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

March 25, 2022

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

RE: Closure Request
MCA 372
Incident Number NAPP2201143682
Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of ConocoPhillips Company (COP), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the MCA 372 (Site) located in Unit M, Section 21, Township 17 South, Range 32 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil and produced water onto the lease road at the Site. Based on the excavation activities completed and soil sample analytical results, COP is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2201143682.

RELEASE BACKGROUND

On January 2, 2022, corrosion of a flowline resulted in the release of approximately 6.9 barrels (bbls) of produced water and 0.2 bbls of crude oil onto the lease road and adjacent pasture. A vacuum truck was dispatched to the Site but there were no free-standing fluids to recover. COP reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 18, 2022. The release was assigned Incident Number NAPP2201143682.

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 between 50-100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well RA-12521-POD1, located approximately 0.4 miles southeast of the Site. The groundwater well has a reported depth to groundwater of 92 feet bgs and a total depth of 105 feet bgs. All wells

used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is a freshwater pond, located approximately 1,962 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT AND EXCAVATION ACTIVITIES

On March 9, 2022, 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 twelve preliminary assessment soil samples (SS01 through SS12) within the release extent from a depth of 0.25 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2.

Field screening results for preliminary soil samples SS01 through SS12 indicated that chloride concentrations were elevated within the release extent. Based on visible staining in the release area and field screening results for the preliminary soil samples, excavation activities were warranted.

On March 18, 2022, WSP personnel returned to the Site to oversee excavation activities as indicated by surficial staining in the release footprint and field screening results for the

preliminary soil samples. Excavation activities were performed using a backhoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to an approximate depth of 1-foot bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor samples FS01 through FS12 were collected from the floor of the excavation at a depth of 1-foot bgs. Due to the shallow depth of the excavation, the floor samples are also representative of the excavation sidewalls. The excavation extent and excavation soil sample locations are presented on Figure 2. Photographic documentation is included in Attachment 2.

The excavation floor soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in 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.

The excavation area measured approximately 2,466 square feet. A total of approximately 91 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at R360 disposal facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples FS01 through FS12, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 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 2, 2022 release of crude oil and produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample

analytical results, no further remediation was required. COP backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at the Site. Depth to groundwater is estimated to be between 50-100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and COP believe these remedial actions are protective of human health, the environment, and groundwater. As such, COP respectfully requests no further action for Incident Number NAPP2201143682. The final Form C-141 is included in Attachment 4.

Sincerely,

WSP USA Inc.

Hadlie Green
Assistant Consultant, Geologist

Aimee Cole
Sr. Consultant, Environmental Scientist

cc: Rahul Kaushik, ConocoPhillips Company

Attachments:

Figure 1	Site Location Map
Figure 2	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Record
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports
Attachment 4	Final C-141

FIGURES

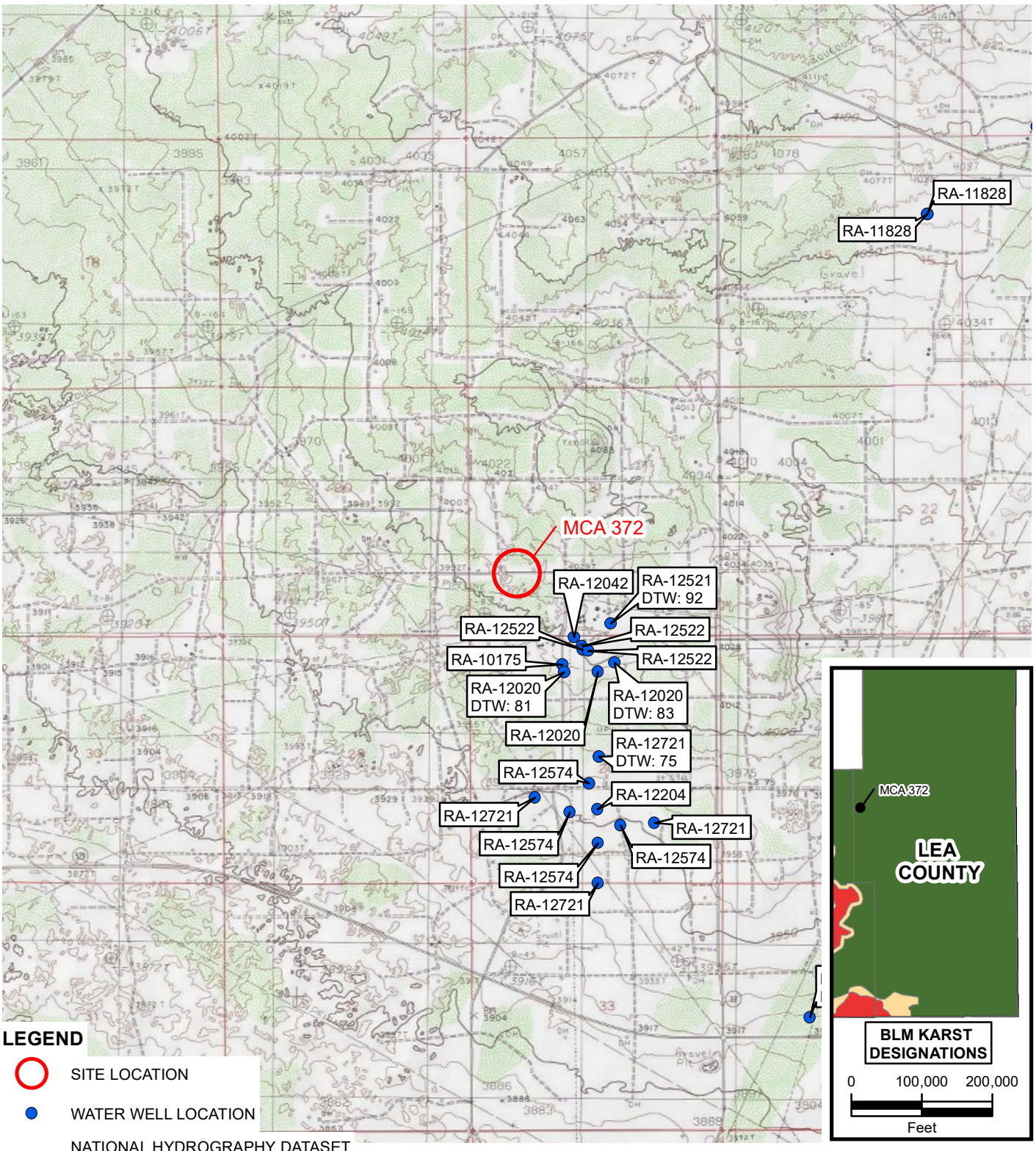

FIGURE 1
SITE LOCATION MAP
MCA 372
UNIT M SEC 21 T17S R32E
LEA COUNTY, NEW MEXICO
CONOCOPHILLIPS COMPANY

P:\Concho Operating\GIS\31403720.000.42_MCA 372\MXD\31403720.000.42_FIG01_SL_RECEPTOR_2022.mxd

