

September 27, 2022

District 1 New Mexico Oil Conservation Division 1625 North French Drive Hobbs, New Mexico 88240

Re: Closure Request

Bombay BSB Federal Com 001H Incident Number NAPP2202447336

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this Closure Request to document site assessment and soil sampling activities at the Bombay BSB Federal Com 001H (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil onto the surface of the well pad and adjacent pasture. Based on field observations, field screening activities, and soil sample laboratory analytical results, COG is submitting this Closure Request, describing site assessment activities that have occurred and requesting no further action for Incident Number NAPP2202447336.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 32, Township 24 South, Range 32 East, in Lea County, New Mexico (32.17511° N, 103.69016°W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land.

On January 7, 2022, a controller malfunctioned causing the release of approximately 62.5 barrels (bbls) of crude oil onto the surface of the well pad and onto the adjacent pasture. No released fluids were recovered. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on January 7, 2022 and submitted a Release Notification Form C-141 (Form C-141) on January 24, 2022. The release was assigned Incident Number NAPP2202447336.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to evaluate application of 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). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During February 2022, a soil boring (BH01) was installed utilizing a truck-mounted hollow-stem auger rig. Soil boring BH01 was drilled to a

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 North Marienfield , Suite 400 | Midland, TX 78209 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843



depth of 105 feet bgs. A geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole lithologic/soil sampling log is included in Appendix A. The location of the borehole is approximately 3,565 feet northwest of the Site and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 105 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. There is a second depth to water data point (United States Geological Survey well 321005103402301) approximately 5,600 feet east of the location that also indicates depth to groundwater is greater than 100 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing water or significant watercourse to the Site is a dry wash, located approximately 4.4 miles south of the Site. The Site is greater than 200 feet of 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.

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

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

SITE ASSESSMENT AND SOIL SAMPLE ACTIVITIES

COG conducted an initial scrape of saturated soil immediately after identifying the release. On February 17, 2022, Ensolum personnel visited the Site to verify the initial scrape and evaluate the release extent based on information provided on the Form C-141 and visual observations. Four boreholes (BH01 through BH04) were advanced via hand-auger within the release extent to assess the vertical extent of impacted soil. The boreholes were advanced to a depth of 4 feet bgs. Delineation soil samples were collected from each borehole from depths ranging from 0.5 feet to 4 feet bgs. In addition, four soil samples (SS01 through SS04) were collected around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of the impacted soil. Soil samples were field screened for volatile aromatic hydrocarbons (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix B. Photographic documentation is included in Appendix C.

The 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.

Laboratory analytical results for preliminary soil samples SS01 through SS04 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, and successfully defined the lateral extent of the release. Laboratory analytical results for delineation soil samples BH01/BH01B through BH04/BH04B indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. To further confirm the absence of impacted soil, additional delineation activities were scheduled.

On Septmeber 16, 2022, Ensolum personnel returned to the Site to oversee additional delineation activities. Five potholes (PH01 through PH05) were advanced via backhoe to a depth of 4 feet bgs within the release extent to further confirm the absence of impacted soil. Delineated soil samples were collected from each pothole at depths ranging from 0.5 feet to 4 feet bgs. Soil from the delineation potholes was field screened for VOCs and chloride. Field screening results and observations for the potholes are included in Appendix B. The soil samples were collected, handled, and analyzed following the same procedures as described above. The delineation soil sample locations are depicted on Figure 2.

Laboratory analytical results for pothole delineation soil samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations are compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Delineation soil samples from boreholes BH01 through BH04 and potholes PH01 through PH05 were collected from within the release extent from depths ranging from 0.5 feet to 4 feet bgs to assess for the presence or absence of soil impacts as a result of the January 7, 2022, release of crude oil. Laboratory analytical results for all delineation soil samples, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Additionally, soil samples SS01 through SS04 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the most stringent Table 1 Closure Criteria, and successfully defined the lateral extent of the release.

Based on initial response efforts, soil sample laboratory analytical results compliant with the Site Closure Criteria and confirmed depth to groundwater greater than 100 feet bgs, no soil was identified above the Closure Criteria, and no excavation was required as a result of the crude oil release. As such, COG respectfully requests closure for Incident Number NAPP2202447336. The final C-141 is attached as Appendix E.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely, **Ensolum, LLC**



Kalui Jennings

Kalei Jennings Senior Scientist Daniel, R. Moir, PG Senior Managing Geologist

cc: Charles Beauvais, COG Operating, LLC

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records
Appendix B Lithologic / Soil Sampling Logs

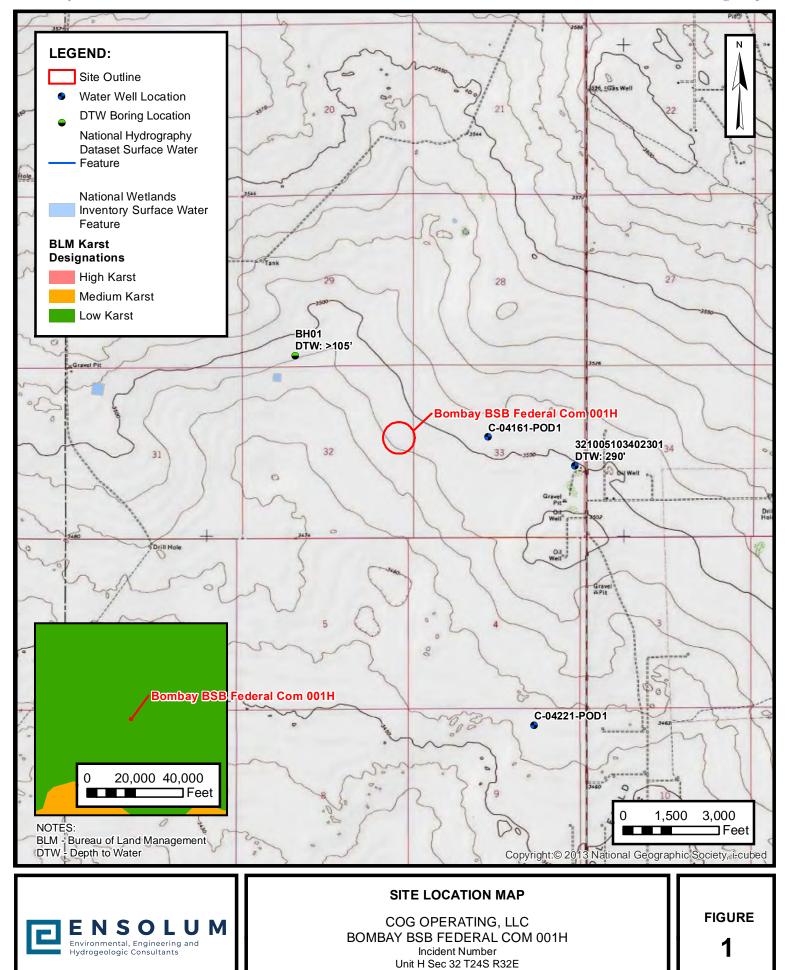
Appendix C Photographic Log

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E Final C-141

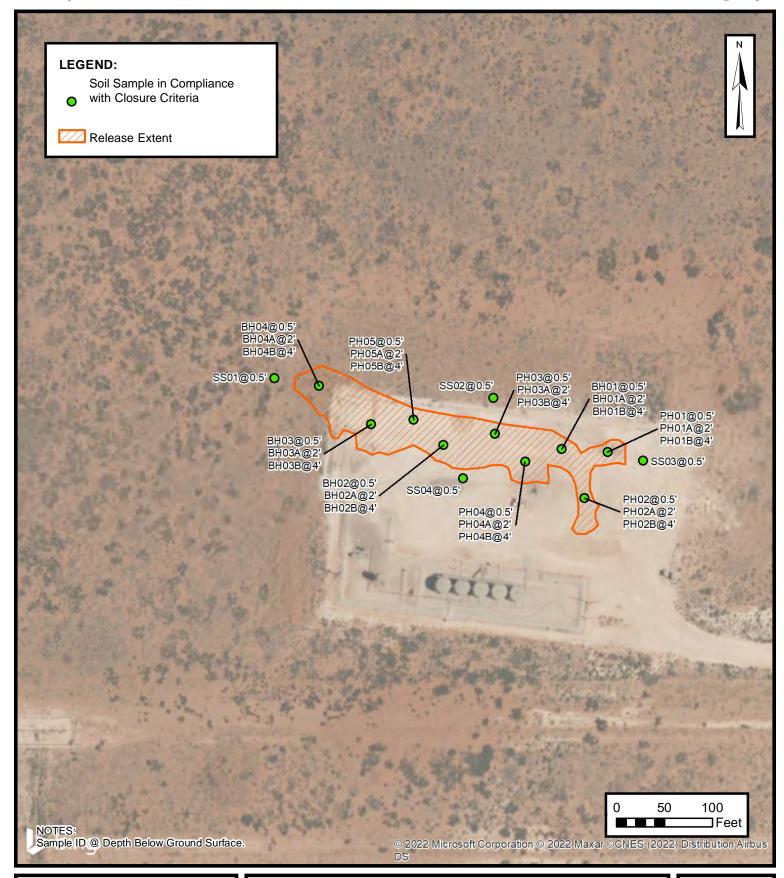


FIGURES



Lea County, New Mexico

Released to Imaging: 10/3/2022 11:54:27 AM





DELINEATION SOIL SAMPLE LOCATIONS

COG OPERATING, LLC BOMBAY BSB FEDERAL COM 001H NAPP2202447336 Unit H Sec 32 T24S R32E Lea County, New Mexico FIGURE

2



TABLES



				Bomba C	TABLE 1 LE ANALYTICA y BSB Federal Co OG Operating, LI County, New Me	om 001H ∟C				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Preliminary	y Assessment Sc	oil Samples				
SS01	02/17/2022	0.5	<0.00200	<0.00399	<50.0	75.1	<50.0	<50.0	75.1	193*
SS02	02/17/2022	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	132*
SS03	02/17/2022	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	252
SS04	02/17/2022	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	237
				Deli	neation Soil Sam	ples				
BH01	02/17/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	13,100
BH01A	02/17/2022	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	673
BH01B	02/17/2022	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	81.9
BH02	02/17/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	11,200
BH02A	02/17/2022	3	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	696
BH02B	02/17/2022	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	732
BH03	02/17/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	14,600
BH03A	02/17/2022	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	2,240
BH03B	02/17/2022	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	136
BH04	02/17/2022	0.5	<0.00198	<0.00397	<49.9	51.6	<49.9	<49.9	51.6	350*
BH04A	02/17/2022	2	<0.00198	<0.00397	<49.9	61.4	<49.9	<49.9	61.4	297*
BH04B	02/17/2022	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	188*
PH01	09/16/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	1,310
PH01A	09/16/2022	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	22.7
PH01B	09/16/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	31.6
PH02	09/16/2022	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	655
PH02A	09/16/2022	2	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	282
PH02B	09/16/2022	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	737
PH03	09/16/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,930
PH03A	09/16/2022	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	713
PH03B	09/16/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	4130
PH04	09/16/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,100
PH04A	09/16/2022	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	584
PH04B	09/16/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	360
PH05	09/16/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	1,140
PH05A	09/16/2022	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	87.1
PH05B	09/16/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	966

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

reclamation standard for chloride in the top 4 feet is 600 mg/kg

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

Grey text represents samples that have been excavated



APPENDIX A

Referenced Well Records

								BH or PH Name: BH01 Date: 2-9-2021
				1 2	0		U	Site Name: Azores Fed #4H
								RP or Incident Number: NAPP2124346388
1								WSP Job Number: 31402909.130
		LITH	OLOG	IC / SOI	L SAMPL	ING LO	G	Logged By: EC Method: Hollow Stem A, r Color
Lat/Lo	ng: 32.18	139, -103.	6989		Field Scre	ening: N/A		Hole Diameter: 11 Total Depth:
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						28					
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						31	51		7		1
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								WSP Job Number:		
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.at/Lo	ng:				Field Screening:			Hole Diameter:		Total Depth:
Comm	ents:							<u> </u>		
Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)			Liti	thology/Re	emarks
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Received by OCD: 9/28/2022 New 30 Maxico Office of the State Engineerage 16 of 209

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

20E37

C 04536 POD1

33 24S 32E 625019 3561244

Driller License:

1706

4.30

Driller Company:

ELITE DRILLERS CORPORATION

Driller Name:

BRYCE WALLACE

06/09/2021

Drill Finish Date:

06/10/2021

Plug Date:

Drill Start Date: Log File Date:

06/21/2021

PCW Rcv Date:

Depth Well:

Shallow Source:

Pump Type: Casing Size:

Pipe Discharge Size:

500 feet

Estimated Yield: Depth Water:

4 GPM 314 feet

Water Bearing Stratifications:

Top Bottom Description

235

480 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 300 500

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

7/7/22 3:39 PM

POINT OF DIVERSION SUMMARY

Lea County, New Mexico
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

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

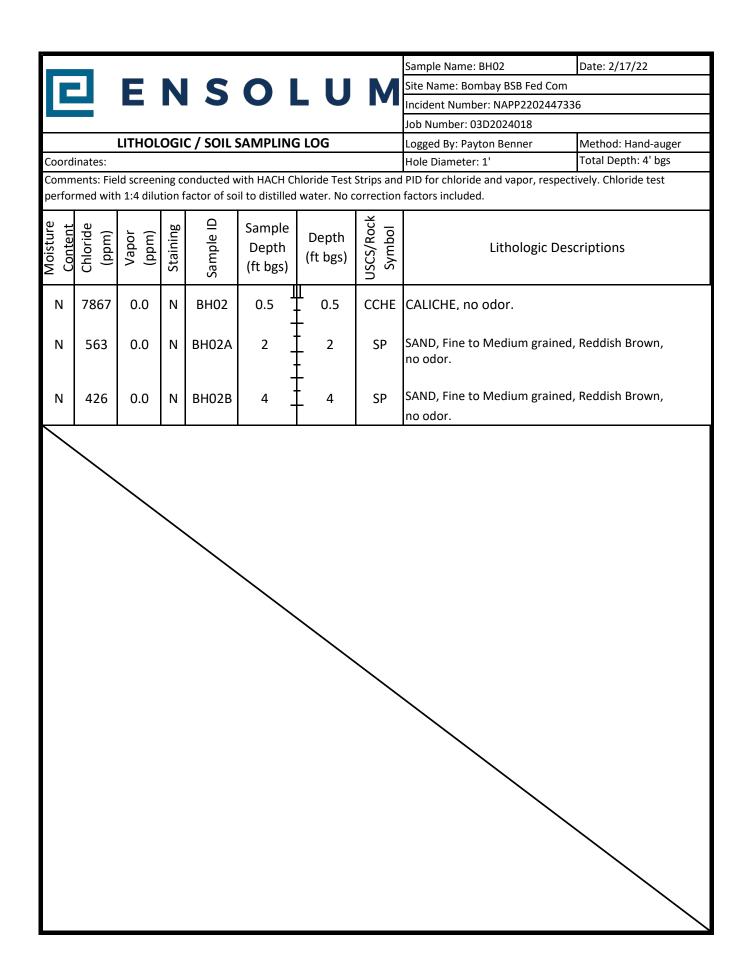
Date \$	Time \$	Water-level odate-time accuracy	Parameter \$ code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	Status \$	Method of \$\pi\$ measurement	Measuring \$ agency	Source of \$ measurement	Water- level \$ approval status
1959-02-18		D	62610		3185.60	NGVD29	1	Z			А
1959-02-18		D	62611		3187.32	NAVD88	1	Z			А
1959-02-18		D	72019	313.40			1	Z			А
1981-06-12		D	62610		3194.60	NGVD29	1	Z			А
1981-06-12		D	62611		3196.32	NAVD88	1	Z			А
1981-06-12		D	72019	304.40			1	Z			Α
1986-03-11		D	62610		3193.79	NGVD29	1	Z			А
1986-03-11		D	62611		3195.51	NAVD88	1	Z			Α
1986-03-11		D	72019	305.21			1	Z			А
1991-05-29		D	62610		3211.55	NGVD29	1	Z			Α
1991-05-29		D	62611		3213.27	NAVD88	1	Z			А
1991-05-29		D	72019	287.45			1	Z			Α
1996-03-14		D	62610		3213.60	NGVD29	1	S			А
1996-03-14		D	62611		3215.32	NAVD88	1	S			Α
1996-03-14		D	72019	285.40			1	S			А
2001-02-27		D	62610		3210.32	NGVD29	1	S			Α
2001-02-27		D	62611		3212.04	NAVD88	1	S			А
2001-02-27		D	72019	288.68			1	S			Α
2013-01-17	16:30 UTC	m	62610		3209.31	NGVD29	1	S	USGS	S	А
2013-01-17	16:30 UTC	m	62611		3211.03	NAVD88	1	S	USGS	S	Α
Released to Imag	ing: 10/3/2022 11	:54:27 AM m	72019	289.69			1	S	USGS	S	Ά

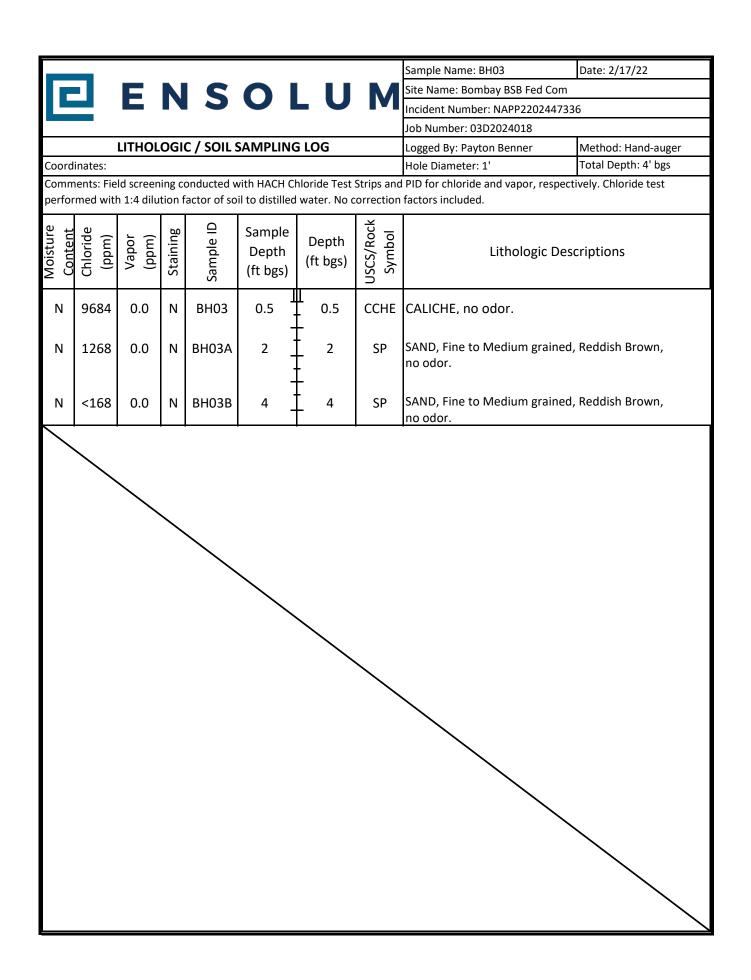


APPENDIX B

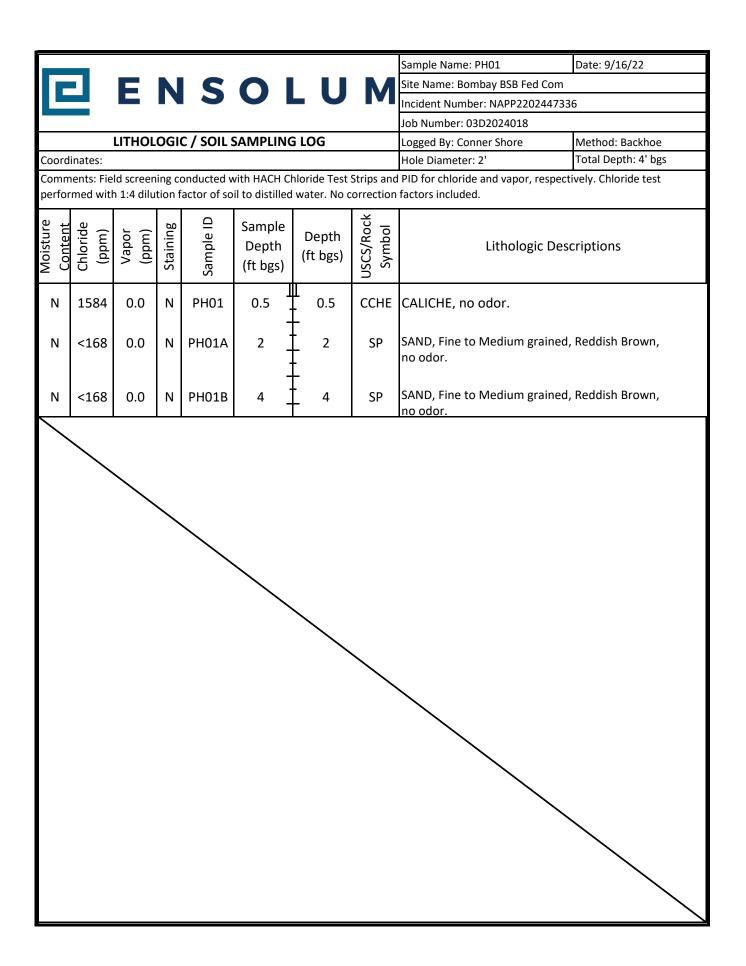
Lithologic / Soil Sampling Logs

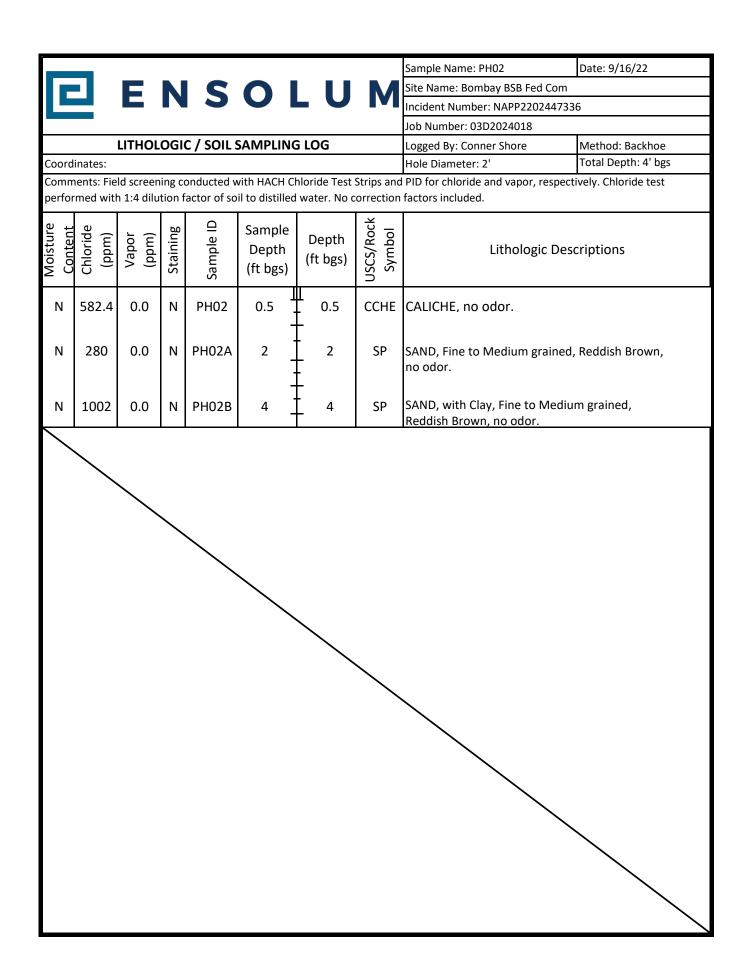
								Sample Name: BH01	Date: 2/17/22
			N	3	U	LU	V	Incident Number: NAPP22024	
								Job Number: 03D2024018	
		LITHOL	OGI	C / SOIL S	SAMPLING	GLOG		Logged By: Payton Benner	Method: Hand-auger
coord	inates:			•				Hole Diameter: 1'	Total Depth: 4' bgs
								PID for chloride and vapor, re factors included.	spectively. Chloride test
ivioisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
Ν	8726	0.0	Ν	BH01	0.5 <u> </u>	<u> </u>	ССНЕ	CALICHE, no odor.	
N	273	0.0	Ν	вно1А	2	2	SP	SAND, Fine to Medium gra no odor.	ined, Reddish Brown,
N	<168	0.0	N	вно1в	4	4	SP	SAND, Fine to Medium gra no odor.	ined, Reddish Brown,

