any losses or expenses incurred by the client if such losses e submitted to Xenco, but not analyzed. These terms will be	11 Al Sb As Ba Be B Cd Ca Cr Co Cu CRA Sb As Ba Be Cd Cr Co Cu Pb M		Cold Cold	11/14- 11/1			7		Numbo TPH (El BTEX ( Chlorid	PA 8( EPA (	Co 015) 0=80 PA 3	ntai 021) 00.0	)	5				ANALYSIS	a@wsp.com, dan.moir@wsp.com	P: Carlsbad, NM 88220	522 West Mermond	me: XTO Energy	nt) Kyle Littrell	200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 5( 5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794 ;;AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa	Chain of Custody
		(Signature) Received by: (Signatur	<ul> <li>It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.</li> </ul>	ı Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Ni n Mo Ni Se Ag Ti U 163													SO-138 Chain of Custody			-	REQUEST	Deliverables: EDD ADaP1	Reporting:Level II Level III DFT/L	State of Project:	Program: UST/PSTRPrownfi	Work Order Co	09:3334 4-1296 <u>a.FL (813-620-2000) www.xenco.com</u>	Work Order No
Revised Date 051418 Rev 2018		e) Date/Time		a Sr TI Sn U V Zn 17/245.1/7470 /7471 : Hg				1001 + 40 801	cost ander -		A light to	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the							Work Order Notes	Utner:			elds [RC ]perfund	omments	Page of/	



# Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 138 List Number: 1 Creator: Clifton, Cloe

<6mm (1/4").

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

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Job Number: 890-138-1

SDG Number: CC: 1080971001 List Source: Eurofins Carlsbad

# 🔅 eurofins

# Environment Testing America

# **ANALYTICAL REPORT**

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

# Laboratory Job ID: 890-261-1

Laboratory Sample Delivery Group: TE012921023 Client Project/Site: Legg Federal Battery

# For:

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

Attn: Dan Moir

RAMER

Authorized for release by: 3/10/2021 8:46:35 PM

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

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

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

LINKS **Review your project** results through Total Access Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 6/7/2021 11:22:37 AM

Laboratory Job ID: 890-261-1 SDG: TE012921023

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2

Client: WSP U Project/Site: Lo

Percent Recovery

**Contains Free Liquid** 

**Colony Forming Unit** 

**Dilution Factor** 

Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

**Quality Control** 

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

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

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**Eurofins Carlsbad** 

**Subcontract** Qualifier F U Х

Glossary Abbreviation

¤

%R

CFL

CFU

CNF

DER Dil Fac

DL

DLC

EDL

LOD

LOQ

MCL

MDA MDC

MDL

ML MPN

MQL

NC

ND NEG

POS

PQL PRES

QC

RL

RER

RPD

TEF

TEQ

TNTC

DL, RA, RE, IN

Job ID: 890-261-1 SDG: TE012921023

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# Job ID: 890-261-1

# Laboratory: Eurofins Carlsbad

## Narrative

Job Narrative 890-261-1

## Receipt

The sample was received on 3/4/2021 3:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

# **Receipt Exceptions**

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-261-1).

# **Client Sample Results**

Client: WSP USA Inc. Project/Site: Legg Federal Battery

# Client Sample ID: FS01 Date Collected: 03/04/21 10:20 Date Received: 03/04/21 15:45

Method: BTEX 8021 - Ger	neral Subcontra	ct Method							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
m,p-Xylenes	<0.00403	U	0.00403		mg/kg		03/09/21 16:00	03/10/21 10:36	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
Toluene	<0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/09/21 16:00	03/10/21 10:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	95		70 - 130				03/09/21 16:00	03/10/21 10:36	1
4-Bromofluorobenzene	92		70 - 130				03/09/21 16:00	03/10/21 10:36	1
Method: CHLORIDE E300	) - General Subc	ontract Me	ethod						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/kg		03/08/21 13:10	03/08/21 17:04	1

_ Method: TPH 8015 NM MOD -	General S	ubcontract	t Method					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<49.9	U	49.9	mg/kg		03/06/21 10:00	03/06/21 20:30	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9	mg/kg	I	03/06/21 10:00	03/06/21 20:30	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9	mg/kg	I	03/06/21 10:00	03/06/21 20:30	1
Total TPH	<49.9	U	49.9	mg/kg	I	03/06/21 10:00	03/06/21 20:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 135			03/06/21 10:00	03/06/21 20:30	1
o-Terphenyl	80		70 - 135			03/06/21 10:00	03/06/21 20:30	1

# Job ID: 890-261-1 SDG: TE012921023

# Lab Sample ID: 890-261-1 Matrix: Solid

Client: WSP USA Inc.