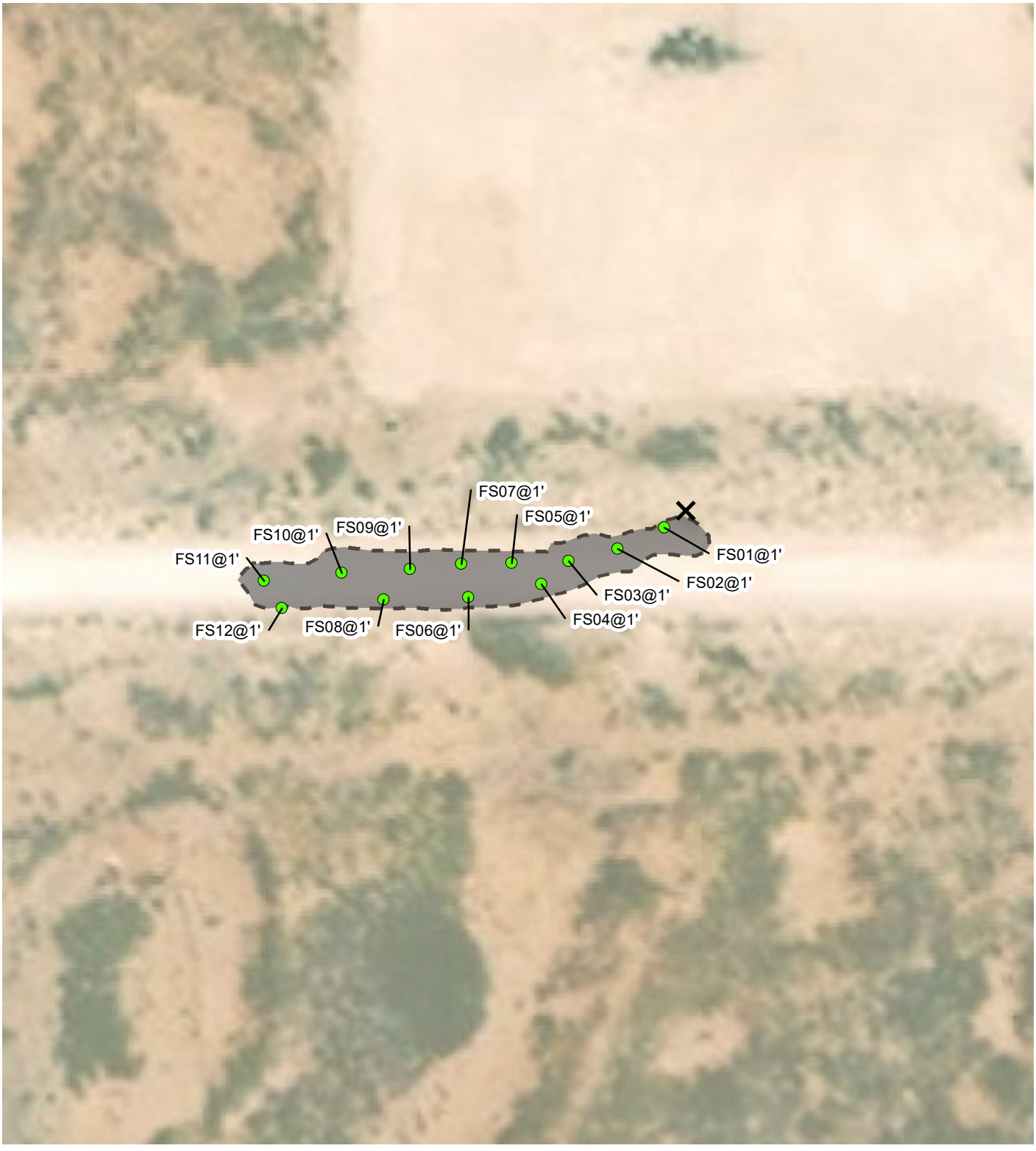

IMAGE COURTESY OF ESRI

LEGEND

- RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT

0 50 100
Feet

N

NOTE: INCIDENT NUMBER NAPP2201143682
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
EXCAVATION SOIL SAMPLE LOCATIONS
MCA 372
UNIT M SEC 21 T17S R32E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\Concho Operating\GIS\31403720.000.42_MCA 372\MXD\31403720.000.42_FIG02_EXCAVATION_2022.mxd

TABLES

Table 1

Soil Analytical Results
MCA 372
Incident Number NAPP2201143682
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Samples										
FS01	03/18/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	94.8
FS02	03/18/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	68.7
FS03	03/18/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.4
FS04	03/18/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	33.8
FS05	03/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	162
FS06	03/18/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	52.1
FS07	03/18/2022	1	<0.00200	<0.00401	72.3	<50.0	<50.0	72.3	72.3	159
FS08	03/18/2022	1	<0.00199	<0.00398	82.7	<50.0	<50.0	82.7	82.7	167
FS09	03/18/2022	1	<0.00201	<0.00402	43.3	<49.9	<49.9	43.3	43.3	191
FS10	03/18/2022	1	<0.00202	<0.00404	73.7	<49.9	<49.9	73.7	73.7	228
FS11	03/18/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	224
FS12	03/18/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	122

Notes:

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - 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

ATTACHMENT 1: REFERENCED WELL RECORD

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 12521 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: PHILLIPS 66

Contact: BECKY HESSLEN

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	609310	EXPL	2017-06-30	PMT	LOG	RA 12521 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 12521 POD1		Shallow	3	3	4	21	17S	32E	615127	3631271	MW-24

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 12521 POD1	3	3	4	21	17S	32E	615127	3631271

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: WHITE, JOHN W

Drill Start Date: 07/21/2017 **Drill Finish Date:** 07/26/2017 **Plug Date:**

Log File Date: 08/22/2017 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 2.00 **Depth Well:** 105 feet **Depth Water:** 92 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	101	Sandstone/Gravel/Conglomerate
	101	105	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	75	105