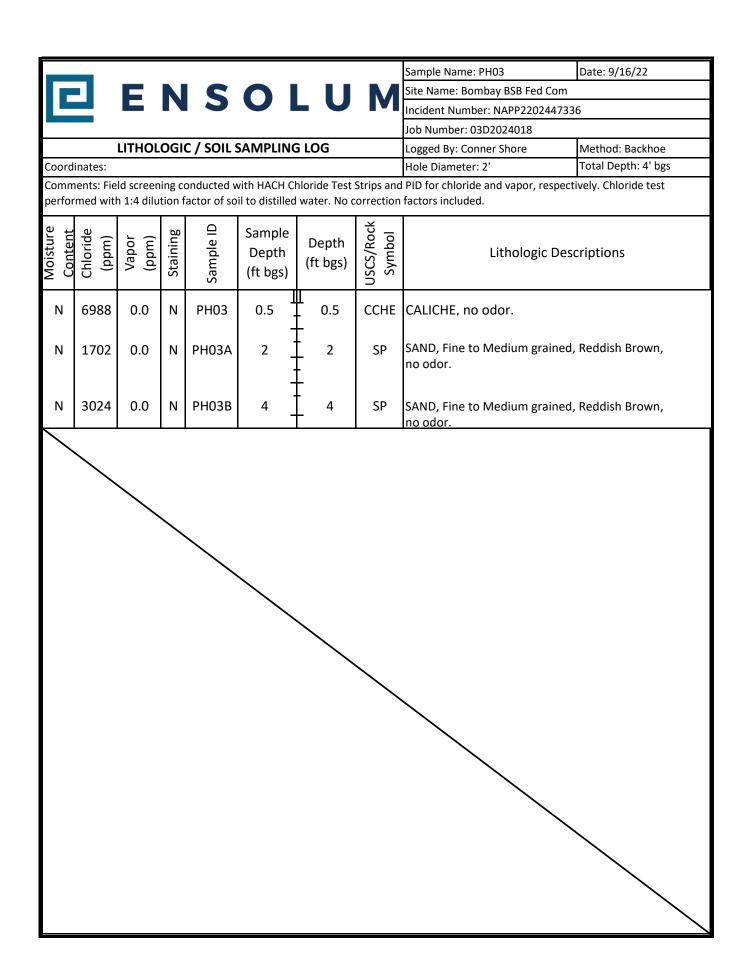


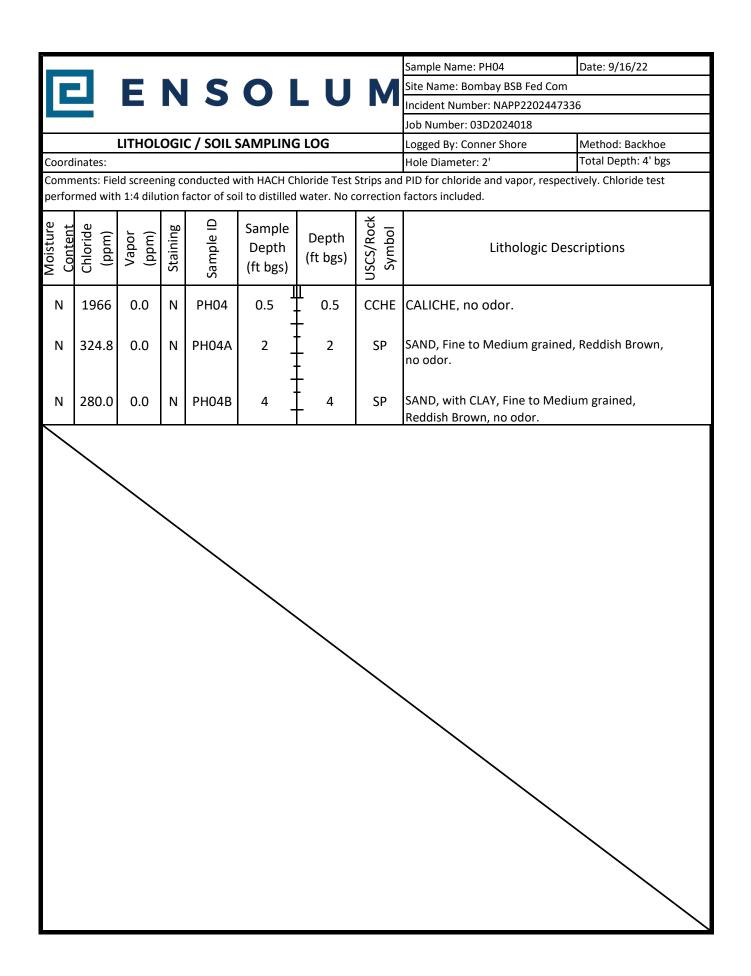


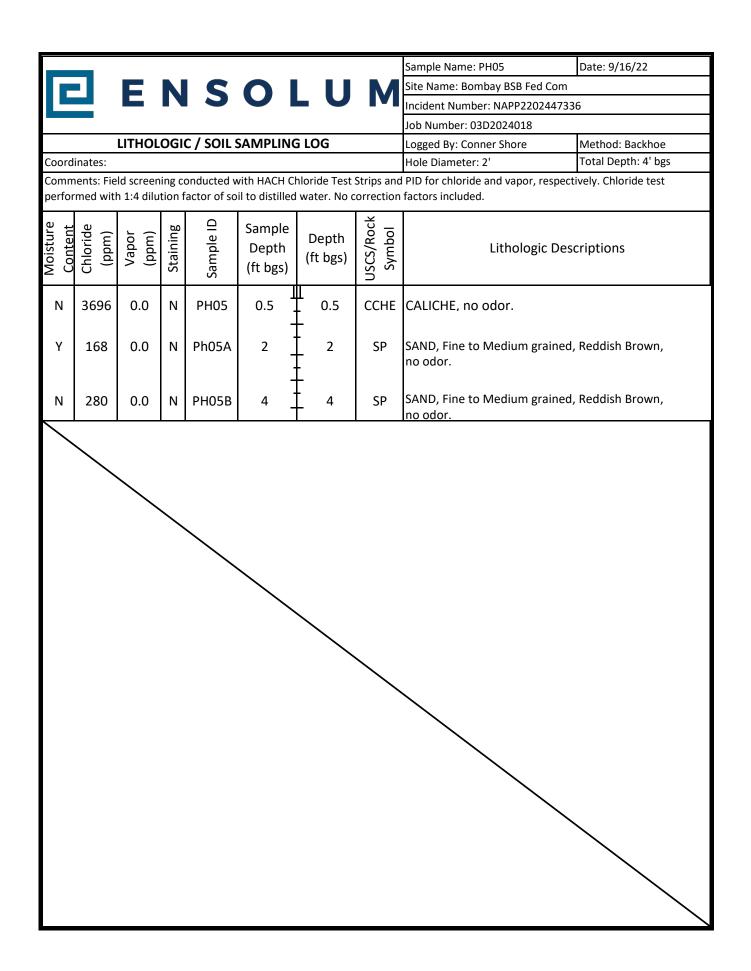
								Sample Name: BH04	Date: 2/17/22				
			N	C		LU	M	Site Name: Bombay BSB Fed Co	om				
			17	3				Incident Number: NAPP220244	7336				
								Job Number: 03D2024018					
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Payton Benner	Method: Hand-auger				
	inates:							Hole Diameter: 1'	Total Depth: 4' bgs				
							orrection	PID for chloride and vapor, res factors included.	pectively. Chloride test				
Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic [Descriptions				
Ν	128	0.0	Ν	BH04	0.5	L _ 0.5	ССНЕ	CALICHE, no odor.					
N	<168	0.0	N	вно4А	2	2	SP	SAND, Fine to Medium grained, Reddish Brown, no odor.					
N	<168	0.0	N	вно4в	4	4	SP	SAND, Fine to Medium grain no odor.	ned, Reddish Brown,				
			\										













APPENDIX C

Photographic Log



Photographic Log COG Operating, LLC Bombay BSB Federal Com 001H Incident Number NAPP2202447336



Photograph 1 Date: February 17, 2022 Description: Photo of release extent during initial assessment activities.



Photograph 2 Date: February 17, 2022 Description: Photo of release extent during initial assessment activities.



Photograph 3 Date: September 16, 2022

Description: Photo of delineation activities.



Photograph 4 Date: September 16, 2022 Description: Photo of delineation activities.



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1986-1

Laboratory Sample Delivery Group: 31403720.000 TASK 35.02

Client Project/Site: BOMBAY BSB FED COM 1

For:

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

Attn: Kalei Jennings

MAMER

Authorized for release by: 3/2/2022 7:32:44 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

····· Links ······

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 10/3/2022 11:54:27 AM

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

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

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13

14

Client: WSP USA Inc. Project/Site: BOMBAY BSB FED COM 1 Laboratory Job ID: 890-1986-1 SDG: 31403720.000 TASK 35.02

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1986-1 Project/Site: BOMBAY BSB FED COM 1

SDG: 31403720.000 TASK 35.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

%R

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

CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

Percent Recovery

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

Decision Level Concentration (Radiochemistry) DLC

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

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

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

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM 1

Job ID: 890-1986-1

SDG: 31403720.000 TASK 35.02

Job ID: 890-1986-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1986-1

Receipt

The samples were received on 2/21/2022 11:53 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 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20350 and analytical batch 880-20575 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 continuing calibration verification (CCV) associated with batch 880-20575 recovered above the upper control limit for < Ethylbenzene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SS01 (890-1986-1), SS02 (890-1986-2), SS03 (890-1986-3), SS04 (890-1986-4), (CCV 880-20575/33), (LCS 880-20350/1-A), (LCSD 880-20350/2-A), (MB 880-20350/5-A), (890-1986-A-1-F MS) and (890-1986-A-1-G MSD).

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20076 and analytical batch 880-20020 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.

HPLC/IC

Method 300 ORGFM 28D: The matrix spike duplicate (MSD) recoveries for preparation batch 880-20135 and analytical batch 880-20167 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1986-1

Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Client Sample ID: SS01

Lab Sample ID: 890-1986-1 Date Collected: 02/17/22 14:47 Matrix: Solid Date Received: 02/21/22 11:53

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U F1	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:27	
Toluene	<0.00200	U F1	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:27	
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:27	
m-Xylene & p-Xylene	<0.00399	U F1	0.00399	mg/Kg		03/01/22 11:00	03/02/22 07:27	
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:27	
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		03/01/22 11:00	03/02/22 07:27	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			03/01/22 11:00	03/02/22 07:27	
1,4-Difluorobenzene (Surr)	47	S1-	70 - 130			03/01/22 11:00	03/02/22 07:27	
· Method: Total BTEX - Total BTE)	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 20:11	
•	•	O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte	•	, , ,	RL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH	•	, , ,	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/23/22 11:22	
Analyte	75.1	Qualifier			<u>D</u>	Prepared		
Analyte Total TPH	Result 75.1 ge Organics (Di	Qualifier			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Ranç	Result 75.1 ge Organics (Di	Qualifier RO) (GC) Qualifier	50.0	mg/Kg		· ·	02/23/22 11:22	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 75.1 ge Organics (Dige Result	Qualifier RO) (GC) Qualifier	50.0	mg/Kg		Prepared	02/23/22 11:22 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 75.1 ge Organics (Dige Result < 50.0	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 20:51	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result 75.1	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 20:51 02/22/22 20:51	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 75.1	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 20:51 02/22/22 20:51	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 75.1	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared	02/23/22 11:22 Analyzed 02/22/22 20:51 02/22/22 20:51 02/22/22 20:51 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 75.1	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 20:51 02/22/22 20:51 Analyzed 02/22/22 20:51	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 75.1	Qualifier RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 20:51 02/22/22 20:51 Analyzed 02/22/22 20:51	Dil Fa

Client Sample ID: SS02 Lab Sample ID: 890-1986-2 Matrix: Solid

Date Collected: 02/17/22 14:51 Date Received: 02/21/22 11:53

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 07:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			03/01/22 11:00	03/02/22 07:54	1

Eurofins Carlsbad

Matrix: Solid

Client: WSP USA Inc.

Job ID: 890-1986-1 Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Lab Sample ID: 890-1986-2

Client Sample ID: SS02

Date Collected: 02/17/22 14:51 Date Received: 02/21/22 11:53

Sample Depth: 0.5

Method: 8021B -	Volatile Ord	anic Com	nounds (C	GC) ((Continued)	
Method. 002 1D	Volatile Oit		poullus (C	30) I	(Continueu)	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	155	S1+	70 - 130	03/01/22 11:00	03/02/22 07:54	1

Method: Total	RTFX - Tota	I RTFX (Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/02/22 20:11	1

Method: 8015 NM - Diesel Range Organic	s (DRO)	(GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/23/22 11:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81	70 - 130	02/22/22 15:52	02/22/22 21:12	1
o-Terphenyl	77	70 - 130	02/22/22 15:52	02/22/22 21:12	1

Method: 300.0	- Anions, Ion	Chromate	ography	/ - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132	F1	4.98	mg/Kg			02/24/22 22:24	1

Client Sample ID: SS03 Lab Sample ID: 890-1986-3 Matrix: Solid

Date Collected: 02/17/22 15:00 Date Received: 02/21/22 11:53

Sample Depth: 0.5

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

		()						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/01/22 11:00	03/02/22 08:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/01/22 11:00	03/02/22 08:21	1
1,4-Difluorobenzene (Surr)	116		70 - 130			03/01/22 11:00	03/02/22 08:21	1

Mothod:	Total RT	EY - Tota	I RTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396	ma/Ka			03/02/22 20:11	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	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			02/23/22 11:22	1

Eurofins Carlsbad

Lab Sample ID: 890-1986-3

Client: WSP USA Inc.

Job ID: 890-1986-1

Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Client Sample ID: SS03

Date Collected: 02/17/22 15:00 Date Received: 02/21/22 11:53

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:33	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:33	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 21:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			02/22/22 15:52	02/22/22 21:33	1
o-Terphenyl	87		70 - 130			02/22/22 15:52	02/22/22 21:33	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS04 Lab Sample ID: 890-1986-4 Date Collected: 02/17/22 14:56 Matrix: Solid

Date Received: 02/21/22 11:53

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/01/22 11:00	03/02/22 08:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			03/01/22 11:00	03/02/22 08:48	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130			03/01/22 11:00	03/02/22 08:48	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/02/22 20:11	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 21:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 21:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 21:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			02/22/22 15:52	02/22/22 21:54	1
o-Terphenyl	80		70 - 130			02/22/22 15:52	02/22/22 21:54	1

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Released to Imaging: 10/3/2022 11:54:27 AM

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-1986-1

Project/Site: POMPAY BSB FFD COM 1

Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Client Sample ID: SS04

Lab Sample ID: 890-1986-4

Date Collected: 02/17/22 14:56

Date Received: 02/21/22 11:53

Matrix: Solid

Sample Depth: 0.5

Method: 300.0 - Anions, Ion Chrom	natography - 🤄	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		4.95	mg/Kg			02/24/22 22:49	1

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Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1986-1 Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1986-1	SS01	148 S1+	47 S1-	
890-1986-1 MS	SS01	126	100	
890-1986-1 MSD	SS01	105	61 S1-	
890-1986-2	SS02	134 S1+	155 S1+	
890-1986-3	SS03	113	116	
890-1986-4	SS04	126	133 S1+	
LCS 880-20350/1-A	Lab Control Sample	113	99	
LCSD 880-20350/2-A	Lab Control Sample Dup	123	108	
MB 880-20350/5-A	Method Blank	98	84	
MB 880-20575/8	Method Blank	82	81	

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)
		1001	ОТРН1	referred danogue recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1985-A-1-B MS	Matrix Spike	79	84	
890-1985-A-1-C MSD	Matrix Spike Duplicate	79	82	
890-1986-1	SS01	79	78	
890-1986-2	SS02	81	77	
890-1986-3	SS03	83	87	
890-1986-4	SS04	76	80	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-20076/2-A	Lab Control Sample	107	112	
LCSD 880-20076/3-A	Lab Control Sample Dup	97	110	
MB 880-20076/1-A	Method Blank	92	100	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: WSP USA Inc. Job ID: 890-1986-1 SDG: 31403720.000 TASK 35.02 Project/Site: BOMBAY BSB FED COM 1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20350/5-A

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20350

ı		MB	МВ						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
	Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
	Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
I	m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
I	o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
	Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
ı									

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/01/22 11:00	03/02/22 00:18	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/01/22 11:00	03/02/22 00:18	1

Lab Sample ID: LCS 880-20350/1-A

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20350

	Зріке	LUS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08512		mg/Kg		85	70 - 130	
Toluene	0.100	0.08960		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.09306		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: LCSD 880-20350/2-A

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 20350

%Rec.

	•								
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09909		mg/Kg		99	70 - 130	15	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	19	35
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2299		mg/Kg		115	70 - 130	15	35
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130	14	35

Spike

LCSD LCSD

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1.4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-1986-1 MS

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: SS01 Prep Type: Total/NA

Prep Batch: 20350

, and the second	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0990	0.06939		mg/Kg		70	70 - 130	
Toluene	<0.00200	U F1	0.0990	0.07681		mg/Kg		78	70 - 130	

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QC Sample Results

 Client: WSP USA Inc.
 Job ID: 890-1986-1

 Project/Site: BOMBAY BSB FED COM 1
 SDG: 31403720.000 TASK 35.02

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

Lab Sample ID: 890-1986-1 MS Matrix: Solid

Analysis Batch: 20575

Client Sample ID: SS01
Prep Type: Total/NA

Prep Batch: 20350

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1	0.0990	0.04867	F1	mg/Kg		49	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1	0.198	0.1659		mg/Kg		84	70 - 130	
o-Xylene	<0.00200	U F1	0.0990	0.08447		mg/Kg		85	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Client Sample ID: SS01
Prep Type: Total/NA

Prep Batch: 20350

Lab Sample ID: 890-1986-1 MSD Matrix: Solid

Analysis Batch: 20575

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0998	0.05719	F1	mg/Kg		57	70 - 130	19	35
Toluene	<0.00200	U F1	0.0998	0.05912	F1	mg/Kg		59	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.0998	0.06528	F1	mg/Kg		65	70 - 130	29	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1318	F1	mg/Kg		66	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0998	0.06492	F1	mg/Kg		65	70 - 130	26	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130

Lab Sample ID: MB 880-20575/8

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: Met	hod Blank
Prep Type	: Total/NA

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1
Toluene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			03/01/22 04:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			03/01/22 04:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130		03/01/22 04:23	1
1,4-Difluorobenzene (Surr)	81		70 - 130		03/01/22 04:23	1

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

Lab Sample ID: MB 880-20076/1-A

Matrix: Solid

Analysis Batch: 20020

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

Prep Batch: 20076

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Factoria

 Gasoline Range Organics
 <50.0</td>
 U
 50.0
 mg/Kg
 02/22/22 15:52
 02/22/22 18:46
 1

(GRO)-C6-C10

Client: WSP USA Inc.