890-261-1

Surrogate Legend 1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 890-261-1 SDG: TE012921023

# Project/Site: Legg Federal Battery

# Method: BTEX 8021 - General Subcontract Method Matrix: SOIL

FS01

Matrix: SOIL				Prep Type: Total/NA
Γ			Percent Surrogate R	ecovery (Acceptance Limits)
		BFB		
Lab Sample ID	Client Sample ID	(70-130)		
690554-005 S	Matrix Spike	105		
690554-005 SD	Matrix Spike Duplicate	109		
7722919-1-BKS	Lab Control Sample	106		
7722919-1-BLK	Method Blank	91		
7722919-1-BSD	Lab Control Sample Dup	110		
Surrogate Legend				
BFB = 4-Bromofluo	robenzene			_
Method: BTEX	8021 - General Subcont	ract Meth	od	
Matrix: Solid				Prep Type: Total/NA
			Percent Surrogate R	ecovery (Acceptance Limits)
		BFB	DFBZ	·····, ( ·····,
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-261-1	FS01	92	95	1
Surrogate Legend				1
BFB = 4-Bromofluo	robenzene			-
DFBZ = 1,4-Difluor	obenzene			
Method: TPH 8	015 NM MOD - General	Subcont	ract Method	
Matrix: Solid				Pren Type: Total/NA
			Percent Surrogate Re	ecovery (Acceptance Limits)
		1CO	ОТРН	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	

80

Client: WSP USA Inc. Project/Site: Legg Federal Battery

Lab Sample ID: 7722919-1-BLK

# Method: BTEX 8021 - General Subcontract Method

Matrix: SOIL Analysis Batch: 3153059							Pre	Prep Type: To p Batch: 3153	otal/NA 3059 P
······, ······	BLANK	BLANK							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/09/21 16:00	03/10/21 05:49	1
Ethylbenzene	<.002	U	.002		mg/kg		03/09/21 16:00	03/10/21 05:49	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/09/21 16:00	03/10/21 05:49	1
o-Xylene	<.002	U	.002		mg/kg		03/09/21 16:00	03/10/21 05:49	1
Toluene	<.002	U	.002		mg/kg		03/09/21 16:00	03/10/21 05:49	1
	BLANK	BLANK							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		70 - 130				03/09/21 16:00	03/10/21 05:49	1

## Lab Sample ID: 7722919-1-BKS Matrix: SOIL Analysis Batch: 3153059

Analysis Batch: 3153059						Pi	Prep Batch: 3153059_P %Rec.				
	Spike	LCS	LCS				%Rec.				
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits				
Benzene	.1	0.107		mg/kg		107	70 - 130				
Ethylbenzene	.1	0.0967		mg/kg		97	71 - 129				
m,p-Xylenes	.2	0.199		mg/kg		100	70 - 135				
o-Xylene	.1	0.103		mg/kg		103	71 - 133				
Toluene	.1	0.0984		mg/kg		98	70 - 130				

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	106		70 - 130

# Lab Sample ID: 7722919-1-BSD **Matrix: SOIL** Analysis Batch: 3153059

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	.1	0.108		mg/kg		108	70 - 130	1	35	
Ethylbenzene	.1	0.103		mg/kg		103	71 - 129	6	35	
m,p-Xylenes	.2	0.213		mg/kg		107	70 - 135	7	35	
o-Xylene	.1	0.110		mg/kg		110	71 - 133	7	35	
Toluene	.1	0.102		mg/kg		102	70 - 130	4	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	110		70 - 130

### Lab Sample ID: 690554-005 S Matrix: SOIL Analysia Rataby 2152050

Analysis Batch: 3153059								P	3153059_P	
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<.00199		.1	0.0899		mg/kg		90	70 - 130	
Ethylbenzene	<.00199		.1	0.0846		mg/kg		85	71 - 129	
m,p-Xylenes	<.00398		.2	0.174		mg/kg		87	70 - 135	
o-Xylene	<.00199		.1	0.0899		mg/kg		90	71 - 133	
Toluene	<.00199		.1	0.0843		mg/kg		84	70 - 130	