National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

Data Category: Site Information GO | Geographic Area: United States GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

USGS 324954103420301 17S.33E.18.322332

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:
Latitude 32°49'59", Longitude 103°42'15" NAD27
Lea County, New Mexico , Hydrologic Unit 13060011
Well depth: 220 feet
Land surface altitude: 4,224.00 feet above NGVD29.
Well completed in "High Plains aquifer" (N100HGHPLN) national aquifer.
Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1961-03-13	1986-03-26	4
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

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

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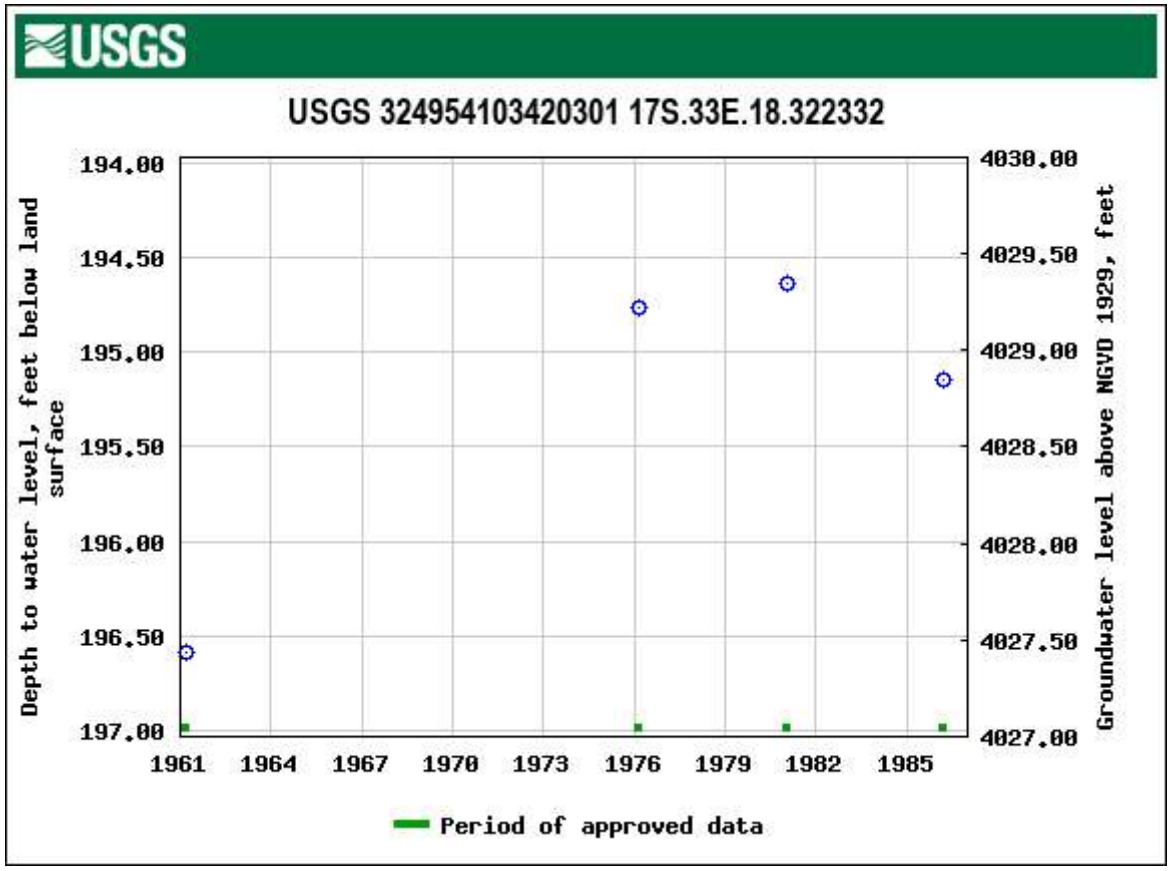
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: NWIS Site Information for USA: Site Inventory
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324954103420301

Page Contact Information: New Mexico Water Data Support Team
Page Last Modified: 2022-02-23 14:15:33 EST
0.26 0.25 caww02


USGS
USGS 324954103420301 17S.33E.18.322332
Depth to water level, feet below land surface
194.00
194.50
195.00
195.50
196.00
196.50
197.00
Groundwater level above NGVD 1929, feet
4030.00
4029.50
4029.00
4028.50
4028.00
4027.50
4027.00
1961
1964
1967
1970
1973
1976
1979
1982
1985
Period of approved data

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
ConocoPhillips Company	MCA 372 Lea County, New Mexico	NAPP2201143682

Photo No.	Date
1	March 9, 2022

Photo taken during initial site assessment of release extent.

Photo No.	Date
2	March 9, 2022

Photo taken during initial site assessment of release extent.

PHOTOGRAPHIC LOG		
ConocoPhillips Company	MCA 372 Lea County, New Mexico	NAPP2201143682

Photo No.	Date
3	March 18, 2022

Photo of excavation completed.

Photo No.	Date
4	March 18, 2022

Photo of excavation completed.

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2113-1
Laboratory Sample Delivery Group: 31403720.000 TASK 42.02
Client Project/Site: MCA 372

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/23/2022 3:02:44 PM

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

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

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

Client: WSP USA Inc.
Project/Site: MCA 372

Laboratory Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2113-1
Project/Site: MCA 372 SDG: 31403720.000 TASK 42.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Job ID: 890-2113-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2113-1

Receipt
The samples were received on 3/21/2022 8:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22009 and analytical batch 880-22109 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21824 and analytical batch 880-22110 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-22118/3-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS01

Lab Sample ID: 890-2113-1
Matrix: Solid
Date Collected: 03/18/22 13:55
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/22/22 07:30	03/22/22 14:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/22/22 07:30	03/22/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:08*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.8**		4.98		mg/Kg			03/22/22 17:28	1

Client Sample ID: FS02

Lab Sample ID: 890-2113-2
Matrix: Solid
Date Collected: 03/18/22 09:55
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/22/22 07:30	03/22/22 14:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/22/22 07:30	03/22/22 14:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/22/22 07:30	03/22/22 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:35*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS02

Date Collected: 03/18/22 09:55
Date Received: 03/21/22 08:08
Sample Depth: 1

Lab Sample ID: 890-2113-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/22/22 08:37	03/22/22 14:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/22/22 08:37	03/22/22 14:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/22/22 08:37	03/22/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:28*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.7**		4.99	mg/Kg			03/22/22 17:36	1