SDG: 31403720.000 TASK 35.02 Project/Site: BOMBAY BSB FED COM 1

Job ID: 890-1986-1

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

Lab Sample ID: MB 880-20076/1-A **Matrix: Solid**

Analysis Batch: 20020

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

Prep Batch: 20076

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 18:46	1
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 18:46	1
ı									

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/22/22 15:52	02/22/22 18:46	1
o-Terphenyl	100		70 - 130	02/22/22 15:52	02/22/22 18:46	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-20076/2-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 20020** Prep Batch: 20076 LCS LCS Spike

%Rec Limits 93 70 - 130

Analyte Added Result Qualifier Unit Gasoline Range Organics 1000 926.5 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 969.7 mg/Kg 97 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-20076/3-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 20076

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	904.1		mg/Kg		90	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	910.9		mg/Kg		91	70 - 130	6	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 97 70 - 130 o-Terphenyl 110 70 - 130

Lab Sample ID: 890-1985-A-1-B MS

Matrix: Solid

Analysis Batch: 20020

	_			
Cliont	Sample	ın.	Matrix	Snika
CHEIL	Jailible	ıD.	IVIALI IA	SDIKE

Prep Type: Total/NA Prep Batch: 20076

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	1471	F1	mg/Kg		144	70 - 130	
Diesel Range Organics (Over	<50.0	U F1	1000	1563	F1	mg/Kg		153	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	84		70 - 130

Client: WSP USA Inc. Job ID: 890-1986-1 Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

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

Lab Sample ID: 890-1985-A-1-C MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid Analysis Batch: 20020

Prep Batch: 20076 Sample Sample MSD MSD RPD Spike Analyte Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics <50.0 U F1 998 1514 F1 mg/Kg 149 70 - 130 3 20 (GRO)-C6-C10 998 Diesel Range Organics (Over <50.0 U F1 1556 F1 mg/Kg 153 70 - 130n 20

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 79 o-Terphenyl 82 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20134/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 20166

MB MB

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 02/24/22 17:56

Lab Sample ID: LCS 880-20134/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 20166

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

Lab Sample ID: LCSD 880-20134/3-A

Matrix: Solid

Analysis Batch: 20166

Spike LCSD LCSD RPD %Rec. Analyte Added Result Qualifier Unit %Rec RPD Limit Chloride 250 257.5 103 90 - 110 mg/Kg

Lab Sample ID: 890-1983-A-8-F MS

Matrix: Solid

Analysis Batch: 20166

Sample Sample Spike MS MS %Rec. Qualifier Added Qualifier Analyte Result Result %Rec Limits Unit Chloride 253 102 90 - 110 19.9 276.4 mg/Kg

Lab Sample ID: 890-1983-A-8-G MSD

Matrix: Solid

Analysis Batch: 20166

Sample Sample Spike MSD MSD %Rec. RPD Qualifier Added Analyte Result Result Qualifier %Rec Limits RPD Limit Unit D Chloride 253 19.9 273.8 101 90 - 110 20 mg/Kg

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Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client: WSP USA Inc. Job ID: 890-1986-1 Project/Site: BOMBAY BSB FED COM 1

SDG: 31403720.000 TASK 35.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-20135/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble Analysis Batch: 20167

MR MR

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/24/22 22:05	1

Lab Sample ID: LCS 880-20135/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 20167

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	 250	249.6		ma/Ka		100	90 - 110		_

Lab Sample ID: LCSD 880-20135/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 20167

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	262.2		mg/Kg		105	90 - 110	5	20

Lab Sample ID: 890-1986-2 MS Client Sample ID: SS02 Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 20167

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	132	F1	249	388.4		mg/Kg	_	103	90 - 110	

Lab Sample ID: 890-1986-2 MSD **Client Sample ID: SS02 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 20167

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	132	F1	249	318.8	F1	mg/Kg		75	90 - 110	20	20

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-1986-1

 Project/Site: BOMBAY BSB FED COM 1
 SDG: 31403720.000 TASK 35.02

GC VOA

Prep Batch: 20350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	5035	
890-1986-2	SS02	Total/NA	Solid	5035	
890-1986-3	SS03	Total/NA	Solid	5035	
890-1986-4	SS04	Total/NA	Solid	5035	
MB 880-20350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1986-1 MS	SS01	Total/NA	Solid	5035	
890-1986-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	8021B	20350
890-1986-2	SS02	Total/NA	Solid	8021B	20350
890-1986-3	SS03	Total/NA	Solid	8021B	20350
890-1986-4	SS04	Total/NA	Solid	8021B	20350
MB 880-20350/5-A	Method Blank	Total/NA	Solid	8021B	20350
MB 880-20575/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-20350/1-A	Lab Control Sample	Total/NA	Solid	8021B	20350
LCSD 880-20350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20350
890-1986-1 MS	SS01	Total/NA	Solid	8021B	20350
890-1986-1 MSD	SS01	Total/NA	Solid	8021B	20350

Analysis Batch: 20742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	Total BTEX	
890-1986-2	SS02	Total/NA	Solid	Total BTEX	
890-1986-3	SS03	Total/NA	Solid	Total BTEX	
890-1986-4	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	8015B NM	20076
890-1986-2	SS02	Total/NA	Solid	8015B NM	20076
890-1986-3	SS03	Total/NA	Solid	8015B NM	20076
890-1986-4	SS04	Total/NA	Solid	8015B NM	20076
MB 880-20076/1-A	Method Blank	Total/NA	Solid	8015B NM	20076
LCS 880-20076/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20076
LCSD 880-20076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20076
890-1985-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	20076
890-1985-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20076

Prep Batch: 20076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	8015NM Prep	
890-1986-2	SS02	Total/NA	Solid	8015NM Prep	
890-1986-3	SS03	Total/NA	Solid	8015NM Prep	
890-1986-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-20076/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Job ID: 890-1986-1 Client: WSP USA Inc. Project/Site: BOMBAY BSB FED COM 1

SDG: 31403720.000 TASK 35.02

GC Semi VOA (Continued)

Prep Batch: 20076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-20076/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1985-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1985-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Total/NA	Solid	8015 NM	
890-1986-2	SS02	Total/NA	Solid	8015 NM	
890-1986-3	SS03	Total/NA	Solid	8015 NM	
890-1986-4	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Soluble	Solid	DI Leach	<u> </u>
MB 880-20134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1983-A-8-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1983-A-8-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 20135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-2	SS02	Soluble	Solid	DI Leach	
890-1986-3	SS03	Soluble	Solid	DI Leach	
890-1986-4	SS04	Soluble	Solid	DI Leach	
MB 880-20135/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20135/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20135/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1986-2 MS	SS02	Soluble	Solid	DI Leach	
890-1986-2 MSD	SS02	Soluble	Solid	DI Leach	

Analysis Batch: 20166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-1	SS01	Soluble	Solid	300.0	20134
MB 880-20134/1-A	Method Blank	Soluble	Solid	300.0	20134
LCS 880-20134/2-A	Lab Control Sample	Soluble	Solid	300.0	20134
LCSD 880-20134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20134
890-1983-A-8-F MS	Matrix Spike	Soluble	Solid	300.0	20134
890-1983-A-8-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20134

Analysis Batch: 20167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-2	SS02	Soluble	Solid	300.0	20135
890-1986-3	SS03	Soluble	Solid	300.0	20135
890-1986-4	SS04	Soluble	Solid	300.0	20135
MB 880-20135/1-A	Method Blank	Soluble	Solid	300.0	20135
LCS 880-20135/2-A	Lab Control Sample	Soluble	Solid	300.0	20135
LCSD 880-20135/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20135

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-1986-1

 Project/Site: BOMBAY BSB FED COM 1
 SDG: 31403720.000 TASK 35.02

2

HPLC/IC (Continued)

Analysis Batch: 20167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1986-2 MS	SS02	Soluble	Solid	300.0	20135
890-1986-2 MSD	SS02	Soluble	Solid	300.0	20135

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Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM 1

Job ID: 890-1986-1

SDG: 31403720.000 TASK 35.02

Client Sample ID: SS01

Date Collected: 02/17/22 14:47 Date Received: 02/21/22 11:53

Lab Sample ID: 890-1986-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20350	03/01/22 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/02/22 07:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20742	03/02/22 20:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20144	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 20:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20134	02/23/22 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			20166	02/24/22 20:04	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-1986-2

Date Collected: 02/17/22 14:51

Date Received: 02/21/22 11:53

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 20350 Total/NA Prep 5.00 g 5 mL 03/01/22 11:00 KL XEN MID Total/NA 8021B 5 mL 20575 03/02/22 07:54 XEN MID Analysis 1 5 mL MR Total/NA Total BTEX 20742 03/02/22 20:11 XEN MID Analysis 1 A.I Total/NA Analysis 8015 NM 20144 02/23/22 11:22 XEN MID Total/NA 20076 XEN MID Prep 8015NM Prep 10.02 g 02/22/22 15:52 DM 10 mL Total/NA Analysis 8015B NM 20020 02/22/22 21:12 AJ XEN MID Soluble 20135 СН XEN MID Leach DI Leach 5.02 g 50 mL 02/23/22 10:11 Soluble Analysis 300.0 1 20167 02/24/22 22:24 SC XEN MID

Lab Sample ID: 890-1986-3 **Client Sample ID: SS03**

Date Collected: 02/17/22 15:00 Date Received: 02/21/22 11:53

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	20350	03/01/22 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/02/22 08:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20742	03/02/22 20:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20144	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 21:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		1			20167	02/24/22 22:43	SC	XEN MID

Client Sample ID: SS04 Lab Sample ID: 890-1986-4

Date Collected: 02/17/22 14:56 Date Received: 02/21/22 11:53

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20350	03/01/22 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/02/22 08:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20742	03/02/22 20:11	AJ	XEN MID

Eurofins Carlsbad

Page 18 of 25

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc.

Job ID: 890-1986-1

Project/Site: BOMBAY BSB FED COM 1 SDG: 31403720.000 TASK 35.02

Client Sample ID: SS04

Lab Sample ID: 890-1986-4

Date Collected: 02/17/22 14:56

Date Received: 02/21/22 11:53

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20144	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 21:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		1			20167	02/24/22 22:49	SC	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-1986-1

 Project/Site: BOMBAY BSB FED COM 1
 SDG: 31403720.000 TASK 35.02

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of	• •		ou zy alio go rollinig danielity.	ay molade dhalytee lei
the agency does not of Analysis Method	• •	Matrix	Analyte	y molade analytes for
0 ,	fer certification.	,	, , ,	

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Method Summary

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM 1

Job ID: 890-1986-1

SDG: 31403720.000 TASK 35.02

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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

6

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

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Sample Summary

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM 1

Job ID: 890-1986-1

SDG: 31403720.000 TASK 35.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1986-1	SS01	Solid	02/17/22 14:47	02/21/22 11:53	0.5
890-1986-2	SS02	Solid	02/17/22 14:51	02/21/22 11:53	0.5
890-1986-3	SS03	Solid	02/17/22 15:00	02/21/22 11:53	0.5
890-1986-4	SS04	Solid	02/17/22 14:56	02/21/22 11:53	0.5

XMZ000

Project Manager:

Company Name: Address:

> WSP USA Kalei Jennings

Phone:

817-683-2503

Email: Kalei.jennings@wsp.com

Turn Around

ANALYSIS REQUEST

Work Order Notes

City, State ZIP:

Midland, Texas 79705

3300 North A Street Building 1, unit 222

Project Name:

Bombay BSB Fed Com 1

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Chain of Custody

	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Work (Chain of Custody

	Clialli of Custouy	Work Order No:
Houston,TX (281) 240-4200	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334	
Midland, TX (432-704-5440)	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	
Hobbs,NM (575-392-7550) Phoenix,AZ (Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	3-620-2000) www.xenco.com
Bill to: (if different)	Bill to: (if different) Kalei Jennings	Work Order Comments
Company Name: WSP USA	WSPUSA	Program: UST/PST RP Prownfields RC Sperfund
, unit 222 Address:	3300 North A Street Building 1, unit 222	State of Project:
City, State ZIP:	Midland, Texas 79705	Reporting:Level II
		Policipalities and Appear

SayOn Benner				6								
890-1986 Chain of Custody TAT Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr b Mn Mo Ni Se Ag Ti U Tors. It assigns standard terms and conditions are due to circumstances beyond the control be enforced unless previously negotiated. Dy: (Signature) Received by: (Signature)				4			. ,					/
890-1986 Chain of Custody 890-1986 Chain of Custody Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na b Mn Mo Ni Se Ag Tl U Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na b Mn Mo Ni Se Ag Tl U 1631 be enforced unless previously negotiated. by: (Signature) Received by: (Signature)				2	11.5	107	142			1/1	M	Moder
890-1986 Chain of Custody 890-1986 Chain of Custody Custody Custody 100-1986 Chain of Custody 100	Date/Time	Received by: (Signature)		Relina	me	Date/Ti		re)	y: (Signatu	Received b	ature)	Relinquished by: (Sign
Ag SiO2 Na 1631		ms and conditions beyond the control ly negotiated.	subcontractors. It assigns standard terr f such losses are due to circumstances terms will be enforced unless previousl	affiliates and side by the client if nalyzed. These	(enco, its s incurred but not a	npany to) r expense to Xenco,	client con losses of ubmitted	hase order from consibility for any or each sample s	sume any resp charge of \$5 f	samples constitus and shall not as ach project and a	and relinquishment of y for the cost of sample 5.00 will be applied to e	e: Signature of this documen rvice. Xenco will be liable onl nco. A minimum charge of \$7
31403720.000 Task 35.02	5.1 / 7470 / 7471 : H	Ag SiO2	Cr Co Cu Fe Pb Mg Mn I o Cu Pb Mn Mo Ni Se Ag	B Cd Ca Cd Cr Co	Ba Be Ba Be	Sb As	CRA S	P 6010: 8R	CRA 13PI	8Rı alyzed	200.8 / 6020: Metal(s) to be an	Total 200.7 / 6010 Circle Method(s) and
31403720.000 Task 85.02 Routine												
31403720.000 Task 35.02 Routine												
31403720.000 Task 35.02 Routine				-	+	-						
31403720.000 Task 35.02 Routine					\vdash	-						
31403720.000 Task 35.02	DISCRETE				+	-	_	0.5	14:56	02/17/22	S	SS04
31403720.000 Task 35.02 Routine	DISCRETE							0.5	15:00	02/17/22	ဟ	SS03
31403720.000 Task 35.02 Routine	DISCRETE				-		_	0.5	14:51	02/17/22	S	SS02
31403720.000 Task 35.02 Routine [] aylon Benner Due Date: Temp Blank: (Ye) No Wet Ice: Xey No 7.0 / I. 2) Thermometer ID Yes No WA Correction Factor: -0.7 Containers: Yes No WA Total Containers: -0.7 Conta	DISCRETE				-		-	0.5	14:47	02/17/22	S	SS01
31403720.000 Task 35.02 Routine [] ayton Benner Due Date: Temp Blank: Yes No NA Correction Factor: 7.7 Containers: PA 80155 PA 60 PA 80155	ample Comments	σ					Numb	Depth	Time Sampled	Date Sampled		Sample Identification
31403720.000 Task 35.02 Routine	b, if received by 4:30pm	lat			+	+	er of		Containers:	Total	No	Sample Custody Seals:
er: 31403720.000 Task 35.02 Routine [] Rush: Payton Benner Due Date: Temp Blank: Yes No Wet Ice: Yes No No No No No No No No	tarts the day recevied by	TAT st			-		Со	40-	tion Factor:	Corre	8	Cooler Custody Seals:
er: 31403720.000 Task 35.02 Routine П ———————————————————————————————————							ntai	7	1	1-40		Received Intact:
er: 31403720.000 Task 35.02 Routine ∏ me: Payton Benner Due Date: RECEIPT Temp Blank: (Yes) No Wet Ice: Xeg No		stody	890-1986 Chain of Cus		_		ners	ō	ermometer	T.		Temperature (°C):
er: 31403720.000 Task 35.02 me: Payton Benner							3	X)	Wet ice:		Temp Blank:	SAMPLE RECEIPT
er: 31403720.000 Task 35.02								Date:	Due		Benner	Sampler's Name: Paytor
31403720.000 Task 35.02				_					Rush			P.O. Number:
								ne []	Routi	ask 35.02	31403720.000 T	Project Number:

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1986-1

SDC Number: 34403730 000 TASK 35 03

SDG Number: 31403720.000 TASK 35.02

Login Number: 1986 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1986-1

SDG Number: 31403720.000 TASK 35.02

List Source: Eurofins Midland List Creation: 02/22/22 02:59 PM

Creator: Rodriguez, Leticia

Login Number: 1986

List Number: 2

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1988-1

Laboratory Sample Delivery Group: 31403720.000 TASK35.02

Client Project/Site: BOMBAY BSB FED COM1

For:

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

Attn: Kalei Jennings

LAMER

Authorized for release by: 3/2/2022 3:32:32 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 10/3/2022 11:54:27 AM

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: BOMBAY BSB FED COM1 Laboratory Job ID: 890-1988-1 SDG: 31403720.000 TASK35.02

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description	
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.	

HPLC/IC

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

Glossary

DLC

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

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

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

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit MI Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Job ID: 890-1988-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1988-1

Receipt

The samples were received on 2/21/2022 11:51 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 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20350 and analytical batch 880-20575 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 continuing calibration verification (CCV) associated with batch 880-20575 recovered above the upper control limit for < Ethylbenzene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BH01 (890-1988-1), BH01A (890-1988-2), (CCV 880-20575/33), (LCS 880-20350/1-A), (LCSD 880-20350/2-A), (MB 880-20350/5-A), (890-1986-A-1-H), (890-1986-A-1-F MS) and (890-1986-A-1-G MSD).

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-20437 and analytical batch 880-20657 were outside control limits. Non-homogeneity is 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20076 and analytical batch 880-20020 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 8015MOD NM: Surrogate recovery for the following sample was outside control limits: BH01A (890-1988-2). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20088 and analytical batch 880-20116 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH03A (890-1988-8), BH03B (890-1988-9) and BH04A (890-1988-11). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for preparation batch 880-20135 and analytical batch 880-20167 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1

Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH01 Lab Sample ID: 890-1988-1

Date Collected: 02/17/22 11:34 Matrix: Solid Date Received: 02/21/22 11:51

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/22 11:00	03/02/22 09:15	
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/22 11:00	03/02/22 09:15	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/22 11:00	03/02/22 09:15	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/22 11:00	03/02/22 09:15	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/22 11:00	03/02/22 09:15	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/22 11:00	03/02/22 09:15	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			03/01/22 11:00	03/02/22 09:15	
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130			03/01/22 11:00	03/02/22 09:15	
Method: Total BTEX - Total BTE)	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/22 16:19	
Δnalvto	Result	Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result <50.0			mg/Kg	<u>D</u>	Prepared	Analyzed 02/23/22 11:22	
	<50.0	U (GC)		mg/Kg	<u>D</u>	<u>Prepared</u>		
Total TPH Method: 8015B NM - Diesel Ranç	<50.0 ge Organics (D	RO) (GC) Qualifier	50.0		<u>D</u>	Prepared Prepared		
Total TPH	<50.0	RO) (GC) Qualifier	50.0	mg/Kg		· ·	02/23/22 11:22	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 ge Organics (D	O (GC) Qualifier	50.0	mg/Kg		Prepared	02/23/22 11:22 Analyzed	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 ge Organics (Digensity Result < 50.0	RO) (GC) Qualifier U	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 22:15	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 ge Organics (Di Result <50.0 <50.0	CO (GC) Qualifier U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 22:15 02/22/22 22:15	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 ge Organics (Di Result <50.0 <50.0 <50.0	CO (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 22:15 02/22/22 22:15	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 %Recovery	CO (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared	02/23/22 11:22 Analyzed 02/22/22 22:15 02/22/22 22:15 02/22/22 22:15 Analyzed	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <101 101 104	CO (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 22:15 02/22/22 22:15 Analyzed 02/22/22 22:15	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <70.0 *Recovery 101 104 omatography -	CO (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 15:52 02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 11:22 Analyzed 02/22/22 22:15 02/22/22 22:15 Analyzed 02/22/22 22:15	Dil Fac

Client Sample ID: BH01A Lab Sample ID: 890-1988-2 Matrix: Solid

Date Collected: 02/17/22 11:42 Date Received: 02/21/22 11:51

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/22 11:00	03/02/22 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		S1-	70 - 130			03/01/22 11:00	03/02/22 11:43	1

Client: WSP USA Inc.