# **Eurofins Carlsbad**

**Client Sample ID: Method Blank** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 3153059\_P

**Client Sample ID: Matrix Spike** 

Prep Type: Total/NA

Limits

70 - 130

Client: WSP USA Inc. Project/Site: Legg Federal Battery

Lab Sample ID: 690554-005 S

Lab Sample ID: 690554-005 SD

Analysis Batch: 3153059

Matrix: SOIL

4-Bromofluorobenzene

**Matrix: SOIL** 

Surrogate

# Method: BTEX 8021 - General Subcontract Method (Continued)

MS MS %Recovery Qualifier

105

Analysis Batch: 3153059	Sample	Sample	Spike	MSD	MSD			P	rep Batch %Rec.	: 31530	) <mark>59_P</mark> RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<.00199		.0994	0.0614	XF	mg/kg		62	70 - 130	38	35
Ethylbenzene	<.00199		.0994	0.0628	Х	mg/kg		63	71 - 129	30	35
m,p-Xylenes	<.00398		.199	0.132	Х	mg/kg		66	70 - 135	27	35
o-Xylene	<.00199		.0994	0.0701		mg/kg		71	71 - 133	25	35
Toluene	<.00199		.0994	0.0601	Х	mg/kg		60	70 - 130	34	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene	109		70 - 130								
Method: CHLORIDE E3	00 - Gene	eral Subc	ontract	Method							
Lab Sample ID: 7722792-1-	-BLK						CI	ient Sam	ple ID: M	ethod	Blank
Matrix: SOIL									Prep Ty	pe: Tot	tal/NA
Analysis Batch: 3152923								P	rep Batch	: 31529	923_P
	BL	ANK BLANK									
Analyte	Re	esult Qualifie	r	RL	MDL Unit		D	Prepared	Analy	zed	Dil Fac
Chloride		<5 U		5	mg/k	g	03/	08/21 13:1	0 03/08/21	15:33	1
- Lab Sample ID: 7722792-1 <sup>,</sup>	-BKS					Clie	nt Sa	ample ID	: Lab Coi	ntrol Sa	ample
Matrix: SOIL									Prep Ty	pe: Tot	tal/NA
Analysis Batch: 3152923								P	rep Batch	: 31529	923 P
-			Spike	LCS	LCS				%Rec.		_
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	264		mg/kg		106	80 - 120		
- Lab Sample ID: 7722792-1-	-BSD					Client Sa	ample	e ID: Lat		Sample	e Dup
Matrix: SOIL									Prep Tv	pe: Tot	tal/NA
Analysis Batch: 3152923								P	ren Batch	31529	23 P
			Spike	LCSD	LCSD				%Rec.		RPD
Analvte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	264		mg/kg	=	106	80 - 120	0	20
 Lah Sample ID: 690562-00'	2 9							liont Sa	mole ID:	Matrix	Sniko
Matrix: SOII									Pren Tv	ne: Tot	al/NA
Analysis Batch: 3152023								P	ren Ratch	31520	223 P
Analysis Daton. 0132323	Sample	Sample	Snike	МС	MS			F1	%Rec	. 51523	/20_F
Analyte	Result	Qualifier	babb <b>A</b>	Result	Qualifier	Unit	п	%Rec	l imits		
								/01100			