Client Sample ID: FS03

Date Collected: 03/18/22 10:30
Date Received: 03/21/22 08:08
Sample Depth: 1

Lab Sample ID: 890-2113-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/22/22 07:30	03/22/22 14:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/22/22 07:30	03/22/22 14:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/22/22 07:30	03/22/22 14:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/22/22 07:30	03/22/22 14:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/22/22 07:30	03/22/22 14:55	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/22/22 07:30	03/22/22 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:55*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/22/22 07:30*	*03/22/22 14:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/23/22 12:18	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS03

Lab Sample ID: 890-2113-3
Matrix: Solid
Date Collected: 03/18/22 10:30
Date Received: 03/21/22 08:08
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:48*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/22/22 08:37*	*03/22/22 14:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.4**		5.00		mg/Kg			03/22/22 17:45	1

Client Sample ID: FS04

Lab Sample ID: 890-2113-4
Matrix: Solid
Date Collected: 03/18/22 10:35
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 14:15	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:15*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:08*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:08*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS04

Lab Sample ID: 890-2113-4
Matrix: Solid
Date Collected: 03/18/22 10:35
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		4.98		mg/Kg			03/22/22 18:12	1

Client Sample ID: FS05

Lab Sample ID: 890-2113-5
Matrix: Solid
Date Collected: 03/18/22 10:40
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/22/22 08:30	03/22/22 14:35	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/22/22 08:30	03/22/22 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:35*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/22/22 08:37	03/22/22 15:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/22/22 08:37	03/22/22 15:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/22/22 08:37	03/22/22 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:28*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.01		mg/Kg			03/22/22 18:21	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS06

Lab Sample ID: 890-2113-6
Matrix: Solid
Date Collected: 03/18/22 11:20
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/22/22 08:30	03/22/22 14:56	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		03/22/22 08:30	03/22/22 14:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/22/22 08:30	03/22/22 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/22/22 08:30*	*03/22/22 14:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:49*	*1*
o-Terphenyl	*87*		*70 - 130*	*03/22/22 08:37*	*03/22/22 15:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.1**		4.97		mg/Kg			03/22/22 18:30	1

Client Sample ID: FS07

Lab Sample ID: 890-2113-7
Matrix: Solid
Date Collected: 03/18/22 12:30
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 15:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 15:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 15:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/22/22 08:30	03/22/22 15:16	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		03/22/22 08:30	03/22/22 15:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/22/22 08:30	03/22/22 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:16*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS07

Lab Sample ID: 890-2113-7
Matrix: Solid
Date Collected: 03/18/22 12:30
Date Received: 03/21/22 08:08
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**72.3**		50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 14:08	1
Diesel Range Organics (Over C10-C28)	**72.3**		50.0		mg/Kg		03/22/22 08:40	03/22/22 14:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:08*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		4.98		mg/Kg			03/22/22 18:38	1

Client Sample ID: FS08

Lab Sample ID: 890-2113-8
Matrix: Solid
Date Collected: 03/18/22 12:35
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 15:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 15:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 15:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/22/22 08:30	03/22/22 15:37	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		03/22/22 08:30	03/22/22 15:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/22/22 08:30	03/22/22 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**82.7**		50.0		mg/Kg			03/23/22 12:18	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS08

Lab Sample ID: 890-2113-8
Matrix: Solid
Date Collected: 03/18/22 12:35
Date Received: 03/21/22 08:08
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 14:28	1
Diesel Range Organics (Over C10-C28)	**82.7**		50.0		mg/Kg		03/22/22 08:40	03/22/22 14:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:28*	*1*
o-Terphenyl	*83*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		4.95		mg/Kg			03/22/22 18:47	1

Client Sample ID: FS09

Lab Sample ID: 890-2113-9
Matrix: Solid
Date Collected: 03/18/22 12:40
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/22/22 08:30	03/22/22 15:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/22/22 08:30	03/22/22 15:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/22/22 08:30	03/22/22 15:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/22/22 08:30	03/22/22 15:57	1
o-Xylene	<0.00201	U *1	0.00201		mg/Kg		03/22/22 08:30	03/22/22 15:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/22/22 08:30	03/22/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:57*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/22/22 08:30*	*03/22/22 15:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**43.3**		49.9		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/22/22 08:40	03/22/22 14:48	1
Diesel Range Organics (Over C10-C28)	**43.3**		49.9		mg/Kg		03/22/22 08:40	03/22/22 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/22/22 08:40	03/22/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:48*	*1*
o-Terphenyl	*99*		*70 - 130*	*03/22/22 08:40*	*03/22/22 14:48*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS09

Lab Sample ID: 890-2113-9
Matrix: Solid
Date Collected: 03/18/22 12:40
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		4.99		mg/Kg			03/22/22 19:14	1

Client Sample ID: FS10

Lab Sample ID: 890-2113-10
Matrix: Solid
Date Collected: 03/18/22 13:40
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/22/22 08:30	03/22/22 16:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/22/22 08:30	03/22/22 16:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/22/22 08:30	03/22/22 16:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/22/22 08:30	03/22/22 16:17	1
o-Xylene	<0.00202	U *1	0.00202		mg/Kg		03/22/22 08:30	03/22/22 16:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/22/22 08:30	03/22/22 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:17*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**73.7**		49.9		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/22/22 08:40	03/22/22 15:08	1
Diesel Range Organics (Over C10-C28)	**73.7**		49.9		mg/Kg		03/22/22 08:40	03/22/22 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/22/22 08:40	03/22/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:08*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		5.01		mg/Kg			03/22/22 19:23	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS11

Lab Sample ID: 890-2113-11
Matrix: Solid
Date Collected: 03/18/22 13:50
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 16:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 16:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 16:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 16:38	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		03/22/22 08:30	03/22/22 16:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:38*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:28*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**224**		4.98		mg/Kg			03/22/22 19:31	1

Client Sample ID: FS12

Lab Sample ID: 890-2113-12
Matrix: Solid
Date Collected: 03/18/22 13:55
Date Received: 03/21/22 08:08
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 16:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 16:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/22/22 08:30	03/22/22 16:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/22/22 08:30	03/22/22 16:58	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		03/22/22 08:30	03/22/22 16:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/22/22 08:30	03/22/22 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:58*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS12