Date Received: 02/21/22 11:51

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH01A Lab Sample ID: 890-1988-2 Date Collected: 02/17/22 11:42

Matrix: Solid

Sample Depth: 2

Method: 8021B - Volatile O	rganic Compou	nds (GC)	(Continued)
Michiga: OUL 1B Volume C	i gaino compou	1145 (55)	(Odinanaca)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	94	70 - 130	03/01/22 11:00	03/02/22 11:43	1

ı						
	Method:	Total	RTFY	- Total	RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	ma/Ka			03/02/22 16:19	1

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moundair of its initial Endouring	· ga (2.1.0) (0.0)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			02/23/22 11:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 22:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 22:37	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/22/22 15:52	02/22/22 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	76Recovery	Qualifier	LIIIIII	Pie	epareu	Allalyzeu	DII Fac
1-Chlorooctane	65	S1-	70 - 130	02/22/	/22 15:52	02/22/22 22:37	1
o-Terphenyl	67	S1-	70 - 130	02/22/	/22 15:52	02/22/22 22:37	1
_							

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	673	25.3	mg/Kg			02/24/22 23:46	5

Client Sample ID: BH01B Lab Sample ID: 890-1988-3

Date Collected: 02/17/22 11:49 Date Received: 02/21/22 11:51

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 08:00	03/02/22 11:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/02/22 08:00	03/02/22 11:18	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/02/22 08:00	03/02/22 11:18	1

Mothod:	Total RT	EY - Tota	I DTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	ma/Ka			03/02/22 16:19	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1

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Matrix: Solid

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

Client Sample ID: BH01B

Lab Sample ID: 890-1988-3

Date Collected: 02/17/22 11:49
Date Received: 02/21/22 11:51

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 22:59	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 22:59	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130			02/22/22 15:52	02/22/22 22:59	1
o-Terphenyl	76		70 - 130			02/22/22 15:52	02/22/22 22:59	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaiiiioi					· · · · · · · · · · · · · · · · · · ·	

Client Sample ID: BH02

Date Collected: 02/17/22 12:34

Lab Sample ID: 890-1988-4

Matrix: Solid

Date Collected: 02/17/22 12:34 Date Received: 02/21/22 11:51

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 08:00	03/02/22 11:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			03/02/22 08:00	03/02/22 11:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/02/22 08:00	03/02/22 11:39	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			03/02/22 16:19	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1
Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			02/22/22 15:52	02/22/22 23:20	1
o-Terphenyl	88		70 - 130			02/22/22 15:52	02/22/22 23:20	1

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Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1

SDG: 31403720.000 TASK35.02

Client Sample ID: BH02

Date Collected: 02/17/22 12:34

Method: Total BTEX - Total BTEX Calculation

Date Received: 02/21/22 11:51

Sample Depth: 0.5

Lab Sample ID: 890-1988-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 250 02/25/22 00:12 Chloride 11200 mg/Kg

Client Sample ID: BH02A Lab Sample ID: 890-1988-5 **Matrix: Solid**

Date Collected: 02/17/22 12:44 Date Received: 02/21/22 11:51

Sample Depth: 3

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 11:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/02/22 08:00	03/02/22 11:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/02/22 08:00	03/02/22 11:59	1

Method: 8015 NM - Diesel Range Org	anics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1
Mothod: 8015R NM - Diosal Pango Or	······································	BO) (CC)						

0.00400

Unit

mg/Kg

Prepared

Analyzed

03/02/22 16:19

Dil Fac

Result Qualifier

<0.00400 U

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130			02/22/22 15:52	02/22/22 23:42	1
o-Terphenyl	73		70 - 130			02/22/22 15:52	02/22/22 23:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	696		25.0	mg/Kg			02/25/22 00:18	5

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1

Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH02B Lab Sample ID: 890-1988-6

Date Collected: 02/17/22 12:47 Matrix: Solid Date Received: 02/21/22 11:51

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		03/02/22 08:00	03/02/22 12:19	
Toluene	<0.00202	U	0.00202	mg/Kg		03/02/22 08:00	03/02/22 12:19	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/02/22 08:00	03/02/22 12:19	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/02/22 08:00	03/02/22 12:19	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/02/22 08:00	03/02/22 12:19	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/02/22 08:00	03/02/22 12:19	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130			03/02/22 08:00	03/02/22 12:19	
1,4-Difluorobenzene (Surr)	104		70 - 130			03/02/22 08:00	03/02/22 12:19	
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/02/22 16:19	
Analyte Total TPH	<50.0	Qualifier U	RL 50.0	Unit mg/Kg	D	Prepared	Analyzed 02/23/22 11:22	Dil Fa
Total TPH -	<50.0	U	50.0	mg/Kg			02/23/22 11:22	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/22/22 15:52		Dil Fa
(GRO)-C6-C10				mg/Kg		02/22/22 10:02	02/23/22 00:24	
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/23/22 00:24 02/23/22 00:24	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0		50.0 50.0					
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52 02/22/22 15:52	02/23/22 00:24	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0	U	50.0	mg/Kg		02/22/22 15:52 02/22/22 15:52 Prepared	02/23/22 00:24 02/23/22 00:24 Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52 02/22/22 15:52	02/23/22 00:24	Dil Fa
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 **Recovery 92 94	U Qualifier	50.0 Limits 70 - 130	mg/Kg		02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 00:24 02/23/22 00:24 Analyzed 02/23/22 00:24	Dil Fa
Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 **Recovery 92 94 **comatography -	U Qualifier	50.0 Limits 70 - 130	mg/Kg	D	02/22/22 15:52 02/22/22 15:52 Prepared 02/22/22 15:52	02/23/22 00:24 02/23/22 00:24 Analyzed 02/23/22 00:24	Dil Fa

Client Sample ID: BH03 Lab Sample ID: 890-1988-7 Matrix: Solid

Date Collected: 02/17/22 13:24 Date Received: 02/21/22 11:51

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 08:00	03/02/22 12:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			03/02/22 08:00	03/02/22 12:40	

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1 SDG: 31403720.000 TASK35.02

Lab Sample ID: 890-1988-7

Client Sample ID: BH03

Date Collected: 02/17/22 13:24 Date Received: 02/21/22 11:51

Sample Depth: 0.5

Method: 8021B	- Volatile Organic	Compounds	(GC)	(Continued)
MICHIOU. UUZ ID	- voiatile Organic	Compounds		(Continueu)

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95	70 - 130	03/02/22 08:00	03/02/22 12:40	1

Method:	Total BT	FX - Tota	al BTFX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 16:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/23/22 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/23/22 00:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/23/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepai	red	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/22/22	15:52	02/23/22 00:46	1
o-Terphenyl	84		70 - 130	02/22/22	15:52	02/23/22 00:46	1

Method:	300.0 -	· Anions, I	on (Chroma	tograpi	ոy - Տ	Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		249	mg/Kg			02/25/22 00:43	50

Lab Sample ID: 890-1988-8 Client Sample ID: BH03A Matrix: Solid

Date Collected: 02/17/22 13:28 Date Received: 02/21/22 11:51

Sample Depth: 2

Mathadi 0004D	Valatile Overen	ic Compounds (GC)
Memoo: Auzib	- voianie Urdan	ic Compounds (GC)

Wethou: 6021B - Volatile Organ	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/02/22 08:00	03/02/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/02/22 08:00	03/02/22 13:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/02/22 08:00	03/02/22 13:00	1

Mothod:	Total RTEY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/02/22 16:19	1

н	Made al. COAF NIM Diana	D O! (DDO)	1/001
ı	Method: 8015 NM - Diese	Rande Ordanics (DRO)	1 ((=(.)
ı	Michiga. Colo IVIII Dicoc	range Organico (Bra	, , , , , ,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1

Client: WSP USA Inc.

Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH03A Lab Sample ID: 890-1988-8

Date Collected: 02/17/22 13:28 Date Received: 02/21/22 11:51

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U F1	50.0	mg/Kg		02/22/22 16:53	02/23/22 23:12	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U F1	50.0	mg/Kg		02/22/22 16:53	02/23/22 23:12	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/23/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130			02/22/22 16:53	02/23/22 23:12	1
o-Terphenyl	92		70 - 130			02/22/22 16:53	02/23/22 23:12	1
-		Solublo						
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Method: 300.0 - Anions, Ion Chro Analyte	0.,	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH03B Lab Sample ID: 890-1988-9 Matrix: Solid

Date Collected: 02/17/22 13:32 Date Received: 02/21/22 11:51

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 13:21	
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 13:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 13:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 13:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 13:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/02/22 08:00	03/02/22 13:21	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/02/22 08:00	03/02/22 13:21	1
- Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	П	0.00400	mg/Kg			03/02/22 16:19	1
	-0.00100	Ü	0.00400	mg/rtg			00/02/22 10.10	'
Method: 8015 NM - Diesel Range			0.00400	mg/Kg			00/02/22 10.13	ı
- ^{***} -	Organics (DR		RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC) Qualifier			D	Prepared		·
Method: 8015 NM - Diesel Range Analyte	e Organics (DR) Result <50.0	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR Result <50.0	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL 50.0	Unit mg/Kg			Analyzed 02/23/22 11:22	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	e Organics (DR Result <50.0 ge Organics (Di Result <50.0	Qualifier U RO) (GC) Qualifier U	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 02/22/22 16:53	Analyzed 02/23/22 11:22 Analyzed 02/24/22 00:14	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <50.0 ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	RL	Unit mg/Kg		Prepared	Analyzed 02/23/22 11:22 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	e Organics (DR Result <50.0 ge Organics (Di Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 02/22/22 16:53	Analyzed 02/23/22 11:22 Analyzed 02/24/22 00:14	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	e Organics (DR Result <50.0 ge Organics (Di Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 16:53	Analyzed 02/23/22 11:22 Analyzed 02/24/22 00:14 02/24/22 00:14	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR/Result <50.0 ge Organics (D/Result <50.0 <p><50.0</p> <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/22/22 16:53 02/22/22 16:53	Analyzed 02/23/22 11:22 Analyzed 02/24/22 00:14 02/24/22 00:14	Dil Fac Dil Fac 1

Matrix: Solid

Lab Sample ID: 890-1988-9

Client: WSP USA Inc. Job ID: 890-1988-1

Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH03B

Date Collected: 02/17/22 13:32 Date Received: 02/21/22 11:51

Sample Depth: 4

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.04	mg/Kg			02/25/22 00:56	1

Client Sample ID: BH04 Lab Sample ID: 890-1988-10

Date Collected: 02/17/22 14:09 Date Received: 02/21/22 11:51

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/02/22 08:00	03/02/22 13:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/02/22 08:00	03/02/22 13:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/02/22 08:00	03/02/22 13:41	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/02/22 16:19	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.6		49.9	mg/Kg			02/23/22 11:22	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/22/22 16:53	02/24/22 00:34	1
Diesel Range Organics (Over C10-C28)	51.6		49.9	mg/Kg		02/22/22 16:53	02/24/22 00:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/22/22 16:53	02/24/22 00:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130			02/22/22 16:53	02/24/22 00:34	1
o-Terphenyl	76		70 - 130			02/22/22 16:53	02/24/22 00:34	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		49.9	mg/Kg			02/25/22 01:03	10

Lab Sample ID: 890-1988-11

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1

Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH04A

Date Collected: 02/17/22 14:12 Date Received: 02/21/22 11:51

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 14:01	
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 14:01	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 14:01	
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/02/22 08:00	03/02/22 14:01	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/22 08:00	03/02/22 14:01	
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/02/22 08:00	03/02/22 14:01	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			03/02/22 08:00	03/02/22 14:01	
1,4-Difluorobenzene (Surr)	107		70 - 130			03/02/22 08:00	03/02/22 14:01	
Method: Total BTEX - Total BTE	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/02/22 16:19	-
Analyte Total TPH	61.4	Qualifier	RL 49.9	mg/Kg	<u>D</u>	Prepared	Analyzed 02/23/22 11:22	Dil Fa
Method: 8015B NM - Diesel Rang					_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/22/22 16:53	02/24/22 00:55	
(GRO)-C6-C10 Diesel Range Organics (Over	61.4		49.9	mg/Kg		02/22/22 16:53	02/24/22 00:55	
C10-C28)	01.4		40.0	mg/ng		02/22/22 10:00	02/24/22 00:00	
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/22/22 16:53	02/24/22 00:55	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	71		70 - 130			02/22/22 16:53	02/24/22 00:55	
o-Terphenyl	67	S1-	70 - 130			02/22/22 16:53	02/24/22 00:55	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH04B Lab Sample ID: 890-1988-12 Matrix: Solid

Date Collected: 02/17/22 14:17 Date Received: 02/21/22 11:51

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 14:22	
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 14:22	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 14:22	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 08:00	03/02/22 14:22	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 14:22	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 08:00	03/02/22 14:22	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			03/02/22 08:00	03/02/22 14:22	

Lab Sample ID: 890-1988-12

02/24/22 08:52

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-1988-1

Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH04B

Date Collected: 02/17/22 14:17 Date Received: 02/21/22 11:51

Sample Depth: 4

Chloride

urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
,4-Difluorobenzene (Surr)	96		70 - 130			03/02/22 08:00	03/02/22 14:22	1
Method: Total BTEX - Total BTE	X Calculation							
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 16:19	1
lethod: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)						
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<50.0	U	50.0	mg/Kg			02/23/22 11:22	1
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
lethod: 8015B NM - Diesel Ran	ge Organics (DI	RO) (GC)						
asoline Range Organics GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/24/22 01:16	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/24/22 01:16	1
:10-C28)				3 3				
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/24/22 01:16	1
urrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
-Chlorooctane	70		70 - 130			02/22/22 16:53	02/24/22 01:16	1
-Terphenyl	70		70 - 130			02/22/22 16:53	02/24/22 01:16	1

5.05

mg/Kg

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Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1986-A-1-F MS	Matrix Spike	126	100 61 S1-	
890-1986-A-1-G MSD	Matrix Spike Duplicate	105		
890-1988-1	BH01	134 S1+	141 S1+	
890-1988-2	BH01A	29 S1-	94	
890-1988-3	BH01B	109	94	
890-1988-3 MS	BH01B	99	101	
890-1988-3 MSD	BH01B	101	97	
890-1988-4	BH02	101	103	
890-1988-5	BH02A	110	101	
890-1988-6	BH02B	107	104	
890-1988-7	BH03	107	95	
890-1988-8	BH03A	105	100	
890-1988-9	BH03B	109	105	
890-1988-10	BH04	106	103	
890-1988-11	BH04A	89	107	
890-1988-12	BH04B	112	96	
LCS 880-20350/1-A	Lab Control Sample	113	99	
LCS 880-20437/1-A	Lab Control Sample	100	102	
LCSD 880-20350/2-A	Lab Control Sample Dup	123	108	
LCSD 880-20437/2-A	Lab Control Sample Dup	100	99	
MB 880-20350/5-A	Method Blank	98	84	
MB 880-20437/5-A	Method Blank	97	99	
	Method Blank	82	81	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

-			
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1985-A-1-B MS	Matrix Spike	79	84
890-1985-A-1-C MSD	Matrix Spike Duplicate	79	82
890-1988-1	BH01	101	104
890-1988-2	BH01A	65 S1-	67 S1-
890-1988-3	BH01B	74	76
890-1988-4	BH02	83	88
890-1988-5	BH02A	71	73
890-1988-6	BH02B	92	94
890-1988-7	BH03	79	84
890-1988-8	BH03A	67 S1-	92
890-1988-8 MS	вноза	74	62 S1-
890-1988-8 MSD	вноза	80	63 S1-
890-1988-9	внозв	66 S1-	67 S1-
890-1988-10	BH04	74	76
890-1988-11	BH04A	71	67 S1-
890-1988-12	ВН04В	70	70

Eurofins Carlsbad

Released to Imaging: 10/3/2022 11:54:27 AM

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4

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11

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Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

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 880-20088/2-A	Lab Control Sample	100	99					
LCSD 880-20088/3-A	Lab Control Sample Dup	109	104					
MB 880-20088/1-A	Method Blank	80	89					
Surrogate Legend								
1CO = 1-Chlorooctane								

OTPH = o-Terphenyl

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-20076/2-A	Lab Control Sample	107	112	
LCSD 880-20076/3-A	Lab Control Sample Dup	97	110	
MB 880-20076/1-A	Method Blank	92	100	
Surrogate Legend				
1CO = 1-Chlorooctane				

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20350/5-A

Matrix: Solid

Analysis Batch: 20575

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 20350

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 11:00	03/02/22 00:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/22 11:00	03/02/22 00:18	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/01/22 11:0	03/02/22 00:18	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/01/22 11:0	03/02/22 00:18	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-20350/1-A

Matrix: Solid

Analysis Batch: 20575

Prep Type: Total/NA

Prep Batch: 20350

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08512		mg/Kg		85	70 - 130	
Toluene	0.100	0.08960		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.09306		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: LCSD 880-20350/2-A

Matrix: Solid

Analysis Batch: 20575

Client Sample ID: Lab Control Sample Dup	Client Sam	ple ID: Lab	Control San	iple Dup
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Prep Type: Total/NA

Prep Batch: 20350

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09909		mg/Kg		99	70 - 130	15	35	
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	19	35	
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	17	35	
m-Xylene & p-Xylene	0.200	0.2299		mg/Kg		115	70 - 130	15	35	
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130	14	35	

LCSD LCSD

Surrogate	%Recovery Qu	ıalifier	Limits		
4-Bromofluorobenzene (Surr)	123		70 - 130		
1.4-Difluorobenzene (Surr)	108		70 - 130		

Lab Sample ID: 890-1986-A-1-F MS

Matrix: Solid

Analysis Batch: 20575

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

Prep Batch: 20350

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0990	0.06939		mg/Kg		70	70 - 130	
Toluene	< 0.00200	U F1	0.0990	0.07681		mg/Kg		78	70 - 130	

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

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

Lab Sample ID: 890-1986-A-1-F MS

Lab Sample ID: 890-1986-A-1-G MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 20575

Analysis Batch: 20575

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20350

Sample	Sample	Spike	MS	MS				%Rec.	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00200	U F1	0.0990	0.04867	F1	mg/Kg		49	70 - 130	
<0.00399	U F1	0.198	0.1659		mg/Kg		84	70 - 130	
<0.00200	U F1	0.0990	0.08447		mg/Kg		85	70 - 130	
	Result <0.00200 <0.00399	Result Qualifier	Result Qualifier Added <0.00200	Result Qualifier Added Result <0.00200	Result Qualifier Added Result Qualifier <0.00200	Result Qualifier Added Result Qualifier Unit <0.00200	Result Qualifier Added Result Qualifier Unit D <0.00200	Result Qualifier Added Result Qualifier Unit D %Rec <0.00200	Result Qualifier Added Added Result Qualifier Unit D %Rec Limits <0.00200

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20350

RPD

Sample Sample Spike MSD MSD %Rec. Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.0998 0.05719 F1 Benzene <0.00200 UF1 mg/Kg 57 70 - 130 19 35 Toluene 0.0998 0.05912 F1 70 - 130 <0.00200 UF1 mg/Kg 59 26 35 Ethylbenzene <0.00200 UF1 0.0998 0.06528 F1 mg/Kg 65 70 - 130 29 35 m-Xylene & p-Xylene <0.00399 UF1 0.200 0.1318 F1 70 - 130 23 35 mg/Kg 66 0.0998 o-Xylene <0.00200 U F1 0.06492 F1 65 70 - 130 26 mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	105		70 - 130		
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130		

Lab Sample ID: MB 880-20437/5-A

Matrix: Solid

Analysis Batch: 20657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20437

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 10:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 10:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 10:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 10:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 08:00	03/02/22 10:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 08:00	03/02/22 10:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/02/22 08:00	03/02/22 10:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/02/22 08:00	03/02/22 10:49	1

Lab Sample ID: LCS 880-20437/1-A

Matrix: Solid

Analysis Batch: 20657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20437

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
Benzene	0.100	0.1060	m	ıg/Kg	106	70 - 130	
Toluene	0.100	0.09736	m	ıg/Kg	97	70 - 130	
Ethylbenzene	0.100	0.09807	m	ıg/Kg	98	70 - 130	
m-Xylene & p-Xylene	0.200	0.2283	m	ıg/Kg	114	70 - 130	

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

Prep Batch: 20437

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

Lab Sample ID: LCS 880-20437/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 20657** Prep Batch: 20437

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-20437/2-A **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Solid Analysis Batch: 20657

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1074		mg/Kg		107	70 - 130	1	35
Toluene	0.100	0.09925		mg/Kg		99	70 - 130	2	35
Ethylbenzene	0.100	0.09990		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2315		mg/Kg		116	70 - 130	1	35
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1988-3 MS Client Sample ID: BH01B **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 20657 Prep Batch: 20437 Comple Comple Cnika

	Sample	Sample	Spike	IVIS	IVIS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08921		mg/Kg		88	70 - 130	
Toluene	<0.00200	U F1	0.100	0.07678		mg/Kg		75	70 - 130	
Ethylbenzene	<0.00200	U F1	0.100	0.07371		mg/Kg		72	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1700		mg/Kg		85	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08898		mg/Kg		89	70 - 130	

o-Xylene	<0.00200	U	0.100	0.08898	mg/Kg	
	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	99		70 - 130			

101

Lab Sample ID: 890-1988-3 MSD Client Sample ID: BH01B **Matrix: Solid** Prep Type: Total/NA

70 - 130

Analysis Batch: 20657 Prep Batch: 20437

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.07968		mg/Kg		79	70 - 130	11	35
Toluene	<0.00200	U F1	0.0998	0.06704	F1	mg/Kg		66	70 - 130	14	35
Ethylbenzene	<0.00200	U F1	0.0998	0.06299	F1	mg/Kg		62	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1442		mg/Kg		72	70 - 130	16	35
o-Xylene	<0.00200	U	0.0998	0.07696		mg/Kg		77	70 - 130	14	35

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1,4-Difluorobenzene (Surr)

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1

SDG: 31403720.000 TASK35.02

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

Lab Sample ID: 890-1988-3 MSD

Lab Sample ID: MB 880-20575/8

Matrix: Solid

Analysis Batch: 20657

Client Sample ID: BH01B

Prep Type: Total/NA

Prep Batch: 20437

	MSD	MSD
Surrogate	%Recovery	Qualifier

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Client Sample ID: Method Blank

03/01/22 04:23

03/01/22 04:23

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 20575

	MB	B MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1		
Toluene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1		
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/01/22 04:23	1		
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			03/01/22 04:23	1		

0.00200

0.00400

mg/Kg

mg/Kg

MB MB

<0.00200 U

<0.00400 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82	70 - 130		03/01/22 04:23	1
1,4-Difluorobenzene (Surr)	81	70 - 130		03/01/22 04:23	1

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

Lab Sample ID: MB 880-20076/1-A

Matrix: Solid

o-Xylene

Xylenes, Total

Analysis Batch: 20020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20076

Analyte	Result	Qual

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 18:46	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 18:46	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 15:52	02/22/22 18:46	1

MB MB

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/22/22 15:52	02/22/22 18:46	1
o-Terphenyl	100		70 - 130	02/22/22 15:52	02/22/22 18:46	1

Lab Sample ID: LCS 880-20076/2-A

Released to Imaging: 10/3/2022 11:54:27 AM

Matrix: Solid

Analysis Batch: 20020

lient	Sample	ID: Lab	Control	Sample

Prep Type: Total/NA Prep Batch: 20076

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline	Range Organics	1000	926.5		mg/Kg		93	70 - 130	
(GRO)-0	C6-C10								
Diesel R	ange Organics (Over	1000	969.7		mg/Kg		97	70 - 130	
040 000	2)								

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	107	70 - 130
o-Terphenyl	112	70 - 130

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Job ID: 890-1988-1 Client: WSP USA Inc. Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

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

Lab Sample ID: LCSD 880-20076/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 20020 Prep Type: Total/NA Prep Batch: 20076

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	904.1		mg/Kg		90	70 - 130	2	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	910.9		mg/Kg		91	70 - 130	6	20	

C10-C28)

Lab Sample ID: 890-1985-A-1-B MS

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 97 70 - 130 o-Terphenyl 110

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 20020

Prep Batch: 20076

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	1471	F1	mg/Kg		144	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1563	F1	mg/Kg		153	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 79 70 - 130 o-Terphenyl 84 70 - 130

Lab Sample ID: 890-1985-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 20020 Prep Type: Total/NA Prep Batch: 20076

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1514	F1	mg/Kg		149	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1556	F1	mg/Kg		153	70 - 130	0	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 79 70 - 130 82 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 20088 мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg	_	02/22/22 16:53	02/23/22 22:07	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/23/22 22:07	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/22 16:53	02/23/22 22:07	1

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Lab Sample ID: MB 880-20088/1-A

Matrix: Solid

Analysis Batch: 20116

Job ID: 890-1988-1

Client: WSP USA Inc. SDG: 31403720.000 TASK35.02 Project/Site: BOMBAY BSB FED COM1

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

Lab Sample ID: MB 880-20088/1-A

Matrix: Solid

Analysis Batch: 20116

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20088

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/22/22 16:	02/23/22 22:07	1
o-Terphenyl	89		70 - 130	02/22/22 16:	53 02/23/22 22:07	1

Lab Sample ID: LCS 880-20088/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 20116

Prep Type: Total/NA

Prep Batch: 20088

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	823.1		mg/Kg		82	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	951.1		mg/Kg		95	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	99		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 20116

Lab Sample ID: LCSD 880-20088/3-A

Prep Batch: 20088

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	936.3		mg/Kg		94	70 - 130	13	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1052		mg/Kg		105	70 - 130	10	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	109	70 - 130
o-Terphenyl	104	70 - 130

Lab Sample ID: 890-1988-8 MS Client Sample ID: BH03A **Matrix: Solid**

Analysis Batch: 20116

Prep Type: Total/NA Prep Batch: 20088

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U F1	1000	1299		mg/Kg		130	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U F1	1000	1364	F1	mg/Kg		133	70 - 130	
C10-C28)										

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	62	S1-	70 - 130

Job ID: 890-1988-1 Client: WSP USA Inc.