7

Job ID: 890-261-1

SDG: TE012921023

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 3153059\_P

**Client Sample ID: Matrix Spike** 

**Client Sample ID: Matrix Spike Duplicate** 

Client: WSP USA Inc. Project/Site: Legg Federal Battery

# Job ID: 890-261-1

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SDG: TE012921023

# Method: CHLORIDE E300 - General Subcontract Method (Continued)

L ab Sample ID: 690562-002 SI	ח						Client	Sam	nle ID: N	Aatrix Sni	ke Dun	licate
Matrix: SOIL							onent	Jum		Prep Ty	pe: To	tal/NA
Analysis Batch: 3152923									Р	rep Batch	: 3152	923 P
	Sample	Sample	Spike		MSD	MSD				。 %Rec.		RPD
Analyte	Result	Qualifier	Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	<4.95		248		272		mg/kg		110	80 - 120	1	20
Lab Sample ID: 690577-039 S								C	lient Sa	mple ID:	Matrix	Spike
Matrix: SOIL										Prep Ty	pe: To	tal/NA
Analysis Batch: 3152923									P	rep Batch	: 31529	923_P
	Sample	Sample	Spike		MS	MS		_		%Rec.		
Analyte	Result	Qualifier	Added		Result	Qualifier	Unit		• <u>%Rec</u>	Limits		
Chloride	35.4		253		303		mg/kg		106	80 - 120		
Lab Sample ID: 690577-039 S	D						Client	Sam	ple ID: N	Aatrix Spi	ke Dup	licate
Analysis Batch: 3152923									Р	ren Batch	· 3152	923 P
Analysis Baten. 0102020	Sample	Sample	Spike		MSD	MSD				%Rec.		RPD
Analvte	Result	Qualifier	Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	35.4		253		310		mg/kg		109	80 - 120	2	20
Method: TPH 8015_NM_M	OD - 0	ieneral S	Subcont	ract	Meth	od						
Lab Sample ID: 7722754-1-BL	к							CI	ient San	nple ID: M	ethod	Blank
Matrix: SOIL									_	Prep ly	pe: Io	tal/NA
Analysis Batch: 3152851			7						Р	rep Batch	: 31528	851_P
A secol de	BL	ANK BLAN	K						<b>.</b>	<b>A</b>		D!! E
Diosol Bango Organico (DBO)	K						L	<b>)</b>	Prepareu		<u>2eu</u> _	
Casolino Pango Hydrocarbons (CPO)		<50 U		50		mg/k	4	03	/00/21 10.0 /06/21 10.0	0 03/00/21	11.44	1
Motor Oil Pange Hydrocarbons (MRO)		<50 U		50		mg/kg		03	/00/21 10.0 /06/21 10.0	0 03/00/21	11.44	1
		-00 0		50		mg/k	9	00	00/21 10.0	00/00/21	11.44	1
Lab Sample ID: 7722754-1-BK Matrix: SOII	S						Clie	nt Sa	ample IC	): Lab Coi Prep Ty	ntrol Sa	ample
Analysis Batch: 3152851									Р	ren Batch	3152	851 P
			Spike		LCS	LCS				%Rec.		
Analyte			Added		Result	Qualifier	Unit	C	%Rec	Limits		
Diesel Range Organics (DRO)			1000		942		mg/kg		94	70 - 135		
Gasoline Range Hydrocarbons			1000		975		mg/kg		98	70 - 135		
_(GRO)												
I ab Sample ID: 7722754-1-BS	п					· · · ·	liont Sa	mnl	a ID: I al		Sampl	
Matrix: SOII	0							mpi		Pren Tv	ne: To	tal/NΔ
Analysis Batch: 3152851									Р	ren Batch	3152	851 P
			Spike		LCSD	LCSD				%Rec.		RPD
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (DRO)			1000		990		mg/kg		99	70 - 135	5	20
Gasoline Range Hydrocarbons			1000		1020		mg/kg		102	70 - 135	5	20
_(GRO)												
Lab Sample ID: 690576-001 S								c	lient Sa	mple ID:	Matrix	Spike
Matrix: SOIL										Prep Ty	pe: To	tal/NA
Analysis Batch: 3152851									Р	rep Batch	: 31528	851_P
-	Sample	Sample	Spike		MS	MS				%Rec.		-
Analyte	Result	Qualifier	Added		Result	Qualifier	Unit	_ [	%Rec	Limits		
Diesel Range Organics (DRO)	<50		997		975		mg/kg		98	70 - 135		

**Eurofins Carlsbad** 

Client: WSP USA Inc. Project/Site: Legg Federal Battery Job ID: 890-261-1 SDG: TE012921023

# Method: TPH 8015\_NM\_MOD - General Subcontract Method (Continued)

Lab Sample ID: 690576-001 Matrix: SOIL Analysis Batch: 3152851	S Sample	Sample	Snike	MS	MS		CI	ient Sa Pi	mple ID: I Prep Ty rep Batch %Rec	Matrix ( pe: Tot : 31528	Spike al/NA 351_P
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Hydrocarbons (GRO)	<50		997	978		mg/kg		98	70 - 135		
Lab Sample ID: 690576-001 Matrix: SOIL	SD					Client S	Samp	le ID: N	latrix Spil Prep Ty	ce Dup pe: Tot	licate al/NA
Analysis Batch: 3152851								Pi	rep Batch	: 31528	851_P
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (DRO)	<50		999	1010		mg/kg		101	70 - 135	4	20
Gasoline Range Hydrocarbons	<50		999	1010		mg/kg		101	70 - 135	3	20