Date Collected: 03/18/22 13:55
Date Received: 03/21/22 08:08
Sample Depth: 1

Lab Sample ID: 890-2113-12

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/22/22 08:30*	*03/22/22 16:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/22/22 16:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:40	03/22/22 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:49*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/22/22 08:40*	*03/22/22 15:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		4.99		mg/Kg			03/22/22 19:40	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12580-A-1-J MS	Matrix Spike	104	113
880-12580-A-1-K MSD	Matrix Spike Duplicate	105	111
880-12580-A-2-F MS	Matrix Spike	107	100
880-12580-A-2-G MSD	Matrix Spike Duplicate	115	101
890-2113-1	FS01	105	109
890-2113-2	FS02	102	109
890-2113-3	FS03	104	109
890-2113-4	FS04	99	92
890-2113-5	FS05	111	103
890-2113-6	FS06	123	97
890-2113-7	FS07	110	90
890-2113-8	FS08	115	99
890-2113-9	FS09	107	103
890-2113-10	FS10	113	103
890-2113-11	FS11	110	105
890-2113-12	FS12	119	95
LCS 880-21824/1-A	Lab Control Sample	66 S1-	82
LCS 880-22009/1-A	Lab Control Sample	102	111
LCSD 880-21824/2-A	Lab Control Sample Dup	98	101
LCSD 880-22009/2-A	Lab Control Sample Dup	101	110
MB 880-21824/5-A	Method Blank	97	100
MB 880-22009/5-A	Method Blank	101	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12698-A-1-D MS	Matrix Spike	99	90
880-12698-A-1-E MSD	Matrix Spike Duplicate	99	90
880-12699-A-1-D MS	Matrix Spike	108	88
880-12699-A-1-E MSD	Matrix Spike Duplicate	93	76
890-2113-1	FS01	110	107
890-2113-2	FS02	103	101
890-2113-3	FS03	91	88
890-2113-4	FS04	93	93
890-2113-5	FS05	105	104
890-2113-6	FS06	89	87
890-2113-7	FS07	90	84
890-2113-8	FS08	92	83
890-2113-9	FS09	108	99
890-2113-10	FS10	100	93
890-2113-11	FS11	93	90
890-2113-12	FS12	95	92
LCS 880-22118/2-A	Lab Control Sample	108	113

Surrogate Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-22119/2-A	Lab Control Sample	121	114								
LCSD 880-22118/3-A	Lab Control Sample Dup	125	133 S1+								
LCSD 880-22119/3-A	Lab Control Sample Dup	120	111								
MB 880-22118/1-A	Method Blank	93	98								
MB 880-22119/1-A	Method Blank	107	112								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21824/5-A
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21824

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/22/22 08:30*	*03/22/22 11:48*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/22/22 08:30*	*03/22/22 11:48*	*1*

Lab Sample ID: LCS 880-21824/1-A
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21824

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09232		mg/Kg		92	70 - 130		
Toluene			0.100	0.07065		mg/Kg		71	70 - 130		
Ethylbenzene			0.100	0.07639		mg/Kg		76	70 - 130		
m-Xylene & p-Xylene			0.200	0.1613		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.07659		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 880-21824/2-A
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21824

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09025		mg/Kg		90	70 - 130	2	35
Toluene			0.100	0.09279		mg/Kg		93	70 - 130	27	35
Ethylbenzene			0.100	0.09629		mg/Kg		96	70 - 130	23	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	34	35
o-Xylene			0.100	0.1104	*1	mg/Kg		110	70 - 130	36	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-12580-A-2-F MS
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F1	0.101	0.05117	F1	mg/Kg		51	70 - 130		
Toluene	<0.00198	U F1	0.101	0.04128	F1	mg/Kg		40	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Lab Sample ID: 880-12580-A-2-F MS
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U F1	0.101	0.02784	F1	mg/Kg		26	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.06306	F1	mg/Kg		31	70 - 130
o-Xylene	<0.00198	U F1 *1	0.101	0.03119	F1	mg/Kg		30	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-12580-A-2-G MSD
Matrix: Solid
Analysis Batch: 22110

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0998	0.04373	F1	mg/Kg		44	70 - 130	16	35
Toluene	<0.00198	U F1	0.0998	0.03568	F1	mg/Kg		34	70 - 130	15	35
Ethylbenzene	<0.00198	U F1	0.0998	0.02372	F1	mg/Kg		22	70 - 130	16	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.05318	F1	mg/Kg		27	70 - 130	17	35
o-Xylene	<0.00198	U F1 *1	0.0998	0.02713	F1	mg/Kg		26	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-22009/5-A
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 22009

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 07:30	03/22/22 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/22 07:30	03/22/22 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/22 07:30	03/22/22 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/22/22 07:30*	*03/22/22 12:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/22/22 07:30*	*03/22/22 12:55*	*1*

Lab Sample ID: LCS 880-22009/1-A
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22009

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.1000		mg/Kg		100	70 - 130
Toluene			0.100	0.09951		mg/Kg		100	70 - 130
Ethylbenzene			0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene			0.200	0.2100		mg/Kg		105	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Lab Sample ID: LCS 880-22009/1-A
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22009

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.1026		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-22009/2-A
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22009

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09667		mg/Kg		97	70 - 130	3	35
Toluene			0.100	0.09516		mg/Kg		95	70 - 130	4	35
Ethylbenzene			0.100	0.09655		mg/Kg		97	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1996		mg/Kg		100	70 - 130	5	35
o-Xylene			0.100	0.09811		mg/Kg		98	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-12580-A-1-J MS
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F1	0.0998	0.06350	F1	mg/Kg		64	70 - 130		
Toluene	<0.00198	U F1	0.0998	0.04705	F1	mg/Kg		47	70 - 130		
Ethylbenzene	<0.00198	U F1	0.0998	0.03427	F1	mg/Kg		34	70 - 130		
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.06798	F1	mg/Kg		33	70 - 130		
o-Xylene	<0.00198	U F1	0.0998	0.03381	F1	mg/Kg		33	70 - 130		

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

Lab Sample ID: 880-12580-A-1-K MSD
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0990	0.05763	F1	mg/Kg		58	70 - 130	10	35
Toluene	<0.00198	U F1	0.0990	0.05221	F1	mg/Kg		52	70 - 130	10	35
Ethylbenzene	<0.00198	U F1	0.0990	0.04620	F1	mg/Kg		46	70 - 130	30	35
m-Xylene & p-Xylene	<0.00397	U F1	0.198	0.09579	F1	mg/Kg		48	70 - 130	34	35
o-Xylene	<0.00198	U F1	0.0990	0.04725	F1	mg/Kg		47	70 - 130	33	35