SDG: 31403720.000 TASK35.02

Project/Site: BOMBAY BSB FED COM1

Lab Sample ID: 890-1988-8 MSD

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

Matrix: Solid

Analysis Batch: 20116

	Client Sample II): BH03A	
	Prep Type:	Total/NA	
	Prep Bate	ch: 20088	
MCD	0/ Dag	DDD	

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1452	F1	mg/Kg		145	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1420	F1	mg/Kg		139	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	63	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20131/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 20163

мв мв

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	<5.00	U	5.00	mg/Kg			02/24/22 08:26	1

Lab Sample ID: LCS 880-20131/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 20163

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	246.0		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-20131/3-A

Matrix: Solid

Analysis Batch: 20163

-	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	 250	246.3		ma/Ka		99	90 - 110		20

Lab Sample ID: 890-1988-12 MS Client Sample ID: BH04B

Matrix: Solid

Analysis Batch: 20163

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	188		253	152.1		ma/Ka		104	90 110	

Lab Sample ID: 890-1988-12 MSD

Matrix: Solid

Analysis Batch: 20163											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	188		253	440.2		ma/Ka		100	90 - 110	3	20

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Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: BH04B

Prep Type: Soluble

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-20135/1-A

Matrix: Solid

Analysis Batch: 20167

Analyte

Chloride

Client Sample ID: Method Blank **Prep Type: Soluble**

MB MB Dil Fac Result Qualifier RL Unit D Prepared Analyzed <5.00 U 5.00 mg/Kg 02/24/22 22:05

Lab Sample ID: LCS 880-20135/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 20167

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 249.6 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-20135/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 20167

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

Lab Sample ID: 890-1988-3 MS Client Sample ID: BH01B **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 20167

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 329.0 Chloride 81.9 F1 249 90 - 110 mg/Kg

Lab Sample ID: 890-1988-3 MSD

Matrix: Solid

Analysis Batch: 20167

Sample Sample Spike MSD MSD %Rec. RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride 81.9 F1 249 299.9 F1 88 mg/Kg 90 - 110 20

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Client Sample ID: BH01B

Prep Type: Soluble

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

GC VOA

Prep Batch: 20350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	5035	
890-1988-2	BH01A	Total/NA	Solid	5035	
MB 880-20350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1986-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-1986-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-3	BH01B	Total/NA	Solid	5035	
890-1988-4	BH02	Total/NA	Solid	5035	
890-1988-5	BH02A	Total/NA	Solid	5035	
890-1988-6	BH02B	Total/NA	Solid	5035	
890-1988-7	BH03	Total/NA	Solid	5035	
890-1988-8	BH03A	Total/NA	Solid	5035	
890-1988-9	внозв	Total/NA	Solid	5035	
890-1988-10	BH04	Total/NA	Solid	5035	
890-1988-11	BH04A	Total/NA	Solid	5035	
890-1988-12	BH04B	Total/NA	Solid	5035	
MB 880-20437/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20437/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20437/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1988-3 MS	BH01B	Total/NA	Solid	5035	
890-1988-3 MSD	BH01B	Total/NA	Solid	5035	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	8021B	20350
890-1988-2	BH01A	Total/NA	Solid	8021B	20350
MB 880-20350/5-A	Method Blank	Total/NA	Solid	8021B	20350
MB 880-20575/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-20350/1-A	Lab Control Sample	Total/NA	Solid	8021B	20350
LCSD 880-20350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20350
890-1986-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	20350
890-1986-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20350

Analysis Batch: 20657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-3	BH01B	Total/NA	Solid	8021B	20437
890-1988-4	BH02	Total/NA	Solid	8021B	20437
890-1988-5	BH02A	Total/NA	Solid	8021B	20437
890-1988-6	BH02B	Total/NA	Solid	8021B	20437
890-1988-7	BH03	Total/NA	Solid	8021B	20437
890-1988-8	BH03A	Total/NA	Solid	8021B	20437
890-1988-9	внозв	Total/NA	Solid	8021B	20437
890-1988-10	BH04	Total/NA	Solid	8021B	20437
890-1988-11	BH04A	Total/NA	Solid	8021B	20437
890-1988-12	BH04B	Total/NA	Solid	8021B	20437
MB 880-20437/5-A	Method Blank	Total/NA	Solid	8021B	20437
LCS 880-20437/1-A	Lab Control Sample	Total/NA	Solid	8021B	20437

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Job ID: 890-1988-1 Client: WSP USA Inc. Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

GC VOA (Continued)

Analysis Batch: 20657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20437/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20437
890-1988-3 MS	BH01B	Total/NA	Solid	8021B	20437
890-1988-3 MSD	BH01B	Total/NA	Solid	8021B	20437

Analysis Batch: 20711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	Total BTEX	
890-1988-2	BH01A	Total/NA	Solid	Total BTEX	
890-1988-3	BH01B	Total/NA	Solid	Total BTEX	
890-1988-4	BH02	Total/NA	Solid	Total BTEX	
890-1988-5	BH02A	Total/NA	Solid	Total BTEX	
890-1988-6	BH02B	Total/NA	Solid	Total BTEX	
890-1988-7	BH03	Total/NA	Solid	Total BTEX	
890-1988-8	BH03A	Total/NA	Solid	Total BTEX	
890-1988-9	BH03B	Total/NA	Solid	Total BTEX	
890-1988-10	BH04	Total/NA	Solid	Total BTEX	
890-1988-11	BH04A	Total/NA	Solid	Total BTEX	
890-1988-12	BH04B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	8015B NM	20076
890-1988-2	BH01A	Total/NA	Solid	8015B NM	20076
890-1988-3	BH01B	Total/NA	Solid	8015B NM	20076
890-1988-4	BH02	Total/NA	Solid	8015B NM	20076
890-1988-5	BH02A	Total/NA	Solid	8015B NM	20076
890-1988-6	BH02B	Total/NA	Solid	8015B NM	20076
890-1988-7	BH03	Total/NA	Solid	8015B NM	20076
MB 880-20076/1-A	Method Blank	Total/NA	Solid	8015B NM	20076
LCS 880-20076/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20076
LCSD 880-20076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20076
890-1985-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	20076
890-1985-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20076

Prep Batch: 20076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	8015NM Prep	
890-1988-2	BH01A	Total/NA	Solid	8015NM Prep	
890-1988-3	BH01B	Total/NA	Solid	8015NM Prep	
890-1988-4	BH02	Total/NA	Solid	8015NM Prep	
890-1988-5	BH02A	Total/NA	Solid	8015NM Prep	
890-1988-6	BH02B	Total/NA	Solid	8015NM Prep	
890-1988-7	BH03	Total/NA	Solid	8015NM Prep	
MB 880-20076/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20076/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1985-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1985-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1 SDG: 31403720.000 TASK35.02

GC Semi VOA

Prep Batch: 20088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-8	BH03A	Total/NA	Solid	8015NM Prep	
890-1988-9	внозв	Total/NA	Solid	8015NM Prep	
890-1988-10	BH04	Total/NA	Solid	8015NM Prep	
890-1988-11	BH04A	Total/NA	Solid	8015NM Prep	
890-1988-12	BH04B	Total/NA	Solid	8015NM Prep	
MB 880-20088/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20088/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1988-8 MS	ВН03А	Total/NA	Solid	8015NM Prep	
890-1988-8 MSD	BH03A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-8	ВН03А	Total/NA	Solid	8015B NM	20088
890-1988-9	внозв	Total/NA	Solid	8015B NM	20088
890-1988-10	BH04	Total/NA	Solid	8015B NM	20088
890-1988-11	BH04A	Total/NA	Solid	8015B NM	20088
890-1988-12	BH04B	Total/NA	Solid	8015B NM	20088
MB 880-20088/1-A	Method Blank	Total/NA	Solid	8015B NM	20088
LCS 880-20088/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20088
LCSD 880-20088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20088
890-1988-8 MS	BH03A	Total/NA	Solid	8015B NM	20088
890-1988-8 MSD	вноза	Total/NA	Solid	8015B NM	20088

Analysis Batch: 20145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Total/NA	Solid	8015 NM	_
890-1988-2	BH01A	Total/NA	Solid	8015 NM	
890-1988-3	BH01B	Total/NA	Solid	8015 NM	
890-1988-4	BH02	Total/NA	Solid	8015 NM	
890-1988-5	BH02A	Total/NA	Solid	8015 NM	
890-1988-6	BH02B	Total/NA	Solid	8015 NM	
890-1988-7	BH03	Total/NA	Solid	8015 NM	
890-1988-8	BH03A	Total/NA	Solid	8015 NM	
890-1988-9	BH03B	Total/NA	Solid	8015 NM	
890-1988-10	BH04	Total/NA	Solid	8015 NM	
890-1988-11	BH04A	Total/NA	Solid	8015 NM	
890-1988-12	BH04B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1988-12	BH04B	Soluble	Solid	DI Leach	
MB 880-20131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1988-12 MS	BH04B	Soluble	Solid	DI Leach	
890-1988-12 MSD	BH04B	Soluble	Solid	DI Leach	

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

HPLC/IC

Leach Batch: 20135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Soluble	Solid	DI Leach	
890-1988-2	BH01A	Soluble	Solid	DI Leach	
890-1988-3	BH01B	Soluble	Solid	DI Leach	
890-1988-4	BH02	Soluble	Solid	DI Leach	
890-1988-5	BH02A	Soluble	Solid	DI Leach	
890-1988-6	BH02B	Soluble	Solid	DI Leach	
890-1988-7	BH03	Soluble	Solid	DI Leach	
890-1988-8	BH03A	Soluble	Solid	DI Leach	
890-1988-9	BH03B	Soluble	Solid	DI Leach	
890-1988-10	BH04	Soluble	Solid	DI Leach	
890-1988-11	BH04A	Soluble	Solid	DI Leach	
MB 880-20135/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20135/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20135/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1988-3 MS	BH01B	Soluble	Solid	DI Leach	
890-1988-3 MSD	BH01B	Soluble	Solid	DI Leach	

Analysis Batch: 20163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-12	BH04B	Soluble	Solid	300.0	20131
MB 880-20131/1-A	Method Blank	Soluble	Solid	300.0	20131
LCS 880-20131/2-A	Lab Control Sample	Soluble	Solid	300.0	20131
LCSD 880-20131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20131
890-1988-12 MS	BH04B	Soluble	Solid	300.0	20131
890-1988-12 MSD	BH04B	Soluble	Solid	300.0	20131

Analysis Batch: 20167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1988-1	BH01	Soluble	Solid	300.0	20135
890-1988-2	BH01A	Soluble	Solid	300.0	20135
890-1988-3	BH01B	Soluble	Solid	300.0	20135
890-1988-4	BH02	Soluble	Solid	300.0	20135
890-1988-5	BH02A	Soluble	Solid	300.0	20135
890-1988-6	BH02B	Soluble	Solid	300.0	20135
890-1988-7	BH03	Soluble	Solid	300.0	20135
890-1988-8	BH03A	Soluble	Solid	300.0	20135
890-1988-9	внозв	Soluble	Solid	300.0	20135
890-1988-10	BH04	Soluble	Solid	300.0	20135
890-1988-11	BH04A	Soluble	Solid	300.0	20135
MB 880-20135/1-A	Method Blank	Soluble	Solid	300.0	20135
LCS 880-20135/2-A	Lab Control Sample	Soluble	Solid	300.0	20135
LCSD 880-20135/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20135
890-1988-3 MS	BH01B	Soluble	Solid	300.0	20135
890-1988-3 MSD	BH01B	Soluble	Solid	300.0	20135

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3

4

0

8

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11

12

Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

Client Sample ID: BH01

Lab Sample ID: 890-1988-1

Matrix: Solid

Date Collected: 02/17/22 11:34 Date Received: 02/21/22 11:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20350	03/01/22 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20575	03/02/22 09:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 22:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		50			20167	02/24/22 23:40	SC	XEN MID

Client Sample ID: BH01A Lab Sample ID: 890-1988-2

Date Collected: 02/17/22 11:42 Matrix: Solid

Date Received: 02/21/22 11:51

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.99 g 5 mL 20350 03/01/22 11:00 KL XEN MID 8021B 03/02/22 11:43 Total/NA Analysis 1 5 mL 5 mL 20575 MR XEN MID 03/02/22 16:19 Total/NA Total BTEX 20711 Analysis A.I XEN MID 1 Total/NA Analysis 8015 NM 20145 02/23/22 11:22 XEN MID Total/NA 8015NM Prep 10.03 g 20076 02/22/22 15:52 DM XEN MID Prep 10 mL Total/NA Analysis 8015B NM 20020 02/22/22 22:37 AJ XEN MID Soluble DI Leach 4.95 g 50 mL 20135 02/23/22 10:11 CH **XEN MID** Leach Soluble Analysis 300.0 5 20167 02/24/22 23:46 SC XEN MID

Client Sample ID: BH01B Lab Sample ID: 890-1988-3

Date Collected: 02/17/22 11:49 Date Received: 02/21/22 11:51

Dil Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 03/02/22 08:00 Total/NA Prep 5035 4.99 g 5 mL 20437 KL **XEN MID** Total/NA Analysis 8021B 5 mL 5 mL 20657 03/02/22 11:18 MR XEN MID Total/NA Total BTEX 20711 03/02/22 16:19 XEN MID Analysis 1 A.I Total/NA Analysis 8015 NM 20145 02/23/22 11:22 AJ XEN MID Total/NA Prep 8015NM Prep 10.01 g 10 mL 20076 02/22/22 15:52 DM XEN MID Total/NA 8015B NM 20020 02/22/22 22:59 XEN MID Analysis 1

Lab Sample ID: 890-1988-4 **Client Sample ID: BH02**

1

5.02 g

50 mL

20135

20167

02/23/22 10:11

02/24/22 23:53

CH

SC

Date Collected: 02/17/22 12:34 Date Received: 02/21/22 11:51

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 11:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID

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XEN MID

XEN MID

Matrix: Solid

Matrix: Solid

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1

SDG: 31403720.000 TASK35.02

Client Sample ID: BH02

Date Collected: 02/17/22 12:34 Date Received: 02/21/22 11:51

Lab Sample ID: 890-1988-4

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM Analysis 20145 02/23/22 11:22 AJ XEN MID Total/NA Prep 8015NM Prep 10.00 g 10 mL 20076 02/22/22 15:52 DM XEN MID Total/NA Analysis 8015B NM 20020 02/22/22 23:20 ΑJ XEN MID 1 20135 02/23/22 10:11 CH XEN MID Soluble Leach DI Leach 5 g 50 mL 300.0 20167 02/25/22 00:12 SC Soluble Analysis 50 XEN MID

Client Sample ID: BH02A Lab Sample ID: 890-1988-5

Date Collected: 02/17/22 12:44 Date Received: 02/21/22 11:51

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 11:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 23:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		5			20167	02/25/22 00:18	SC	XEN MID

Client Sample ID: BH02B Lab Sample ID: 890-1988-6 Date Collected: 02/17/22 12:47

Date Received: 02/21/22 11:51

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 12:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20076	02/22/22 15:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/23/22 00:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		1			20167	02/25/22 00:37	SC	XEN MID

Client Sample ID: BH03 Lab Sample ID: 890-1988-7

Date Collected: 02/17/22 13:24 Date Received: 02/21/22 11:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 12:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g	10 mL	20076 20020	02/22/22 15:52 02/23/22 00:46	DM AJ	XEN MID XEN MID

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Lab Chronicle

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1 SDG: 31403720.000 TASK35.02

Client Sample ID: BH03

Date Collected: 02/17/22 13:24 Date Received: 02/21/22 11:51

Lab Sample ID: 890-1988-7

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	20135	02/23/22 10:11	СН	XEN MID
Soluble	Analysis	300.0		50			20167	02/25/22 00:43	SC	XEN MID

Client Sample ID: BH03A Lab Sample ID: 890-1988-8

Date Collected: 02/17/22 13:28 Date Received: 02/21/22 11:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 13:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/23/22 23:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		5			20167	02/25/22 00:50	SC	XEN MID

Client Sample ID: BH03B Lab Sample ID: 890-1988-9

Date Collected: 02/17/22 13:32

Date Received: 02/21/22 11:51

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 13:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/24/22 00:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		1			20167	02/25/22 00:56	SC	XEN MID

Client Sample ID: BH04

Date Collected: 02/17/22 14:09

Date Received: 02/21/22 11:51

Lab Sample ID: 890-198	8-10
------------------------	------

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 13:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/24/22 00:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		10			20167	02/25/22 01:03	SC	XEN MID

Lab Chronicle

 Client: WSP USA Inc.
 Job ID: 890-1988-1

 Project/Site: BOMBAY BSB FED COM1
 SDG: 31403720.000 TASK35.02

Client Sample ID: BH04A

Lab Sample ID: 890-1988-11

Date Collected: 02/17/22 14:12

Date Received: 02/21/22 11:51

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 14:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/24/22 00:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20135	02/23/22 10:11	CH	XEN MID
Soluble	Analysis	300.0		1			20167	02/25/22 01:09	SC	XEN MID

Client Sample ID: BH04B

Date Collected: 02/17/22 14:17

Lab Sample ID: 890-1988-12

Matrix: Solid

Date Received: 02/21/22 11:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20437	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 14:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20711	03/02/22 16:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20145	02/23/22 11:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/24/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 08:52	CH	XEN MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1988-1 Project/Site: BOMBAY BSB FED COM1

SDG: 31403720.000 TASK35.02

Laboratory: Eurofins Midland

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

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

Method Summary

Client: WSP USA Inc.

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: BOMBAY BSB FED COM1

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-1988-1

SDG: 31403720.000 TASK35.02

XEN MID

XEN MID

Protocol	Laboratory
SW846	XEN MID
TAL SOP	XEN MID
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID
SW846	XEN MID

SW846

ASTM

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

Eurofins Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: BOMBAY BSB FED COM1

Job ID: 890-1988-1

SDG: 31403720.000 TASK35.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1988-1	BH01	Solid	02/17/22 11:34	02/21/22 11:51	0.5
890-1988-2	BH01A	Solid	02/17/22 11:42	02/21/22 11:51	2
890-1988-3	BH01B	Solid	02/17/22 11:49	02/21/22 11:51	4
890-1988-4	BH02	Solid	02/17/22 12:34	02/21/22 11:51	0.5
890-1988-5	BH02A	Solid	02/17/22 12:44	02/21/22 11:51	3
890-1988-6	BH02B	Solid	02/17/22 12:47	02/21/22 11:51	4
890-1988-7	BH03	Solid	02/17/22 13:24	02/21/22 11:51	0.5
890-1988-8	вноза	Solid	02/17/22 13:28	02/21/22 11:51	2
890-1988-9	внозв	Solid	02/17/22 13:32	02/21/22 11:51	4
890-1988-10	BH04	Solid	02/17/22 14:09	02/21/22 11:51	0.5
890-1988-11	BH04A	Solid	02/17/22 14:12	02/21/22 11:51	2
890-1988-12	BH04B	Solid	02/17/22 14:17	02/21/22 11:51	4

X III Z OO

Project Manager:

Company Name: Address:

> WSP USA Kalei Jennings

3300 North A Street Building 1, unit 222

City, State ZIP:

Midland, Texas 79705

City, State ZIP:

Midland, Texas 79705

Deliverables: EDD

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Chain of Custody

Work Order No:

www.xenco.com

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☐RP ☐rownfields ☐RC Work Order Comments

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City, State ZIP:	, unit 222 Address:	Company Name: WSP USA	Bill to: (if different)	bbs,NM (575-392-7550) Phoenix,AZ (Midland,TX (432-704-5440)	Houston,TX (281) 240-4200
Midland, Texas 79705	3300 North A Street Building 1, unit 222	WSPUSA	Kalei Jennings	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Reporting:Level II	State of Project:	Program: UST/PST		3-620-2000) <u>v</u>		

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Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Date/Time	Dat		Received by: (Signature	Received by		(Signature)	Relinquished by: (Signature)
	nd conditions ond the control gotiated.	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.	o, its affilia urred by th not analyze	ny to Xenc penses inc enco, but i	ent compai	se order from cli sibility for any lo each sample sub	es a valid purcha sume any respon charge of \$5 for	samples constitut s and shall not as: ach project and a	quishment of a ost of sample we applied to e	ocument and reliniable only for the crige of \$75.00 will be	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors 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 a 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 a
1631 / 245.1 / 7470 / 7471 : Hg		Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Be Cd	As Ba	Sp.	6010: 8RCRA	TCLP / SPLP 6010:		s) to be an	s) and Metal(Circle Method(s) and Metal(s) to be analyzed
Sn U V Zn	Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn ∪ V Zn	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo	Be B C	As Ba	Al Sb	Texas 11	8RCRA 13PPM	8RC	6020:)10 200.8 / 6020:	Total 200.7 / 6010
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DISCRETE			×	×	- ×	4	13:32	02/17/22	S	В	внозв
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DISCRETE			×	×	-1 ×	0.5	12:34	02/17/22	S	2	BH02
DISCRETE			×	×	1 ×	4	11:49	02/17/22	S	В	ВН01В
DISCRETE			×	×	-1 ×	2	11:42	02/17/22	S	Α	BH01A
DISCRETE			×	×	-1 ×	0.5	11:34	02/17/22	S	1	BH01
Sample Comments	Sa		Chlorid	BTEX (Numbe	Depth	Time Sampled	Date Sampled	Matrix	tification	Sample Identification
lab, if received by 4:30pm		890-1988 Chain of Custody	e (EF	+-	-		Total Containers:	Total	No (N/A)	Yes	Sample Custody Seals:
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			00.0	021)	ntai ——		13	1-N/n-	No No	A SEA	Received Intact:
)		ners		Thermometer ID	T.	<u>8</u>	7.0	Temperature (°C):
					3	No Ces	Wet Ice:	Yes No	Temp Blank:		SAMPLE RECEIPT
						ite:	Due Date:			Payton Benner	Sampler's Name:
							Rush:				P.O. Number:
							Routine	ask 35.02	31403720.000 Task 35.02	31403	Project Number:
Work Order Notes	W	ANALYSIS REQUEST				Turn Around	Turn		Fed Com	Bombay BSB Fed Com	Project Name:
	100				O. CCAA @	Email: Naiei ei ii ii ii gs @ wsp.com	Emaii: J	L		817-683-2503	Phone:

Chain of Custody

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LAS	ABORATORIES		Midlan	d,TX (432-704-544	0) EL Paso	5,TX (915)5	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296		U	ه د د
Project Manager:	Kalei Jennings		Pec-c/c) MNI'sddoL	Bill to: (if different)	Kale	Kalei Jennings	Bill to: (if different) Kalei Jennings		Work Order Comments	
	WSP USA			Company Name:		WSP USA		Program: UST/PST	□RP □rownfields	☐RC ☐perfund ☐
	3300 North A Street Building 1, unit 222	reet Building 1,	unit 222	Address:		North A	3300 North A Street Building 1, unit 222			
te ZIP:	Midland, Texas 79705	79705		City, State ZIP:	Mid	Midland, Texas 79705	79705	Reporting:Level II	Devel III T/UST 1	TRP L[vel IV
	817-683-2503		Emai	Email: Kalei.jennings@wsp.com	@wsp.co	m		Deliverables: EDD	ADaPT []	Other:
Name:	Bombay BSB Fed Com	ed Com 1	1	Turn Around			ANALYSIS REC	REQUEST	V	Work Order Notes
er:	3140372	31403720.000 Task 35.02	Ro	tine []						
P.O. Number:				h:						
me:	Payton Benner		Due	Due Date:						
SAMPLE RECEIPT		Temp Blank: Yes	No Wet Ice:	Yes No			5	1		
Temperature (°C):			inermometer ib	a \	ners)			
Received Intact:	Yes	るのは				1021)	300.0			
Sample Custody Seals:	s: Yes No	N/A N/A	Total Containers:			PA 0=	(EPA		TAT si	TAT starts the day recevied by the lab, if received by 4:30pm
Sample Identification	fication	Matrix Sampled	e Time	Depth	Numbe	BTEX (I	Chlorid		Ø	Sample Comments
BH04A		S 02/1	02/17/22 14:12	2	×	×	×			DISCRETE
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Total 200.7 / 6010 Circle Method(s) ¿	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	020: to be analyzed	8RCRA 13F TCLP / SF	RCRA 13PPM Texas 11 AI		Sb As Ba E Sb As Ba E	Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		Se Ag SiO2 Na Sr TI 1631/245.	Na Sr Tl Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg
Notice: Signature of this do of service. Xenco will be lis of Xenco. A minimum char	ocument and relinqui able only for the cost rge of \$75.00 will be a	shment of samples of samples and sha	constitutes a valid pu ill not assume any re- ict and a charge of \$5	rchase order from c sponsibility for any l for each sample su	ient compar osses or exp omitted to X	ny to Xenco, penses incu enco, but no	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.	It assigns standard terms and conditions edue to circumstances beyond the control forced unless previously negotiated.	nrol	
Relinquished by: (Signature)	(Signature)	Rece	Received by: (Signature)	ure)	Dat	Date/Time	Relinquished by: (Sigr	(Signature) Receive	Received by: (Signature)	Date/Time
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										Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1988-1

SDG Number: 31403720.000 TASK35.02

SDG Number: 31403720.000 TASK35.02

Login Number: 1988

List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1988-1

SDG Number: 31403720.000 TASK35.02

List Source: Eurofins Midland List Creation: 02/22/22 02:59 PM

List Number: 2

Creator: Rodriguez, Leticia

Login Number: 1988

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

Eurofins Carlsbad

Released to Imaging: 10/3/2022 11:54:27 AM

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2998-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Bombay BSB Fed Com

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

MRAMER

Authorized for release by: 9/23/2022 1:22:50 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Links

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 10/3/2022 11:54:27 AM

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

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

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Client: Ensolum
Project/Site: Bombay BSB Fed Com
Laboratory Job ID: 890-2998-1
SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Ensolum Job ID: 890-2998-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

County NM

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

GC Semi VOA

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

U Indicates the analyte was analyzed for but not detected.

Glossary

EDL

LOD

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)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin)
Limit of Detection (DoD/DOE)

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

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit
PDES Procumptive

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: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

Job ID: 890-2998-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2998-1

Receipt

The samples were received on 9/19/2022 11:05 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 4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH05 (890-2998-1), PH05 (890-2998-2) and (890-2998-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-35157/1-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.

GC Semi VOA

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

HPLC/IC

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

Client: Ensolum Job ID: 890-2998-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Lab Sample ID: 890-2998-1 **Client Sample ID: PH05**

Date Collected: 09/16/22 12:50 Matrix: Solid Date Received: 09/19/22 11:05

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		09/22/22 10:27	09/22/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			09/22/22 10:27	09/22/22 16:21	1
1,4-Difluorobenzene (Surr)	111		70 - 130			09/22/22 10:27	09/22/22 16:21	1
Method: Total BTEX - Total BTE	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			09/22/22 17:34	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			09/21/22 13:59	1
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 01:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			09/20/22 11:59	09/21/22 01:06	1
o-Terphenyl	110		70 - 130			09/20/22 11:59	09/21/22 01:06	1
•		Solublo						
Method: 300.0 - Anions, Ion Chr	omatograpny -	Soluble						
Method: 300.0 - Anions, Ion Chro		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: PH05 Lab Sample ID: 890-2998-2

Date Collected: 09/16/22 12:55 Date Received: 09/19/22 11:05

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/22/22 10:27	09/22/22 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		S1+	70 - 130			09/22/22 10:27	09/22/22 16:42	1

Eurofins Carlsbad

Matrix: Solid

9/23/2022

Client: Ensolum

Job ID: 890-2998-1

SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 09/16/22 12:55 Date Received: 09/19/22 11:05

Project/Site: Bombay BSB Fed Com

Sample Depth: 2'

Lab Sample ID: 890-2998-2

Matrix: Solid

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

Surrogate	%Recovery Quali		Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	119	70 - 130	09/22/22 10:27	09/22/22 16:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	ma/Ka		·	09/22/22 17:34	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	ma/Ka			09/21/22 13:59	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		09/20/22 11:59	09/21/22 01:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 01:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 01:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124	70 - 130	09/20/22 11:5	9 09/21/22 01:28	1
o-Terphenyl	112	70 - 130	09/20/22 11:5	9 09/21/22 01:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1	4.95	mg/Kg			09/23/22 04:29	1

Lab Sample ID: 890-2998-3 **Client Sample ID: PH05 Matrix: Solid**

Date Collected: 09/16/22 13:00 Date Received: 09/19/22 11:05

Sample Depth: 4'

		/						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/22/22 10:27	09/22/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			09/22/22 10:27	09/22/22 17:02	1
1,4-Difluorobenzene (Surr)	111		70 - 130			09/22/22 10:27	09/22/22 17:02	1

Method:	Total RTF)	(- Total RTFX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			09/22/22 17:34	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/21/22 13:59	1

Matrix: Solid

Lab Sample ID: 890-2998-3

09/23/22 04:34

Client Sample Results

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 09/16/22 13:00 Date Received: 09/19/22 11:05

Sample Depth: 4'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 01:49	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 01:49	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 01:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			09/20/22 11:59	09/21/22 01:49	1
o-Terphenyl	102		70 - 130			09/20/22 11:59	09/21/22 01:49	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.03

mg/Kg

966

2

5

9

10

40

13

Surrogate Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2998-1	PH05	140 S1+	111	
890-2998-1 MS	PH05	126	122	
890-2998-1 MSD	PH05	138 S1+	121	
890-2998-2	PH05	171 S1+	119	
890-2998-3	PH05	154 S1+	111	
LCS 880-35157/1-A	Lab Control Sample	136 S1+	117	
LCSD 880-35157/2-A	Lab Control Sample Dup	127	114	
MB 880-35157/5-A	Method Blank	110	108	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
0-2998-1	PH05	121	110	
90-2998-2	PH05	124	112	
90-2998-3	PH05	112	102	
90-2999-A-1-E MS	Matrix Spike	109	81	
90-2999-A-1-F MSD	Matrix Spike Duplicate	115	79	
CS 880-34938/2-A	Lab Control Sample	114	105	
CSD 880-34938/3-A	Lab Control Sample Dup	129	90	
MB 880-34938/1-A	Method Blank	118	111	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum

Job ID: 890-2998-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35157/5-A

Lab Sample ID: LCS 880-35157/1-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid Analysis Batch: 35151 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35157

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/22/22 10:27	09/22/22 15:59	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/22/22 10:27	09/22/22 15:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/22/22 10:27	09/22/22 15:59	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35157

Prep Type: Total/NA

35

35

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1010		mg/Kg		101	70 - 130	
Toluene	0.100	0.09728		mg/Kg		97	70 - 130	
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	0.200	0.2437		mg/Kg		122	70 - 130	
o-Xylene	0.100	0.1191		mg/Kg		119	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-35157/2-A **Client Sample ID: Lab Control Sample Dup**

0.2295

0.1105

Matrix: Solid

m-Xylene & p-Xylene

Analyte Benzene Toluene Ethylbenzene

o-Xylene

Matrix: Solid

Analysis Batch: 35151

Analysis Batch: 35151

							Prep	Batch:	35157	
	Spike	LCSD	LCSD				%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
_	0.100	0.09002		mg/Kg		90	70 - 130	11	35	
	0.100	0.09451		mg/Kg		95	70 - 130	3	35	
	0.100	0.1038		mg/Kg		104	70 - 130	3	35	

115

111

70 - 130

70 - 130

mg/Kg

mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1.4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 890-2998-1 MS

Matrix: Solid

Analysis Batch: 35151

Client Sample ID: PH05 Prep Type: Total/NA

Prep Batch: 35157

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.09601		mg/Kg		96	70 - 130	
Toluene	<0.00200	U	0.0998	0.08061		mg/Kg		81	70 - 130	

0.200

0.100

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

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

Lab Sample ID: 890-2998-1 MS

Matrix: Solid

Analysis Batch: 35151

Client Sample ID: PH05 Prep Type: Total/NA

Prep Batch: 35157

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00200	U	0.0998	0.08856		mg/Kg		89	70 - 130	
<0.00401	U	0.200	0.1986		mg/Kg		99	70 - 130	
<0.00200	U	0.0998	0.09612		mg/Kg		96	70 - 130	
	Result <0.00200 <0.00401	Result Qualifier U	Result Qualifier Added <0.00200	Result Qualifier Added Result <0.00200	Result Qualifier Added Result Qualifier <0.00200	Result Qualifier Added Result Qualifier Unit Unit Unit Unit Unit Unit Unit Unit	Result Qualifier Added Result Qualifier Unit D <0.00200	Result Qualifier Added Result Qualifier Qualifier Unit Discrete Discrete %Rec <0.00200	Result Qualifier Added Added Result Qualifier Unit Unit Unit D %Rec Limits <0.00200 U 0.0998

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Client Sample ID: PH05

Prep Type: Total/NA

Prep Batch: 35157

Lab Sample ID: 890-2998-1 MSD **Matrix: Solid**

Analysis Batch: 35151

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09474		mg/Kg		94	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09384		mg/Kg		93	70 - 130	15	35
Ethylbenzene	<0.00200	U	0.100	0.1035		mg/Kg		103	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.2299		mg/Kg		114	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.1098		mg/Kg		109	70 - 130	13	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

Lab Sample ID: MB 880-34938/1-A

Matrix: Solid

Analysis Batch: 34885

Client Sample ID: Method B	lank
Pren Type: Tota	I/N A

Prep Batch: 34938

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pr	repared	Analyzed	Dil Fac	
1-Chlorooctane	118		70 - 130	09/20	0/22 11:59	09/20/22 19:03	1	
o-Terphenyl	111		70 - 130	09/20	0/22 11:59	09/20/22 19:03	1	

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

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

Prep Batch: 34938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1022		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1099		mg/Kg		110	70 - 130	
C10-C28)								

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

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

Lab Sample ID: LCS 880-34938/2-A

Lab Sample ID: LCSD 880-34938/3-A

Lab Sample ID: 890-2999-A-1-E MS

Matrix: Solid

Client: Ensolum

Analysis Batch: 34885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34938

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 o-Terphenyl 105 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34938

Analysis Batch: 34885 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 896.8 90 70 - 13013 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 977.6 mg/Kg 98 70 - 13012 20

C10-C28)

Matrix: Solid

Analysis Batch: 34885

Matrix: Solid

LCSD LCSD

Surrogate %Recovery Qualifier Limits 129 70 - 130 1-Chlorooctane o-Terphenyl 70 - 130 90

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34938

Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 836.5 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 889.3 mg/Kg 89 70 - 130

MS MS

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-2999-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 34885

Prep Type: Total/NA

Prep Batch: 34938

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	889.9		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over	<49.9	U	999	923.4		mg/Kg		92	70 - 130	4	20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	79		70 - 130

Client: Ensolum

Job ID: 890-2998-1

SDG: Lea County NM

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34991/1-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid

Analysis Batch: 35194

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/23/22 02:03

Lab Sample ID: LCS 880-34991/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35194

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 251.2 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-34991/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35194

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 265.1 mg/Kg 106 90 - 110

Lab Sample ID: 880-19382-A-11-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 35194

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits Chloride 137 250 394.8 103 90 - 110 mg/Kg

Lab Sample ID: 880-19382-A-11-C MSD

Matrix: Solid

Analysis Batch: 35194

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 137 371.0 mg/Kg 94 90 - 110 6 20

Client: Ensolum
Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1 SDG: Lea County NM

GC VOA

Analysis Batch: 35151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Total/NA	Solid	8021B	35157
890-2998-2	PH05	Total/NA	Solid	8021B	35157
890-2998-3	PH05	Total/NA	Solid	8021B	35157
MB 880-35157/5-A	Method Blank	Total/NA	Solid	8021B	35157
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	8021B	35157
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35157
890-2998-1 MS	PH05	Total/NA	Solid	8021B	35157
890-2998-1 MSD	PH05	Total/NA	Solid	8021B	35157

Prep Batch: 35157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Total/NA	Solid	5035	<u> </u>
890-2998-2	PH05	Total/NA	Solid	5035	
890-2998-3	PH05	Total/NA	Solid	5035	
MB 880-35157/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2998-1 MS	PH05	Total/NA	Solid	5035	
890-2998-1 MSD	PH05	Total/NA	Solid	5035	

Analysis Batch: 35212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Total/NA	Solid	Total BTEX	
890-2998-2	PH05	Total/NA	Solid	Total BTEX	
890-2998-3	PH05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34885

Г					
Lab Sample ID	Client Sample ID	Prep Type	Matrix Matrix	Method	Prep Batch
890-2998-1	PH05	Total/NA	Solid	8015B NM	34938
890-2998-2	PH05	Total/NA	Solid	8015B NM	34938
890-2998-3	PH05	Total/NA	Solid	8015B NM	34938
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015B NM	34938
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34938
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34938
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34938
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34938

Prep Batch: 34938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Total/NA	Solid	8015NM Prep	· · · ·
890-2998-2	PH05	Total/NA	Solid	8015NM Prep	
890-2998-3	PH05	Total/NA	Solid	8015NM Prep	
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

Released to Imaging: 10/3/2022 11:54:27 AM

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Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1 SDG: Lea County NM

GC Semi VOA

Analysis Batch: 35068

b Sample ID Clien	nt Sample ID	Prep Type	Matrix	Method Pi	rep Batch
0-2998-1 PH05	5	Total/NA	Solid	8015 NM	
0-2998-2 PH05	5	Total/NA	Solid	8015 NM	
0-2998-3 PH05	5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Soluble	Solid	DI Leach	
890-2998-2	PH05	Soluble	Solid	DI Leach	
890-2998-3	PH05	Soluble	Solid	DI Leach	
MB 880-34991/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34991/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34991/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19382-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19382-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2998-1	PH05	Soluble	Solid	300.0	34991
890-2998-2	PH05	Soluble	Solid	300.0	34991
890-2998-3	PH05	Soluble	Solid	300.0	34991
MB 880-34991/1-A	Method Blank	Soluble	Solid	300.0	34991
LCS 880-34991/2-A	Lab Control Sample	Soluble	Solid	300.0	34991
LCSD 880-34991/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34991
880-19382-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	34991
880-19382-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34991

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Client: Ensolum

Job ID: 890-2998-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH05 Lab Sample ID: 890-2998-1

Date Collected: 09/16/22 12:50 **Matrix: Solid** Date Received: 09/19/22 11:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 16:21	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35212	09/22/22 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			35068	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 01:06	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34991	09/20/22 15:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35194	09/23/22 04:23	CH	EET MID

Lab Sample ID: 890-2998-2 **Client Sample ID: PH05**

Date Collected: 09/16/22 12:55 **Matrix: Solid** Date Received: 09/19/22 11:05

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.01 g 5 mL 35157 09/22/22 10:27 MR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 35151 09/22/22 16:42 MR Total/NA Total BTEX 35212 09/22/22 17:34 Analysis 1 SM **EET MID** Total/NA Analysis 8015 NM 35068 09/21/22 13:59 ΑJ **EET MID** Total/NA Prep 8015NM Prep 34938 09/20/22 11:59 10.03 g 10 mL DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 34885 09/21/22 01:28 ΑJ **EET MID**

Lab Sample ID: 890-2998-3 **Client Sample ID: PH05**

5.05 g

50 mL

50 mL

50 mL

34991

35194

Date Collected: 09/16/22 13:00 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 17:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35212	09/22/22 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			35068	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 01:49	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34991	09/20/22 15:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35194	09/23/22 04:34	CH	EET MID

Laboratory References:

Soluble

Soluble

Leach

Date Received: 09/19/22 11:05

Analysis

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

DI Leach

300.0

Eurofins Carlsbad

KS

СН

EET MID

EET MID

09/20/22 15:51

09/23/22 04:29

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2998-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, but	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes fo
the agency does not of	• •	it the laboratory is not certific	su by the governing authority. This list his	ay include analytes to
,	• •	Matrix	Analyte	ay illoude allalytes lo
the agency does not of	fer certification.	,	, , ,	ay illoude allalytes lo

Method Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

ethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
0.00	Anions, Ion Chromatography	MCAWW	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
l Leach	Deionized Water Leaching Procedure	ASTM	EET 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:

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

112

Sample Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2998-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
890-2998-1	PH05	Solid	09/16/22 12:50	09/19/22 11:05	0.5
890-2998-2	PH05	Solid	09/16/22 12:55	09/19/22 11:05	2'
890-2998-3	PH05	Solid	09/16/22 13:00	09/19/22 11:05	4'

Relinquished by: (Signature)

2

7.22 110%

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 08/25/2020 Rev. 2020.2

Received by: (Signature)

Environment Testing

eurofins

Phone:

City, State ZIP:

Project Manager:

Company Name:

SAMPLE RECEIPT

Cooler Custody Seals: Samples Received Intact:

Total Containers:

Sampler's Name:

Project Location:

Project Number: Project Name:

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, T Hobbs, NM (575) 392-7550, Carlsbad, Nf Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

Ensolum, LLC 601 N Marienfeld St Suite 400 Midland, TX 79701	Program: UST/PST PRP Brownfields RRC Superfund State of Project:	
Marienfeld St Suite 400 d, TX 79701	State of Project: Reporting: Level III	「 □ TRRP □ Level IV □
d, TX 79701	Reporting: Level II Level III PST/UST	
	Deliverables: EDD ADaPT	Other:
ANALYSIS R	UEST	Preservative Codes
		None: NO DI Water: H ₂ O
	Coal:	Cool: Cool MeOH: Me
	HCL: HC	: HC HNO ₃ : HN
	H ₂ S0	H ₂ S0 ₄ : H ₂ NaOH: Na
	H ₃ PC	H ₃ PO ₄ : HP
	NaHS	NaHSO4: NABIS
		Na ₂ S ₂ O ₃ : NaSO ₃
1	y	Zn Acetate+NaOH: Zn
	NaOt	NaOH+Ascorbic Acid: SAPC
		Sample Comments
×		
×		Incident Number
		NAPP2202447336
As Ba Be B Cd Ca Cr Co Cu Fe I	Pho Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U	TI Sn U V Zn
Ba Be Cd Cr Co Cu Pb Mn M		1 / 7470 / 7471
	ANALYSIS F 890-2998 Chain of Cu 890-2998 Chain of Cu	ANALYSIS REQUEST ANALYSIS REQUEST B90-2998 Chain of Custody 890-2998 Chain of Custody X X X X X X X X X X X X X

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2998-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 2998 List Number: 1

Creator: Stutzman, Amanda

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

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14

<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2998-1 SDG Number: Lea County NM

List Source: Eurofins Midland

Login Number: 2998 List Number: 2 List Creation: 09/20/22 10:49 AM

Creator: Rodriguez, Leticia

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

Eurofins Carlsbad

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2999-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Bombay BSB Fed Com

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by:

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

9/21/2022 5:19:27 PM

Have a Question?