(GRO)

5

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Eurofins Carlsbad

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery

# Subcontract

# Analysis Batch: 3152851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-261-1	FS01	Total/NA	Solid	TPH	3152851_P	
				8015_NM_MOD		
7722754-1-BLK	Method Blank	Total/NA	SOIL	TPH	3152851_P	
				8015_NM_MOD		
7722754-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH	3152851_P	
				8015_NM_MOD		
7722754-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH	3152851_P	
				8015_NM_MOD		
690576-001 S	Matrix Spike	Total/NA	SOIL	TPH	3152851_P	
				8015_NM_MOD		
690576-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	TPH	3152851_P	
_				8015_NM_MOD		

# Analysis Batch: 3152923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-261-1	FS01	Total/NA	Solid	CHLORIDE E300	3152923_P	
7722792-1-BLK	Method Blank	Total/NA	SOIL	CHLORIDE E300	3152923_P	
7722792-1-BKS	Lab Control Sample	Total/NA	SOIL	CHLORIDE E300	3152923_P	
7722792-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	CHLORIDE E300	3152923_P	_
690562-002 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E300	3152923_P	
690562-002 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E300	3152923_P	
690577-039 S	Matrix Spike	Total/NA	SOIL	CHLORIDE E300	3152923_P	
690577-039 SD	Matrix Spike Duplicate	Total/NA	SOIL	CHLORIDE E300	3152923_P	

# Analysis Batch: 3153059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-261-1	FS01	Total/NA	Solid	BTEX 8021	3153059_P
7722919-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3153059_P
7722919-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3153059_P
7722919-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3153059_P
690554-005 S	Matrix Spike	Total/NA	SOIL	BTEX 8021	3153059_P
690554-005 SD	Matrix Spike Duplicate	Total/NA	SOIL	BTEX 8021	3153059_P

# Prep Batch: 3152851\_P

Lab Sample ID 890-261-1	Client Sample ID FS01	Prep Type Total/NA	Matrix Solid	Method SW8015P	Prep Batch
7722754-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722754-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7722754-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
690576-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
690576-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

# Prep Batch: 3152923\_P

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-261-1	FS01	Total/NA	Solid	E300P	
7722792-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7722792-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	

# **Eurofins Carlsbad**

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Job ID: 890-261-1 SDG: TE012921023

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery

# Subcontract (Continued)

# Prep Batch: 3152923\_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
7722792-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
690562-002 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
690562-002 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	
690577-039 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
690577-039 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

# Prep Batch: 3153059\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch 🥊
890-261-1	FS01	Total/NA	Solid	SW5035A	
7722919-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7722919-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7722919-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	
690554-005 S	Matrix Spike	Total/NA	SOIL	SW5035A	
690554-005 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW5035A	

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Job ID: 890-261-1 SDG: TE012921023
# Client Sample ID: FS01 Date Collected: 03/04/21 10:20 Date Received: 03/04/21 15:45

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	SW5035A		1	3153059_P	03/09/21 16:00		XM
Total/NA	Analysis	BTEX 8021		1	3153059	03/10/21 10:36	KTL	XM
Total/NA	Prep	E300P		1	3152923_P	03/08/21 13:10		XM
Total/NA	Analysis	CHLORIDE E300		1	3152923	03/08/21 17:04	CHE	XM
Total/NA	Prep	SW8015P		1	3152851_P	03/06/21 10:00		XM
Total/NA	Analysis	TPH 8015 NM MOD		1	3152851	03/06/21 20:30	ARM	XM

### Laboratory References:

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

Job ID: 890-261-1

# SDG: TE012921023

Matrix: Solid

**Eurofins Carlsbad** 

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Laboratory: Eurofins Midland

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

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

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Job ID: 890-261-1

SDG: TE012921023

**Eurofins Carlsbad** 

Job ID: 890-261-1 SDG: TE012921023

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

#### **Protocol References:**

None = None

## Laboratory References:

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

**Eurofins Carlsbad** 

# **Sample Summary**

Client: WSP USA Inc. Project/Site: Legg Federal Battery Job ID: 890-261-1 SDG: TE012921023