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Lab Sample ID: 880-12580-A-1-K MSD
Matrix: Solid
Analysis Batch: 22109

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22009

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-22118/1-A
Matrix: Solid
Analysis Batch: 22112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 22118

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 10:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 10:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/22/22 08:37	03/22/22 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	03/22/22 08:37	03/22/22 10:58	1
o-Terphenyl	98		70 - 130	03/22/22 08:37	03/22/22 10:58	1

Lab Sample ID: LCS 880-22118/2-A
Matrix: Solid
Analysis Batch: 22112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22118

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	985.6		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1101		mg/Kg		110	70 - 130		

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

Lab Sample ID: LCSD 880-22118/3-A
Matrix: Solid
Analysis Batch: 22112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22118

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1058		mg/Kg		106	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1284		mg/Kg		128	70 - 130	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	133	S1+	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Lab Sample ID: 880-12698-A-1-D MS
Matrix: Solid
Analysis Batch: 22112

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1149		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1090		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 880-12698-A-1-E MSD
Matrix: Solid
Analysis Batch: 22112

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1181		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1098		mg/Kg		108	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: MB 880-22119/1-A
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 22119

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/22/22 08:40	03/22/22 10:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/22/22 08:40	03/22/22 10:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/22/22 08:40	03/22/22 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*03/22/22 08:40*	*03/22/22 10:58*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/22/22 08:40*	*03/22/22 10:58*	*1*

Lab Sample ID: LCS 880-22119/2-A
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	949.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1206		mg/Kg		121	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Lab Sample ID: LCS 880-22119/2-A
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-22119/3-A
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22119

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	871.9		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1154		mg/Kg		115	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-12699-A-1-D MS
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1048		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1016		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-12699-A-1-E MSD
Matrix: Solid
Analysis Batch: 22114

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	897.5		mg/Kg		90	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	877.6		mg/Kg		84	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22084/1-A
Matrix: Solid
Analysis Batch: 22140

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/22/22 14:49	1

Lab Sample ID: LCS 880-22084/2-A
Matrix: Solid
Analysis Batch: 22140

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	267.6		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-22084/3-A
Matrix: Solid
Analysis Batch: 22140

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	268.8		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-2113-3 MS
Matrix: Solid
Analysis Batch: 22140

Client Sample ID: FS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	69.4		250	325.3		mg/Kg		102	90 - 110		

Lab Sample ID: 890-2113-3 MSD
Matrix: Solid
Analysis Batch: 22140

Client Sample ID: FS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	69.4		250	327.0		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

GC VOA

Prep Batch: 21824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-4	FS04	Total/NA	Solid	5035	
890-2113-5	FS05	Total/NA	Solid	5035	
890-2113-6	FS06	Total/NA	Solid	5035	
890-2113-7	FS07	Total/NA	Solid	5035	
890-2113-8	FS08	Total/NA	Solid	5035	
890-2113-9	FS09	Total/NA	Solid	5035	
890-2113-10	FS10	Total/NA	Solid	5035	
890-2113-11	FS11	Total/NA	Solid	5035	
890-2113-12	FS12	Total/NA	Solid	5035	
MB 880-21824/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21824/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21824/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12580-A-2-F MS	Matrix Spike	Total/NA	Solid	5035	
880-12580-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 22009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	5035	
890-2113-2	FS02	Total/NA	Solid	5035	
890-2113-3	FS03	Total/NA	Solid	5035	
MB 880-22009/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22009/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22009/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12580-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
880-12580-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 22109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	8021B	22009
890-2113-2	FS02	Total/NA	Solid	8021B	22009
890-2113-3	FS03	Total/NA	Solid	8021B	22009
MB 880-22009/5-A	Method Blank	Total/NA	Solid	8021B	22009
LCS 880-22009/1-A	Lab Control Sample	Total/NA	Solid	8021B	22009
LCSD 880-22009/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22009
880-12580-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	22009
880-12580-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	22009

Analysis Batch: 22110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-4	FS04	Total/NA	Solid	8021B	21824
890-2113-5	FS05	Total/NA	Solid	8021B	21824
890-2113-6	FS06	Total/NA	Solid	8021B	21824
890-2113-7	FS07	Total/NA	Solid	8021B	21824
890-2113-8	FS08	Total/NA	Solid	8021B	21824
890-2113-9	FS09	Total/NA	Solid	8021B	21824
890-2113-10	FS10	Total/NA	Solid	8021B	21824
890-2113-11	FS11	Total/NA	Solid	8021B	21824
890-2113-12	FS12	Total/NA	Solid	8021B	21824
MB 880-21824/5-A	Method Blank	Total/NA	Solid	8021B	21824
LCS 880-21824/1-A	Lab Control Sample	Total/NA	Solid	8021B	21824
LCSD 880-21824/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21824

QC Association Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

GC VOA (Continued)

Analysis Batch: 22110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12580-A-2-F MS	Matrix Spike	Total/NA	Solid	8021B	21824
880-12580-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21824

Analysis Batch: 22169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	Total BTEX	
890-2113-2	FS02	Total/NA	Solid	Total BTEX	
890-2113-3	FS03	Total/NA	Solid	Total BTEX	
890-2113-4	FS04	Total/NA	Solid	Total BTEX	
890-2113-5	FS05	Total/NA	Solid	Total BTEX	
890-2113-6	FS06	Total/NA	Solid	Total BTEX	
890-2113-7	FS07	Total/NA	Solid	Total BTEX	
890-2113-8	FS08	Total/NA	Solid	Total BTEX	
890-2113-9	FS09	Total/NA	Solid	Total BTEX	
890-2113-10	FS10	Total/NA	Solid	Total BTEX	
890-2113-11	FS11	Total/NA	Solid	Total BTEX	
890-2113-12	FS12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 22112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	8015B NM	22118
890-2113-2	FS02	Total/NA	Solid	8015B NM	22118
890-2113-3	FS03	Total/NA	Solid	8015B NM	22118
890-2113-4	FS04	Total/NA	Solid	8015B NM	22118
890-2113-5	FS05	Total/NA	Solid	8015B NM	22118
890-2113-6	FS06	Total/NA	Solid	8015B NM	22118
MB 880-22118/1-A	Method Blank	Total/NA	Solid	8015B NM	22118
LCS 880-22118/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22118
LCSD 880-22118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22118
880-12698-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	22118
880-12698-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22118