EOL

..... LINKS

Review your project results through

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 10/3/2022 11:54:27 AM signature is intended to be the legally binding equivalent of a traditionally handwritten

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

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

Client: Ensolum
Project/Site: Bombay BSB Fed Com
Laboratory Job ID: 890-2999-1
SDG: Lea County NM

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-

Definitions/Glossary

Job ID: 890-2999-1 Client: Ensolum Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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**

Detection Limit (DoD/DOE) DL

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) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

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

NFG 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)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

Job ID: 890-2999-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2999-1

Receipt

The samples were received on 9/19/2022 11:08 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 4.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34941 and analytical batch 880-35013 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

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: Ensolum

Job ID: 890-2999-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Lab Sample ID: 890-2999-1 **Client Sample ID: PH02** Matrix: Solid

Date Collected: 09/16/22 11:30 Date Received: 09/19/22 11:08

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/20/22 12:51	09/21/22 10:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			09/20/22 12:51	09/21/22 10:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130			09/20/22 12:51	09/21/22 10:26	1
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			09/21/22 15:22	1
Analyte Total TPH	Result <49.9	Qualifier U	49.9 ——	Unit mg/Kg	D	Prepared	Analyzed 09/21/22 13:59	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			09/21/22 13:59	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte								
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
5 5	Result <49.9		RL 49.9	Unit mg/Kg	D	Prepared 09/20/22 11:59	Analyzed 09/20/22 20:07	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U			<u>D</u>			1
(GRO)-C6-C10	<49.9	U	49.9	mg/Kg	<u>D</u>	09/20/22 11:59	09/20/22 20:07	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 <49.9	U U	49.9	mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59	09/20/22 20:07 09/20/22 20:07	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9 <49.9	U U	49.9 49.9 49.9	mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59	09/20/22 20:07 09/20/22 20:07 09/20/22 20:07	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 <49.9 <49.9 %Recovery	U U	49.9 49.9 49.9 Limits	mg/Kg	<u> </u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared	09/20/22 20:07 09/20/22 20:07 09/20/22 20:07 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 <49.9 <49.9 <49.9 %Recovery 104 94	U U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	mg/Kg	<u> </u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59	09/20/22 20:07 09/20/22 20:07 09/20/22 20:07 Analyzed 09/20/22 20:07	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 <49.9 <49.9 **Recovery 104 94 comatography -	U U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59	09/20/22 20:07 09/20/22 20:07 09/20/22 20:07 Analyzed 09/20/22 20:07	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: PH02 Lab Sample ID: 890-2999-2

Date Collected: 09/16/22 11:35 Date Received: 09/19/22 11:08

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 10:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			09/20/22 12:51	09/21/22 10:46	

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Matrix: Solid

Client: Ensolum

Job ID: 890-2999-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH02 Lab Sample ID: 890-2999-2 Matrix: Solid

Date Collected: 09/16/22 11:35 Date Received: 09/19/22 11:08

Sample Depth: 2

Method: 8021B - Volatile O	rganic Compou	nds (GC)	(Continued)
Michiga: OUL 1B Volume C	i gaino compou	1145 (55)	(Goillinaca)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96	70 _ 130	09/20/22 12:51	09/21/22 10:46	1

Method: Total	BTEX - Total	BTEX Calculation	าท

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/21/22 15:22	1

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

Analyte	Result Q	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			09/21/22 13:59	1

Mothod: 901ED	NM Diocol	Pango Ore	aniec /	DPO	(CC)
Method: 8015B	MINI - DIESEI	Range Org	janics (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		09/20/22 11:59	09/20/22 21:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/20/22 21:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/20/22 21:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	PI	reparea	Anaiyzea	
1-Chlorooctane	109		70 - 130	09/2	0/22 11:59	09/20/22 21:11	
o-Terphenyl	95		70 - 130	09/2	0/22 11:59	09/20/22 21:11	

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282	5.03	mg/Kg		_	09/21/22 12:02	1

Client Sample ID: PH02 Lab Sample ID: 890-2999-3 **Matrix: Solid**

Date Collected: 09/16/22 11:40 Date Received: 09/19/22 11:08

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

		()						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
Toluene	< 0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 11:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			09/20/22 12:51	09/21/22 11:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130			09/20/22 12:51	09/21/22 11:07	1

Mothod:	Total RTF	Y - Total R	TFX Calculatio	n

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/21/22 15:22	1

Analyte	•	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		 <50.0	U	50.0	mg/Kg		-	09/21/22 13:59	1

Matrix: Solid

Lab Sample ID: 890-2999-3

Client Sample Results

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 09/16/22 11:40 Date Received: 09/19/22 11:08

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 21:33	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 21:33	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 21:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			09/20/22 11:59	09/20/22 21:33	1
o-Terphenyl	95		70 - 130			09/20/22 11:59	09/20/22 21:33	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	737		4.95	mg/Kg			09/21/22 12:57	

6

8

9

10

12

13

Surrogate Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-2999-1	PH02	109	98	
890-2999-1 MS	PH02	109	107	
890-2999-1 MSD	PH02	83	83	
890-2999-2	PH02	118	96	
890-2999-3	PH02	109	91	
LCS 880-34941/1-A	Lab Control Sample	125	111	
LCSD 880-34941/2-A	Lab Control Sample Dup	112	107	
MB 880-34941/5-A	Method Blank	100	93	

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
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
0-2999-1	PH02	104	94	
90-2999-1 MS	PH02	109	81	
90-2999-1 MSD	PH02	115	79	
90-2999-2	PH02	109	95	
90-2999-3	PH02	106	95	
CS 880-34938/2-A	Lab Control Sample	114	105	
CSD 880-34938/3-A	Lab Control Sample Dup	129	90	
IB 880-34938/1-A	Method Blank	118	111	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum

MD MD

Job ID: 890-2999-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34941/5-A

Lab Sample ID: LCS 880-34941/1-A

Matrix: Solid

Analysis Batch: 35013

Project/Site: Bombay BSB Fed Com

Analysis Batch: 35013

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34941

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/20/22 12:51	09/21/22 10:04	1

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	70 - 130	09/20/22 12:51	09/21/22 10:04	1
1 4-Difluorobenzene (Surr)	9.3	70 130	09/20/22 12:51	09/21/22 10:04	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34941

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09016 mg/Kg 90 70 - 130 Toluene 0.100 0.08354 mg/Kg 84 70 - 130 0.100 0.09804 Ethylbenzene mg/Kg 98 70 - 130 0.200 0.2015 101 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1140 70 - 130 o-Xylene mg/Kg 114

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Lab Sample ID: LCSD 880-34941/2-A

Analysis Batch: 35013

Prep Type: Total/NA Prep Batch: 34941

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.08653 mg/Kg 87 70 - 130 35 Toluene 0.100 0.07902 mg/Kg 79 70 - 130 6 35 Ethylbenzene 0.100 0.08170 mg/Kg 82 70 - 130 18 35 m-Xylene & p-Xylene 0.200 0.1706 mg/Kg 85 70 - 130 17 35 0.100 0.09761 o-Xylene mg/Kg 98 70 - 130 35

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 890-2999-1 MS

Matrix: Solid

Analysis Batch: 35013

Client Sample ID: PH02 Prep Type: Total/NA

Prep Batch: 34941

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U F1	0.100	0.07958		mg/Kg		79	70 - 130
Toluene	<0.00201	U	0.100	0.07216		mg/Kg		71	70 - 130

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Client Sample ID: PH02

QC Sample Results

Client: Ensolum Job ID: 890-2999-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

Lab Sample ID: 890-2999-1 MS **Matrix: Solid**

Analysis Batch: 35013

Prep Type: Total/NA Prep Batch: 34941

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene <0	.00201	U	0.100	0.07301		mg/Kg		73	70 - 130	
m-Xylene & p-Xylene <0	.00402	U	0.200	0.1505		mg/Kg		75	70 - 130	
o-Xylene <0	.00201	U	0.100	0.08480		mg/Kg		85	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 107 70 - 130

Lab Sample ID: 890-2999-1 MSD

Client Sample ID: PH02 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 35013 Prep Batch: 34941

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0998	0.06780	F1	mg/Kg		68	70 - 130	16	35
Toluene	<0.00201	U	0.0998	0.07355		mg/Kg		73	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0998	0.07905		mg/Kg		79	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1441		mg/Kg		72	70 - 130	4	35
o-Xylene	<0.00201	U	0.0998	0.07669		mg/Kg		77	70 - 130	10	35

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

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

Lab Sample ID: MB 880-34938/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 34885

MR MR

	IND	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1

MB MB %Recovery Dil Fac Qualifier Limits Prepared Analyzed Surrogate 70 - 130 09/20/22 11:59 1-Chlorooctane 118 09/20/22 19:03 09/20/22 19:03 111 70 - 130 09/20/22 11:59 o-Terphenyl

Lab Sample ID: LCS 880-34938/2-A Client Sample ID: Lab Control Sample

Analysis Batch: 34885

Matrix: Solid

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits 1000 102 70 - 130 1022 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1099 mg/Kg 110 70 - 130

C10-C28)

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Prep Type: Total/NA

Prep Batch: 34938

Prep Batch: 34938

Prep Batch: 34938

Prep Type: Total/NA

Job ID: 890-2999-1 Client: Ensolum Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

Lab Sample ID: LCS 880-34938/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 34885

	LCS L	cs	
Surrogate	%Recovery Q	ualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenvl	105		70 - 130

Lab Sample ID: LCSD 880-34938/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 34885							Prep	Batch:	34938
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	896.8		mg/Kg		90	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	977.6		mg/Kg		98	70 - 130	12	20

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 129 70 - 130 o-Terphenyl 90 70 - 130

Lab Sample ID: 890-2999-1 MS **Client Sample ID: PH02** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 34885

Prep Batch: 34938 Sample Sample Spike MS MS Result Qualifier Analyte Result Qualifier Added Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 836.5 mg/Kg 84 70 - 130

(GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 889.3 mg/Kg 89 70 - 130 C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-2999-1 MSD Client Sample ID: PH02

Matrix: Solid Prep Type: Total/NA Analysis Batch: 34885 Prep Batch: 34938 Camania Camania

	Sample	Sample	эріке	MISD	MOD				%Rec		KPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.9	U	999	889.9		mg/Kg		89	70 - 130	6	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.9	U	999	923.4		mg/Kg		92	70 - 130	4	20	
C10-C28)												

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	79		70 - 130

Job ID: 890-2999-1

SDG: Lea County NM

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34877/1-A

Matrix: Solid

Project/Site: Bombay BSB Fed Com

Analysis Batch: 35029

Client: Ensolum

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/21/22 09:44

Lab Sample ID: LCS 880-34877/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35029

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 247.7 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-34877/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 35029

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 259.9 mg/Kg 104 90 - 110

Lab Sample ID: 890-2990-A-10-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 35029

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits Chloride 10.7 250 269.7 104 90 - 110 mg/Kg

Lab Sample ID: 890-2990-A-10-D MSD

Matrix: Solid

Analysis Batch: 35029

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 10.7 245.5 mg/Kg 94 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1 SDG: Lea County NM

GC VOA

Prep Batch: 34941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Total/NA	Solid	5035	
890-2999-2	PH02	Total/NA	Solid	5035	
890-2999-3	PH02	Total/NA	Solid	5035	
MB 880-34941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2999-1 MS	PH02	Total/NA	Solid	5035	
890-2999-1 MSD	PH02	Total/NA	Solid	5035	

Analysis Batch: 35013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Total/NA	Solid	8021B	34941
890-2999-2	PH02	Total/NA	Solid	8021B	34941
890-2999-3	PH02	Total/NA	Solid	8021B	34941
MB 880-34941/5-A	Method Blank	Total/NA	Solid	8021B	34941
LCS 880-34941/1-A	Lab Control Sample	Total/NA	Solid	8021B	34941
LCSD 880-34941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34941
890-2999-1 MS	PH02	Total/NA	Solid	8021B	34941
890-2999-1 MSD	PH02	Total/NA	Solid	8021B	34941

Analysis Batch: 35094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Total/NA	Solid	Total BTEX	
890-2999-2	PH02	Total/NA	Solid	Total BTEX	
890-2999-3	PH02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Total/NA	Solid	8015B NM	34938
890-2999-2	PH02	Total/NA	Solid	8015B NM	34938
890-2999-3	PH02	Total/NA	Solid	8015B NM	34938
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015B NM	34938
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34938
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34938
890-2999-1 MS	PH02	Total/NA	Solid	8015B NM	34938
890-2999-1 MSD	PH02	Total/NA	Solid	8015B NM	34938

Prep Batch: 34938

Lab Cample ID	Client Commis ID	Duan Tuna	Madulis	Mathad	Duan Batah
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Total/NA	Solid	8015NM Prep	
890-2999-2	PH02	Total/NA	Solid	8015NM Prep	
890-2999-3	PH02	Total/NA	Solid	8015NM Prep	
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2999-1 MS	PH02	Total/NA	Solid	8015NM Prep	
890-2999-1 MSD	PH02	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

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QC Association Summary

Client: Ensolum

GC Semi VOA

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1 SDG: Lea County NM

Analysis Batch: 35066

ı	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
3	390-2999-1	PH02	Total/NA	Solid	8015 NM	
8	390-2999-2	PH02	Total/NA	Solid	8015 NM	
8	390-2999-3	PH02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Soluble	Solid	DI Leach	
890-2999-2	PH02	Soluble	Solid	DI Leach	
890-2999-3	PH02	Soluble	Solid	DI Leach	
MB 880-34877/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34877/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34877/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2990-A-10-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2990-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2999-1	PH02	Soluble	Solid	300.0	34877
890-2999-2	PH02	Soluble	Solid	300.0	34877
890-2999-3	PH02	Soluble	Solid	300.0	34877
MB 880-34877/1-A	Method Blank	Soluble	Solid	300.0	34877
LCS 880-34877/2-A	Lab Control Sample	Soluble	Solid	300.0	34877
LCSD 880-34877/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34877
890-2990-A-10-C MS	Matrix Spike	Soluble	Solid	300.0	34877
890-2990-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34877

Client: Ensolum

Job ID: 890-2999-1

Project/Site: Bombay BSB Fed Com

SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 09/16/22 11:30

Lab Sample ID: 890-2999-1

Matrix: Solid

Date Collected: 09/16/22 11:30 Matrix: Solid

Date Received: 09/19/22 11:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34941	09/20/22 12:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35013	09/21/22 10:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35094	09/21/22 15:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			35066	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/20/22 20:07	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34877	09/19/22 17:51	SMC	EET MID
Soluble	Analysis	300.0		1			35029	09/21/22 11:57	CH	EET MID

Client Sample ID: PH02

Date Collected: 09/16/22 11:35

Lab Sample ID: 890-2999-2

Matrix: Solid

Date Collected: 09/16/22 11:35
Date Received: 09/19/22 11:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34941	09/20/22 12:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35013	09/21/22 10:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35094	09/21/22 15:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			35066	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/20/22 21:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34877	09/19/22 17:51	SMC	EET MIC
Soluble	Analysis	300.0		1			35029	09/21/22 12:02	CH	EET MID

Client Sample ID: PH02 Lab Sample ID: 890-2999-3

Date Collected: 09/16/22 11:40
Date Received: 09/19/22 11:08
Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34941	09/20/22 12:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35013	09/21/22 11:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35094	09/21/22 15:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			35066	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/20/22 21:33	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34877	09/19/22 17:51	SMC	EET MID
Soluble	Analysis	300.0		1			35029	09/21/22 12:57	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of	• '	t the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

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Method Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

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

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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:

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

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Sample Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-2999-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2999-1	PH02	Solid	09/16/22 11:30	09/19/22 11:08	0.5
890-2999-2	PH02	Solid	09/16/22 11:35	09/19/22 11:08	2
890-2999-3	PH02	Solid	09/16/22 11:40	09/19/22 11:08	4

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Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX Hobbs, NM (575) 392-7550, Carlsbad Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

i, NM (575) 988-3199	www.xenco.com Page 2 of 2
	Work Order Comments
	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
Suite 400	State of Project:
	Reporting: Level II Level III PST/UST TRRP Level IV
	Deliverables: EDD
ANALYSIS REQUEST	QUEST Preservative Codes

City, State ZIP:

817-683-2503

Email: kjennings@ensolum.com

Midland, TX 79701 601 N Marienfeld St Ensolum, LLC Kalei Jennigns

Midland, TX 79701

601 N Marienfeld St Suite 400

Address: City, State ZIP:

Bill to: (if different) Company Name:

Project Manager: Company Name: ddress:

Kalei Jennings

Xenco

Environment Testing

Ensolum, LLC

Revised Date: 08/25/2020 Rev. 2020.2	Rev		6									
			4	10 110	27.77 90100	12		R	TO SE	-		
Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Time	Date/Time	2	ture)	Received by: (Signature	Receive	5	gnature)	Relinquished by: (Signature)
	tions. It assigns standard terms and conditions ses are due to circumstances beyond the control terms will be enforced unless previously negotiated.		ns Xenco, its a nses incurred ofins Xenco, b	to Eurofi s or expe	nt company r any losse ple submitt	from clier sibility for ach sam	nurchase order t time any respons harge of \$5 for e	stitutes a valid p nd shall not assu project and a ch	of samples cons t of samples an applied to each	quishment of for the cos	nent and relinc be liable only charge of \$85	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontra of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such los of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These
470 / 7471	TI U Hg: 1631 / 245.1 / 7470 / 747:	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	3e Cd Cr	s Ba E		8RCR/	TCLP / SPLP 6010: 8RCRA	TCLP / SI	red	e analyz	etal(s) to b	Circle Method(s) and Metal(s) to be analyzed
Sn U V Zn	Se A	B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K		Ba Be	I Sb As Ba	11 A	PM Texas 11	8RCRA 13PPM	8	3020:	200.8 / 6020:	Total 200.7 / 6010
				ļ 		-						1
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						\parallel)	X
					-	-						0
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						-						
NAPP2202447336	NA					-						
Incident Number	Inc		×	×	×		4' G	1140	09.16.22	S		PH02
			×	×	×	1	2" G	1135	09.16.22	S		PH02
			×	×	×	<u>-</u>	0.5' G	1130	09.16.22	S		PH02
Sample Comments	San		BTEX	TPH (8	CHLO	mp Cont	Depth Grab/	Time Sampled	Date Sampled	Matrix	ation	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+As		(802	015)	RIDE		8. b	emperature:	Corrected Temperature:			Total Containers:
Zn Acetate+NaOH: Zn			1		S (E		5	e Reading:	Temperature Reading	AIN	Yes No	Sample Custody Seals:
NaSO ₃		890-2999 Chain of Custody		_		Pa	-0.2	actor:	Correction Factor:	3	Yes No	Cooler Custody Seals:
NABIS	NaHSO ₄ : NABIS					H arar	WMSO.	y ID:	Thermometer ID:	No	\ \tes	Samples Received Intact:
Ť	H ₃ PO ₄ : HP					nete	(es) No	Wet ice:	(ces)No	Blank:	Temp Blank:	SAMPLE RECEIPT
2 NaOH: Na	H ₂ S0 ₄ : H ₂					-	the lab, if received by 4:30pm	the lab, if recu				PO#:
	HCL: HC	-		1		Ьу	TAT starts the day received by	TAT starts the	е	Conner Shore	Conr	Sampler's Name:
	Cool: Cool					L.	2 Day	Due Date:		Lea County, NM	Lea C	Project Location:
DI Water: H ₂ O	None: NO				6 5	Code	☑ Rush	Routine		03D2024018	03D	Project Number:
Servado Codos		ANAL GO NEGOTO			-	-	urn Around	ium	Com	BSB Fec	Bombay BSB Fed Com	Project Name:

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2999-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 2999 List Number: 1 Creator: Clifton, Cloe

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2999-1 SDG Number: Lea County NM

List Source: Eurofins Midland

Login Number: 2999 List Number: 2

List Creation: 09/20/22 10:49 AM

Creator: Rodriguez, Leticia

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

Released to Imaging: 10/3/2022 11:54:27 AM

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3000-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Bombay BSB Fed Com

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

JURAMER

Authorized for release by: 9/23/2022 1:22:50 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project results through

Have a Question?



www.eurofinsus.com/Env

Visit us at:

Released to Imaging: 10/3/2022 11:54:27 AM

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.

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Client: Ensolum
Project/Site: Bombay BSB Fed Com
Laboratory Job ID: 890-3000-1
SDG: Lea County NM

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3000-1

Project/Site: Bombay BSB Fed Com

SDG: Lea County NM

Qualifiers

GC VOA

Qualifier Description

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

GC Semi VOA

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

PQL Practical Quantitation Limi

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1

SDG: Lea County NM

Job ID: 890-3000-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3000-1

Receipt

The samples were received on 9/19/2022 11:05 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 4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-2998-A-1-E) and (890-2998-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-35157/1-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.