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
890-261-1	FS01	Solid	03/04/21 10:20	03/04/21 15:45		
						5
						8
						9
						12
						13

**Eurofins Carlsbad** 

5 3 7	Relinguished by: (Si	Notice: Signature of this docun of service. Xenco will be liable of Xenco. A minimum charge o	Total 200.7 / 6010 Circle Method(s) ar						/	FS01	Sample Identific:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone: (30;	City, State ZIP: Mid	Address: 330	Company Name: WS	Project Manager: Dar	X
	onature)	nent and relinquishment only for the cost of sam	200.8 / 6020: nd Metal(s) to be a				-			S	ation Matrix	Yes No NIA	Yes NA NIA	(Yes) No	1.2/1.0	Temp Blan	Spence		TE01292	Legg Federa	3) 887-2946	land, TX 79705	0 North A Street	ġ	Moir	NCO
Ice (Jit	Received by	of samples constitui ples and shall not as o each project and a	nalyzed T							3/4/2021	C Date Sampled	Total C	Correcti	17	The	C Vas No	r Lo		21023	al Battery						Hobbs,N
ten	r: (Signature)	tes a valid purchase o sume any responsib I charge of \$5 for eac	RA 13PPM TE			+				1020	Time De Sampled	ontainers:	ion Factor: -0	CM-00-	ermometer ID	Wet Ice: Tes	Due Date:	Rush:	Routine	Turn Aro	Email: Spencer	City, S	Addre	Comp	Bill to:	Houston,TX (281) Midland,TX (43) VI (575-392-7550)
Ś		order from client co ility for any losses ( h sample submitted	∍xas 11 Al SI I0: 8RCRA S					-		1-	pth Numb	er of	FC C	onta	line	No			<b>#</b>	und	r Lo@wsp com,Korey	tate ZIP: C	SS:	any Name: X	(if different) K	Ch; ) 240-4200 Dallas 2-704-5440) EL P ?hoenix,AZ (480-3
1.21 1530	ate/Time	mpany to Xenco, its or expenses incurred to Xenco, but not a	o As Ba Be E b As Ba Be o		01		2	-		×××	TPH (E BTEX ( Chloric	PA 8 EPA	015 0=8 PA	) 3021 300.	) 0)						.Kennedy@wsp.com.	arlsbad, NM 882;	104 East Green S	TO Energy	yle Littrell	ain of Cl ,,TX (214) 902-030 aso,TX (915)585-3 <u>35-0900) Atlanta C</u>
0 1 N	Relinguished by: (Sign	affillates and <u>subcontractors. It as</u> d by the client if such losses are du analyzed. These terms will be enforc	3 Cd Ca Cr Co Cu Fe I Cd Cr Co Cu Pb Mn M			K K							890-261 Chain							ANALYSIS REQU	Dan Moir@wsp.com	20	Street			<b>UStody</b> 0 San Antonio,TX (210) 509-333. 3443 Lubbock,TX (806)794-1296 3A (770-449-8800) Tampa,FL (8 <sup>-</sup>
	ature) R	signs standard terme e to circumstances be ad unless previously i	Pb Mg Mn Mo o Ni Se Ag Tl									-	of Custody				-			UEST	Deliverables:	Reporting:Leve	State of Pr	Program: UST		4 13-620-2000)
	eceived by: (Signatu	and conditions yond the control regotiated.	Ni K Se Ag SiO2 U 16:									_					-				EDD ADaP		oject:	7PST PRP Brown	Work Order C	Work Order No
Revised Date 051419 Rev. 2018 1	ire) Date/Time		Na Sr TI Sn U V Zn 31/245.1/7470 /7471 : Hg								Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the					Incident ID: NAPP2102229242	Cost Center: 1080971001	Work Order Notes	1 Other:			vfields CRC Duperfund	Comments	o:

3/10/2021

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Job Number: 890-261-1 SDG Number: TE012921023

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: WSP USA Inc.

## Login Number: 261 List Number: 1 Creator: Clifton, Cloe

<6mm (1/4").

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

Eurofins Carlsbad Released to Imaging: 6/7/2021 11:22:37 AM

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

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

District III

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

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

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

CONDITIONS
------------

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	23615
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date					
chensley	None	6/7/2021					

Action 23615

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