Analysis Batch: 22114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-7	FS07	Total/NA	Solid	8015B NM	22119
890-2113-8	FS08	Total/NA	Solid	8015B NM	22119
890-2113-9	FS09	Total/NA	Solid	8015B NM	22119
890-2113-10	FS10	Total/NA	Solid	8015B NM	22119
890-2113-11	FS11	Total/NA	Solid	8015B NM	22119
890-2113-12	FS12	Total/NA	Solid	8015B NM	22119
MB 880-22119/1-A	Method Blank	Total/NA	Solid	8015B NM	22119
LCS 880-22119/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22119
LCSD 880-22119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22119
880-12699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	22119
880-12699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22119

Prep Batch: 22118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

GC Semi VOA (Continued)

Prep Batch: 22118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-2	FS02	Total/NA	Solid	8015NM Prep	
890-2113-3	FS03	Total/NA	Solid	8015NM Prep	
890-2113-4	FS04	Total/NA	Solid	8015NM Prep	
890-2113-5	FS05	Total/NA	Solid	8015NM Prep	
890-2113-6	FS06	Total/NA	Solid	8015NM Prep	
MB 880-22118/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22118/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12698-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12698-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 22119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-7	FS07	Total/NA	Solid	8015NM Prep	
890-2113-8	FS08	Total/NA	Solid	8015NM Prep	
890-2113-9	FS09	Total/NA	Solid	8015NM Prep	
890-2113-10	FS10	Total/NA	Solid	8015NM Prep	
890-2113-11	FS11	Total/NA	Solid	8015NM Prep	
890-2113-12	FS12	Total/NA	Solid	8015NM Prep	
MB 880-22119/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22119/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 22196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Total/NA	Solid	8015 NM	
890-2113-2	FS02	Total/NA	Solid	8015 NM	
890-2113-3	FS03	Total/NA	Solid	8015 NM	
890-2113-4	FS04	Total/NA	Solid	8015 NM	
890-2113-5	FS05	Total/NA	Solid	8015 NM	
890-2113-6	FS06	Total/NA	Solid	8015 NM	
890-2113-7	FS07	Total/NA	Solid	8015 NM	
890-2113-8	FS08	Total/NA	Solid	8015 NM	
890-2113-9	FS09	Total/NA	Solid	8015 NM	
890-2113-10	FS10	Total/NA	Solid	8015 NM	
890-2113-11	FS11	Total/NA	Solid	8015 NM	
890-2113-12	FS12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Soluble	Solid	DI Leach	
890-2113-2	FS02	Soluble	Solid	DI Leach	
890-2113-3	FS03	Soluble	Solid	DI Leach	
890-2113-4	FS04	Soluble	Solid	DI Leach	
890-2113-5	FS05	Soluble	Solid	DI Leach	
890-2113-6	FS06	Soluble	Solid	DI Leach	
890-2113-7	FS07	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

HPLC/IC (Continued)

Leach Batch: 22084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-8	FS08	Soluble	Solid	DI Leach	
890-2113-9	FS09	Soluble	Solid	DI Leach	
890-2113-10	FS10	Soluble	Solid	DI Leach	
890-2113-11	FS11	Soluble	Solid	DI Leach	
890-2113-12	FS12	Soluble	Solid	DI Leach	
MB 880-22084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2113-3 MS	FS03	Soluble	Solid	DI Leach	
890-2113-3 MSD	FS03	Soluble	Solid	DI Leach	

Analysis Batch: 22140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2113-1	FS01	Soluble	Solid	300.0	22084
890-2113-2	FS02	Soluble	Solid	300.0	22084
890-2113-3	FS03	Soluble	Solid	300.0	22084
890-2113-4	FS04	Soluble	Solid	300.0	22084
890-2113-5	FS05	Soluble	Solid	300.0	22084
890-2113-6	FS06	Soluble	Solid	300.0	22084
890-2113-7	FS07	Soluble	Solid	300.0	22084
890-2113-8	FS08	Soluble	Solid	300.0	22084
890-2113-9	FS09	Soluble	Solid	300.0	22084
890-2113-10	FS10	Soluble	Solid	300.0	22084
890-2113-11	FS11	Soluble	Solid	300.0	22084
890-2113-12	FS12	Soluble	Solid	300.0	22084
MB 880-22084/1-A	Method Blank	Soluble	Solid	300.0	22084
LCS 880-22084/2-A	Lab Control Sample	Soluble	Solid	300.0	22084
LCSD 880-22084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22084
890-2113-3 MS	FS03	Soluble	Solid	300.0	22084
890-2113-3 MSD	FS03	Soluble	Solid	300.0	22084

Lab Chronicle

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS01
Date Collected: 03/18/22 13:55
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 14:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 17:28	CH	XEN MID

Client Sample ID: FS02
Date Collected: 03/18/22 09:55
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 14:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 17:36	CH	XEN MID

Client Sample ID: FS03
Date Collected: 03/18/22 10:30
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 14:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 17:45	CH	XEN MID

Client Sample ID: FS04
Date Collected: 03/18/22 10:35
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 14:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS04
Date Collected: 03/18/22 10:35
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 18:12	CH	XEN MID

Client Sample ID: FS05
Date Collected: 03/18/22 10:40
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 14:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 15:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 18:21	CH	XEN MID

Client Sample ID: FS06
Date Collected: 03/18/22 11:20
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 14:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 15:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 18:30	CH	XEN MID

Client Sample ID: FS07
Date Collected: 03/18/22 12:30
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 15:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 14:08	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS07
Date Collected: 03/18/22 12:30
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 18:38	CH	XEN MID

Client Sample ID: FS08
Date Collected: 03/18/22 12:35
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 15:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 18:47	CH	XEN MID

Client Sample ID: FS09
Date Collected: 03/18/22 12:40
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 15:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 19:14	CH	XEN MID

Client Sample ID: FS10
Date Collected: 03/18/22 13:40
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 16:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 19:23	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Client Sample ID: FS11

Date Collected: 03/18/22 13:50
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 16:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 15:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 19:31	CH	XEN MID

Client Sample ID: FS12

Date Collected: 03/18/22 13:55
Date Received: 03/21/22 08:08

Lab Sample ID: 890-2113-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21824	03/22/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22110	03/22/22 16:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22169	03/22/22 16:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22196	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 15:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		1			22140	03/22/22 19:40	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: MCA 372

Job ID: 890-2113-1
SDG: 31403720.000 TASK 42.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2113-1	FS01	Solid	03/18/22 13:55	03/21/22 08:08	1
890-2113-2	FS02	Solid	03/18/22 09:55	03/21/22 08:08	1
890-2113-3	FS03	Solid	03/18/22 10:30	03/21/22 08:08	1
890-2113-4	FS04	Solid	03/18/22 10:35	03/21/22 08:08	1
890-2113-5	FS05	Solid	03/18/22 10:40	03/21/22 08:08	1
890-2113-6	FS06	Solid	03/18/22 11:20	03/21/22 08:08	1
890-2113-7	FS07	Solid	03/18/22 12:30	03/21/22 08:08	1
890-2113-8	FS08	Solid	03/18/22 12:35	03/21/22 08:08	1
890-2113-9	FS09	Solid	03/18/22 12:40	03/21/22 08:08	1
890-2113-10	FS10	Solid	03/18/22 13:40	03/21/22 08:08	1
890-2113-11	FS11	Solid	03/18/22 13:50	03/21/22 08:08	1
890-2113-12	FS12	Solid	03/18/22 13:55	03/21/22 08:08	1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	33000 North A Street
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	432 704 5178	Email:	Kalei.Jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MCA 372	Turn Around	
Project Number:	31403720.000 Task 42.02	Routine ☐	
P.O. Number:		Rush: 24 hr	
Sampler's Name:	Mercy Rotich.	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	4.6 / 4.4	Thermometer ID	T-NM-007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

890-2113 Chain of Custody

Work Order Notes

API: 30-025-00615

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS01	S	03/18/22	13:55	1'	1	X	X	X	Discrete
FS02	S	03/18/22	9:55	1'	1	X	X	X	Discrete
FS03	S	03/18/22	10:30	1'	1	X	X	X	Discrete
FS04	S	03/18/22	10:35	1'	1	X	X	X	Discrete
FS05	S	03/18/22	10:40	1'	1	X	X	X	Discrete
FS06	S	03/18/22	11:20	1'	1	X	X	X	Discrete
FS07	S	03/18/22	12:30	1'	1	X	X	X	Discrete
FS08	S	03/18/22	12:35	1'	1	X	X	X	Discrete
FS09	S	03/18/22	12:40	1'	1	X	X	X	Discrete
FS10	S	03/18/22	13:40	1'	1	X	X	X	Discrete

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/24/22 8:08	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	33000 North A Street
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	432 704 5178	Email:	Kalei.Jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MCA 372	Turn Around	
Project Number:	31403720.000 Task 42.02	Routine ☐	
P.O. Number:		Rush: 24 hr.	
Sampler's Name:	Mercy Rotich.	Due Date:	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS11	S	03/18/22	13:50	1'	1	X	X	X
FS12	S	03/18/22	13:55	1'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

API: 30-025-00615

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

Sample Comments

Discrete

Discrete

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/2/22 8:00			
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	33000 North A Street
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	432 704 5178	Email:	Kalei.Jennings@wsp.com

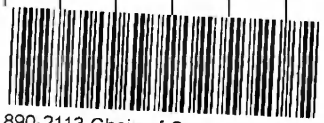
Work Order Comments

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

Project Name:	MCA 372	Turn Around	
Project Number:	31403720.000 Task 42.02	Routine ☐	
P.O. Number:		Rush: 24 hr	
Sampler's Name:	Mercy Rotich.	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	4.6 / 4.4	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST



Work Order Notes

API: 30-025-00615

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS01	S	03/18/22	13:55	1'	1	X	X	X	Discrete
FS02	S	03/18/22	9:55	1'	1	X	X	X	Discrete
FS03	S	03/18/22	10:30	1'	1	X	X	X	Discrete
FS04	S	03/18/22	10:35	1'	1	X	X	X	Discrete
FS05	S	03/18/22	10:40	1'	1	X	X	X	Discrete
FS06	S	03/18/22	11:20	1'	1	X	X	X	Discrete
FS07	S	03/18/22	12:30	1'	1	X	X	X	Discrete
FS08	S	03/18/22	12:35	1'	1	X	X	X	Discrete
FS09	S	03/18/22	12:40	1'	1	X	X	X	Discrete
FS10	S	03/18/22	13:40	1'	1	X	X	X	Discrete

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

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/18/22 8:00	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

www.xenco.com Page 2 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	33000 North A Street
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	432 704 5178	Email:	Kalei.Jennings@wsp.com

Work Order Comments

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

Project Name:	MCA 372	Turn Around	
Project Number:	31403720.000 Task 42.02	Routine ☐	
P.O. Number:		Rush: 24 hr	
Sampler's Name:	Mercy Rotich.	Due Date:	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS11	S	03/18/22	13:50	1'	1	X	X	X	Discrete
FS12	S	03/18/22	13:55	1'	1	X	X	X	Discrete

ANALYSIS REQUEST

Work Order Notes

API: 30-025-00615

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

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/2/22 8:00			
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

ATTACHMENT 4: FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 1/18/2022

L48 Spill Volume Estimate Form

NAPP2201143682

Name & Number:	MCA 372
Asset Area:	Maljamar
Release Discovery Date & Time:	01/02/2022 11:00am
Release Type:	Oil Mixture
Provide any known details about the event:	Flowline Leak due to freezing temps.

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	110.0	27.0	2.00	8.00%	88.110	7.049	3.00%	0.211	6.837
Rectangle B	5.0	3.0	3.00	8.00%	0.668	0.053	3.00%	0.002	0.052
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
					0.000	0.000		0.000	0.000
					Total Volume Release:	7.102		0.213	6.889

Incident ID	NAPP2201143682
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	50-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201143682
District RP	
Facility ID	
Application ID	

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

Printed Name: Rahul Kaushik Title: Field Environmental Coordinator, Lower 48

Signature: Rahul Kaushik Date: 03/25/2022

email: Rahul.Kaushik@cononophillips.com Telephone: (432) 238-3781

OCD Only

Received by: _____ Date: _____

Form C-141 State of New Mexico
Page 5 Oil Conservation Division

Incident ID	NAPP2201143682
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health of the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Rahul Kaushik Title: Field Environmental Coordinator, Lower 48

Signature: Rahul Kaushik Date: 03/25/2022

Email: Rahul.Kaushik@conocophillips.com Telephone: (432) 238-3781

ODC Only

Received by: Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 04/25/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 93487

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 93487
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/25/2022