GC Semi VOA

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

HPLC/IC

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

Matrix: Solid

Lab Sample ID: 890-3000-1

Client Sample Results

Client: Ensolum Job ID: 890-3000-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 09/16/22 12:25 Date Received: 09/19/22 11:05

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 17:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			09/22/22 10:27	09/22/22 17:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130			09/22/22 10:27	09/22/22 17:23	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			09/22/22 19:54	1
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	Kesuit <49.9		49.9	mg/Kg		Prepared	09/21/22 13:59	DII Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 02:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 02:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 02:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			09/20/22 11:59	09/21/22 02:10	1
o-Terphenyl	93		70 - 130			09/20/22 11:59	09/21/22 02:10	1
Method: 300.0 - Anions, Ion Chro								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		5.04	mg/Kg			09/23/22 04:40	1

Client Sample ID: PH04

Date Collected: 09/16/22 12:30 Date Received: 09/19/22 11:05

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/22/22 10:27	09/22/22 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130			09/22/22 10:27	09/22/22 17:44	1

Eurofins Carlsbad

Lab Sample ID: 890-3000-2

Matrix: Solid

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Client: Ensolum

Job ID: 890-3000-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Lab Sample ID: 890-3000-2 **Client Sample ID: PH04** Matrix: Solid

Date Collected: 09/16/22 12:30 Date Received: 09/19/22 11:05

Sample Depth: 2'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	115	70 - 130	09/22/22 10:27	09/22/22 17:44	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			09/22/22 19:54	1

Discal Dance Organica (DDO) (CC)	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			09/21/22 13:59	1

Method: 8015B	NM - Diesel	Range Ord	anics	(DRO)	(GC)
motilioa. oo lob	THE DIGGGE	Trainge Oit	garnos	(5.10)	100)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:32	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:32	1
Surre mate	9/ Dagguerry	Ovelifier	Limita			Duamanad	Amalumad	Dil 5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	09/20/22 11:59	09/21/22 02:32	1
o-Terphenyl	113		70 - 130	09/20/22 11:59	09/21/22 02:32	1

Method: 300.0 - Anions, Ion	Chromatography - Soluble
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	584		5.00	mg/Kg			09/23/22 04:45	1

Lab Sample ID: 890-3000-3 **Client Sample ID: PH04** Matrix: Solid

Date Collected: 09/16/22 12:35 Date Received: 09/19/22 11:05

Sample Depth: 4'

Mathadi 0004D	Valatile Overen	ic Compounds (GC)
Memoo: Auzib	- voianie Urdan	ic Compounds (GC)

		()						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
Toluene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			09/22/22 10:27	09/22/22 18:04	1
1,4-Difluorobenzene (Surr)	122		70 - 130			09/22/22 10:27	09/22/22 18:04	1

Mothod:	Total RTF	Y - Total R	TFX Calculatio	n

Analyte	Result	Qualifier	KL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/22/22 19:54	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg		-	09/21/22 13:59	1

Matrix: Solid

Lab Sample ID: 890-3000-3

Client Sample Results

Client: Ensolum Job ID: 890-3000-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 09/16/22 12:35 Date Received: 09/19/22 11:05

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:53	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:53	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			09/20/22 11:59	09/21/22 02:53	1
o-Terphenyl	92		70 - 130			09/20/22 11:59	09/21/22 02:53	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			5.04	mg/Kg			09/22/22 17:55	

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Surrogate Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2998-A-1-C MS	Matrix Spike	126	122	
890-2998-A-1-D MSD	Matrix Spike Duplicate	138 S1+	121	
890-3000-1	PH04	82	80	
890-3000-2	PH04	157 S1+	115	
890-3000-3	PH04	171 S1+	122	
LCS 880-35157/1-A	Lab Control Sample	136 S1+	117	
LCSD 880-35157/2-A	Lab Control Sample Dup	127	114	
MB 880-35157/5-A	Method Blank	110	108	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

-			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2999-A-1-E MS	Matrix Spike	109	81
890-2999-A-1-F MSD	Matrix Spike Duplicate	115	79
890-3000-1	PH04	101	93
890-3000-2	PH04	130	113
890-3000-3	PH04	103	92
LCS 880-34938/2-A	Lab Control Sample	114	105
LCSD 880-34938/3-A	Lab Control Sample Dup	129	90
MB 880-34938/1-A	Method Blank	118	111

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum

Job ID: 890-3000-1 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35157/5-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid Analysis Batch: 35151 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35157

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Xvlenes Total	<0.00400	U	0.00400	ma/Ka		09/22/22 10:27	09/22/22 15:59	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/22/22 10:27	09/22/22 15:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/22/22 10:27	09/22/22 15:59	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-35157/1-A

Matrix: Solid

Analysis Batch: 35151

Prep Type: Total/NA

Prep Batch: 35157

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1010		mg/Kg		101	70 - 130	
Toluene	0.100	0.09728		mg/Kg		97	70 - 130	
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	0.200	0.2437		mg/Kg		122	70 - 130	
o-Xylene	0.100	0.1191		mg/Kg		119	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-35157/2-A

Matrix: Solid

Analysis Batch: 35151

Prep Type: Total/NA

Prep Batch: 35157

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09002		mg/Kg		90	70 - 130	11	35	
Toluene	0.100	0.09451		mg/Kg		95	70 - 130	3	35	
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.2295		mg/Kg		115	70 - 130	6	35	
o-Xylene	0.100	0.1105		mg/Kg		111	70 - 130	7	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1.4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 890-2998-A-1-C MS

Matrix: Solid

Analysis Batch: 35151

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

Prep Batch: 35157

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.09601		mg/Kg		96	70 - 130	
Toluene	<0.00200	U	0.0998	0.08061		mg/Kg		81	70 - 130	

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Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1

SDG: Lea County NM

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

Lab Sample ID: 890-2998-A-1-C MS

Lab Sample ID: 890-2998-A-1-D MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 35151

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 35157

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.0998 0.08856 89 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00401 0.200 0.1986 mg/Kg 99 70 - 130 0.0998 o-Xylene <0.00200 U 0.09612 96 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	70 - 130
1,4-Difluorobenzene (Surr)	122	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35157

RPD

Analysis Batch: 35151 Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 Benzene <0.00200 U 0.09474 mg/Kg 94 70 - 130 1 35 0.09384 Toluene <0.00200 U 0.100 mg/Kg 93 70 - 130 15 35 Ethylbenzene <0.00200 U 0.100 0.1035 mg/Kg 103 70 - 130 16 35 0.201 m-Xylene & p-Xylene <0.00401 U 0.2299 mg/Kg 114 70 - 130 15 35 <0.00200 U 0.100 0.1098 70 - 130 o-Xylene mg/Kg 109 13

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

Lab Sample ID: MB 880-34938/1-A

Matrix: Solid

Analysis Batch: 34885

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34938

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	d Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/20/22 11	:59 09/20/22 19:	03 1
o-Terphenyl	111		70 - 130	09/20/22 11	:59 09/20/22 19:	03 1

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1022		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1099		mg/Kg		110	70 - 130	
C10-C28)								

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1

mg/Kg

mg/Kg

mg/Kg

SDG: Lea County NM

Prep Batch: 34938

12

98

89

92

70 - 130

70 - 130

70 - 130

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

Lab Sample ID: LCS 880-34938/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Surrogate

Client: Ensolum

Analysis Batch: 34885

LCS LCS %Recovery Qualifier Limits

977.6

889.3

923.4

1-Chlorooctane 114 70 - 130 o-Terphenyl 105 70 - 130

Lab Sample ID: LCSD 880-34938/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 34885

Diesel Range Organics (Over

Prep Batch: 34938 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 896.8 90 70 - 13013 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1000

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 129 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 90

Lab Sample ID: 890-2999-A-1-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 34885

Diesel Range Organics (Over

Prep Batch: 34938 Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 836.5 mg/Kg 84 70 - 130 (GRO)-C6-C10

996

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 109 o-Terphenyl 81 70 - 130

<49.9 U

<49.9 U

Lab Sample ID: 890-2999-A-1-F MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 34885

Prep Batch: 34938 Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 889.9 Gasoline Range Organics <49.9 mg/Kg 89 70 - 130 6 20 (GRO)-C6-C10

999

Diesel Range Organics (Over C10-C28)

MSD MSD %Recovery Qualifier Surrogate

Limits 1-Chlorooctane 115 70 - 130 79 70 - 130 o-Terphenyl

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Job ID: 890-3000-1

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: PH04

Client Sample ID: PH04

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client: Ensolum Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34935/1-A

Matrix: Solid

Analysis Batch: 35156

MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 09/22/22 17:40

Lab Sample ID: LCS 880-34935/2-A

Matrix: Solid

Analysis Batch: 35156

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 249.7 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-34935/3-A

Matrix: Solid

Analysis Batch: 35156

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250.1 250 mg/Kg 100 90 - 110

Lab Sample ID: 890-3000-3 MS

Matrix: Solid

Analysis Batch: 35156

MS MS Sample Sample Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Chloride 360 252 589.4 91 90 - 110 mg/Kg

Lab Sample ID: 890-3000-3 MSD

Matrix: Solid

Analysis Batch: 35156

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 360 Chloride 252 590.3 mg/Kg 91 90 - 110

Lab Sample ID: MB 880-34991/1-A

Matrix: Solid

Analysis Batch: 35194

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Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 09/23/22 02:03

Lab Sample ID: LCS 880-34991/2-A

Matrix: Solid

Analysis Batch: 35194

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit %Rec Chloride 250 251.2 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-34991/3-A

Matrix: Solid

Analysis Batch: 35194

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 265.1 mg/Kg 106 90 - 110 20

QC Sample Results

Client: Ensolum Job ID: 890-3000-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-19382-A-11-B MS

Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 35194

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	137		250	394.8		mg/Kg		103	90 - 110	

Lab Sample ID: 880-19382-A-11-C MSD Client Sample ID: Matrix Spike Duplicate Matrix: Solid

Prep Type: Soluble

Analysis Batch: 35194

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	137		250	371.0		mg/Kg		94	90 - 110	6	20

QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1 SDG: Lea County NM

GC VOA

Analysis Batch: 35151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Total/NA	Solid	8021B	35157
890-3000-2	PH04	Total/NA	Solid	8021B	35157
890-3000-3	PH04	Total/NA	Solid	8021B	35157
MB 880-35157/5-A	Method Blank	Total/NA	Solid	8021B	35157
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	8021B	35157
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35157
890-2998-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	35157
890-2998-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35157

Prep Batch: 35157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-3000-1	PH04	Total/NA	Solid	5035	<u> </u>
890-3000-2	PH04	Total/NA	Solid	5035	
890-3000-3	PH04	Total/NA	Solid	5035	
MB 880-35157/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2998-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2998-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Total/NA	Solid	Total BTEX	
890-3000-2	PH04	Total/NA	Solid	Total BTEX	
890-3000-3	PH04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Total/NA	Solid	8015B NM	34938
890-3000-2	PH04	Total/NA	Solid	8015B NM	34938
890-3000-3	PH04	Total/NA	Solid	8015B NM	34938
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015B NM	34938
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34938
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34938
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34938
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34938

Prep Batch: 34938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Total/NA	Solid	8015NM Prep	
890-3000-2	PH04	Total/NA	Solid	8015NM Prep	
890-3000-3	PH04	Total/NA	Solid	8015NM Prep	
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1 SDG: Lea County NM

GC Semi VOA

Analysis Batch: 35069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Total/NA	Solid	8015 NM	
890-3000-2	PH04	Total/NA	Solid	8015 NM	
890-3000-3	PH04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-3	PH04	Soluble	Solid	DI Leach	 .
MB 880-34935/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34935/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34935/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3000-3 MS	PH04	Soluble	Solid	DI Leach	
890-3000-3 MSD	PH04	Soluble	Solid	DI Leach	

Leach Batch: 34991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Soluble	Solid	DI Leach	
890-3000-2	PH04	Soluble	Solid	DI Leach	
MB 880-34991/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34991/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34991/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19382-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19382-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35156

Lab Sample ID	Client Sample ID	Pron Type	Matrix	Method	Prep Batch
890-3000-3	PH04	Prep Type Soluble	Solid	300.0	34935
MB 880-34935/1-A	Method Blank	Soluble	Solid	300.0	34935
LCS 880-34935/2-A	Lab Control Sample	Soluble	Solid	300.0	34935
LCSD 880-34935/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34935
890-3000-3 MS	PH04	Soluble	Solid	300.0	34935
890-3000-3 MSD	PH04	Soluble	Solid	300.0	34935

Analysis Batch: 35194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3000-1	PH04	Soluble	Solid	300.0	34991
890-3000-2	PH04	Soluble	Solid	300.0	34991
MB 880-34991/1-A	Method Blank	Soluble	Solid	300.0	34991
LCS 880-34991/2-A	Lab Control Sample	Soluble	Solid	300.0	34991
LCSD 880-34991/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34991
880-19382-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	34991
880-19382-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34991

Eurofins Carlsbad

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Client: Ensolum

Job ID: 890-3000-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 09/16/22 12:25 Date Received: 09/19/22 11:05

Lab Sample ID: 890-3000-1

Matrix: Solid

Lab Sample ID: 890-3000-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 17:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35215	09/22/22 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35069	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 02:10	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34991	09/20/22 15:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35194	09/23/22 04:40	CH	EET MID

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.01 g 5 mL 35157 09/22/22 10:27 MR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 35151 09/22/22 17:44 MR Total/NA Total BTEX 35215 09/22/22 19:54 Analysis 1 A.I **EET MID** Total/NA Analysis 8015 NM 35069 09/21/22 13:59 **EET MID** Total/NA 8015NM Prep 34938 09/20/22 11:59 Prep 10.01 g 10 mL DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 34885 09/21/22 02:32 ΑJ **EET MID** Soluble KS Leach DI Leach 5 g 50 mL 34991 09/20/22 15:51 **EET MID**

50 mL

50 mL

35194

09/23/22 04:45

Client Sample ID: PH04

Soluble

Client Sample ID: PH04

Date Collected: 09/16/22 12:30

Date Received: 09/19/22 11:05

Date Collected: 09/16/22 12:35 Date Received: 09/19/22 11:05

Analysis

300.0

Lab Sample ID: 890-3000-3

СН

Matrix: Solid

EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 18:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35215	09/22/22 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35069	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 02:53	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34935	09/21/22 10:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35156	09/22/22 17:55	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Bombay BSB Fed Com
Job ID: 890-3000-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of	fer certification.	•	, , ,	.,
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	-,
0 ,		Matrix Solid	Analyte Total TPH	

Method Summary

Client: Ensolum

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Bombay BSB Fed Com

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-3000-1

SDG: Lea County NM

Laboratory	
EET MID	
EET MID	
EET MID	

Protocol	Laboratory	
SW846	EET MID	
TAL SOP	EET MID	
SW846	EET MID	
SW846	EET MID	
MCAWW	EET MID	
SW846	EET MID	

EET MID

EET MID

SW846

ASTM

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:

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

Sample Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3000-1

SDG: I	Lea	Cou	ınty	NM	l

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3000-1	PH04	Solid	09/16/22 12:25	09/19/22 11:05	0.5'
890-3000-2	PH04	Solid	09/16/22 12:30	09/19/22 11:05	2'
890-3000-3	PH04	Solid	09/16/22 12:35	09/19/22 11:05	4'

Relinquished by

Chain of Custody

: eurofins		Environment Testing Xenco			<u>-</u>	Houston, Idland, TX	TX (281) (432) 704 (435) 5 (435) 5 (575) 39	240-4200 1-5440, S 85-3443	D, Dallas, T an Antonic Lubbock, Carlsbad, t	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	-0300 09-3334 4-1296 3-3199			&	ork O	Work Order No:		Page	2	+>	· ·
Project Manager:	Kalei Jennings				Bill to: (if different)	ferent)	Kalei	Kalei Jennigns	S						Wor	k Orde	Work Order Comments	ents			J
	Ensolum, LLC				Company Name:	lame:	Ensol	Ensolum, LLC	v			<u> </u>	ogram:	UST/PS	T PR	P Bro	wnfields	RR	ls 🗆	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
	601 N Marienfeld St Suite 400	St Suite	400		Address:		601 N	Marien	601 N Marienfeld St Suite 400	ite 400		S	State of Project:	roject:						}	-
e ZIP:	Midland, TX 79701	2			City, State ZIP:	ZIP:	Midla	Midland, TX 79701	9701			R	Reporting: Level II Level III PST/UST TRRP	Level II	Leve		ST/UST	☐ TRR		Level IV	
	817-683-2503			Email:	Email: kjennings@ensolum.com	@ensolu	m.com						Deliverables: EDD	s: EDD		ADa	ADaPT 🗆	Other:	Ä		· L
Project Name:	Bombay BSB Fed Com	B Fed Co	3	Turn	Turn Around					A	ANALYSIS R	REQUEST	ST					Preservative Codes	ative (odes	1
Project Number:	03D20	03D2024018		Routine	☑ Rush	Pres. Code	6 .				_						None: NO	Ö	D \	DI Water: H ₂ O	
Project Location:	Lea Cou	Lea County, NM	D	Due Date:	2 Day												Cool: Cool	Cool	Me	MeOH: Me	
Sampler's Name:	Connei	Conner Shore	1	AT starts the	TAT starts the day received by	d by						_	-	_			HCL: HC	: 공	Ī	HNC3: HN	
PO#:		5		he lab, if reci	the lab, if received by 4:30pm									=			H2504 H2	12	Na	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	_	(Yes) No	Wet ice:	(Yes No	nete).0)										H ₃ PO ₄ : HP	Ŧ	5		
Samples Received Intact:	Kes	No The	Thermometer ID:	Ö	WAB	_	: 300										NaHi	NaHSU4: NABIS	S &		
Cooler Custody Seals:	Yes No	Con	Correction Factor:	tor:	0	Q F	EPA			890-300	890-3000 Chain of	Clieton	HILL HAR	=			1 12	14420203 144003	2		
Sample Custody Seals: Total Containers:	s: Yes No	Tem	Temperature Reading: Corrected Temperature:	Reading:	E J		DES (I	15)	021	_	-	- 100	,		1		NaOr	NaOH+Ascorbic Acid: SAPC	bic Acid	SAPC	
Sample Identification		Matrix Sa	Date Sampled	Time Sampled	Depth c	Grab/ # of Comp Cont	CHLOR	TPH (80	BTEX (8									Sample Comments	Comr	nents	
PH04	S		09.16.22	1225	0.5'	G 1	×	×	×			F	+			\vdash	1				
PH04	S		09.16.22	1230	2'	G 1	×	×	×						L	-	\vdash				
PH04	S		09.16.22	1235	4	G 1	×	×	×				-			-		Incide	Incident Number	nber	
				\					_				-			-		NAPP	NAPP2202447336	7336	٠
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Total 200.7 / 6010	10 200.8 / 6020:	20:	8R	8RCRA 13P	13PPM Texa	Texas 11 Al	SP	As Ba Be	œ	Cd Ca Cr C	Co Cu Fe		Pb Mg Mn Mo	O N.	Se /	SiO ₂	Na Sr	TI Sn U V Zn	Z A n	٥	-
Circle Method(s) and Metal(s) to be analyzed	d Metal(s) to be	analyzed		TCLP / SI	TCLP / SPLP 6010:	8RCRA	န္	As Ba	Ba Be Cd Cr Co		Cu Pb Mn M	Mo Ni Se	ð	11 U	_	lg: 163	Hg: 1631 / 245.1 / 7470 / 7471	/7470	/74/		ـــا ا
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be 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	nature of this document and relinquishment of samples constitutes a valid purchase order from cilent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	the cost of s	npies consti	tutes a valid p	ourchase orde	r from citer	it compan	y to Euro	ins Xenco, enses incur	ts affiliates a red by the cli	nd subcontr ent if such ic	actors. It a	ssigns star	ndard terr	ns and co	nditions le control					
of Eurofins Xenco. A minir	85	will be applie	ed to each p	roject and a ci	00 will be applied to each project and a charge of \$5 for each sample submitted to Eurorinis Aethor, but not entarying the control of the con	r each sam	pie submi	ted to En	ronns Aenc	o, out not and	ilyzed, illes	c cellis will	De ellioid	Door	ived by	(Signa	hira)	-	Date	Time	یا لــ
Relinquished by: (Signature)	(Signature))	Received	Received by: (Signature)	ture)		Date	Date/Time		Relinquished by: (Signature)	ed by: (S	ignature		Rece	ived by	Received by: (Signature)	ture)	-	Date	Date/ I Ime	

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3000-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 3000 List Number: 1

Creator: Stutzman, Amanda

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

Released to Imaging: 10/3/2022 11:54:27 AM

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3000-1 SDG Number: Lea County NM

List Source: Eurofins Midland

List Creation: 09/20/22 10:49 AM

Creator: Rodriguez, Leticia

Login Number: 3000

List Number: 2

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

Released to Imaging: 10/3/2022 11:54:27 AM

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3001-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Bombay BSB Fed Com

For:

eurofins

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

9/21/2022 5:20:31 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Authorized for release by:

Review your project results through EOL **Have a Question?**

····· Links ······

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 10/3/2022 11:54:27 AM 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

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

Client: Ensolum
Project/Site: Bombay BSB Fed Com
Laboratory Job ID: 890-3001-1
SDG: Lea County NM

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Definitions/Glossary

Job ID: 890-3001-1 Client: Ensolum Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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**

Detection Limit (DoD/DOE) DL

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) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

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

NFG 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)

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

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

TNTC Too Numerous To Count

Job ID: 890-3001-1

Case Narrative

Client: Ensolum

Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Job ID: 890-3001-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3001-1

Receipt

The samples were received on 9/19/2022 11:08 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 4.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34941 and analytical batch 880-35013 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

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.

Matrix: Solid

Lab Sample ID: 890-3001-1

Client: Ensolum Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 09/16/22 11:00 Date Received: 09/19/22 11:08

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/20/22 12:51	09/21/22 11:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			09/20/22 12:51	09/21/22 11:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130			09/20/22 12:51	09/21/22 11:27	1
Method: Total BTEX - Total BTE	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			09/21/22 15:22	1
Analyte Total TDH		Qualifier	RL 40.0	Unit ma/Ka	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg		· · · · · · · · · · · · · · · · · · ·		
				9,9			09/21/22 13:59	1
				9/1.9			09/21/22 13:59	1
Method: 8015B NM - Diesel Rang	•						09/21/22 13:59	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	•	Qualifier	RL 49.9		<u>D</u>	Prepared 09/20/22 11:59		
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U		Unit	<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U	49.9	unit mg/Kg mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59	Analyzed 09/20/22 21:54 09/20/22 21:54	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U	49.9	<mark>Unit</mark> mg/Kg	<u>D</u>	09/20/22 11:59	Analyzed 09/20/22 21:54	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U U	49.9 49.9 49.9 Limits	unit mg/Kg mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U U	49.9 49.9 49.9 Limits 70 - 130	unit mg/Kg mg/Kg	<u> </u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed 09/20/22 21:54	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U U	49.9 49.9 49.9 Limits	unit mg/Kg mg/Kg	<u> </u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	unit mg/Kg mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed 09/20/22 21:54	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed 09/20/22 21:54	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chloroctane 0-Terphenyl Method: 300.0 - Anions, Ion Chro	Result	Qualifier U U Qualifier Soluble	49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg		09/20/22 11:59 09/20/22 11:59 09/20/22 11:59 Prepared 09/20/22 11:59 09/20/22 11:59	Analyzed 09/20/22 21:54 09/20/22 21:54 09/20/22 21:54 Analyzed 09/20/22 21:54 09/20/22 21:54	Dil Fa

Client Sample ID: PH01

Date Collected: 09/16/22 11:05 Date Received: 09/19/22 11:08

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 11:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			09/20/22 12:51	09/21/22 11:48	1

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Lab Sample ID: 890-3001-2

Matrix: Solid

Client: Ensolum

Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH01 Lab Sample ID: 890-3001-2 Matrix: Solid

Date Collected: 09/16/22 11:05 Date Received: 09/19/22 11:08

Sample Depth: 2

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97	70 - 130	09/20/22 12:51	09/21/22 11:48	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			09/21/22 15:22	1

ı			
ı	Mothod: 8015 NM -	Diesel Range Organio	e (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/21/22 13:59	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:15	1
Surrogate	%Recovery	Qualifier	l imite			Prenared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116	70 - 130	09/20/22 11:59	09/20/22 22:15	1
o-Terphenyl	105	70 - 130	09/20/22 11:59	09/20/22 22:15	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.7		5.00	mg/Kg			09/21/22 12:26	1

Client Sample ID: PH01 Lab Sample ID: 890-3001-3 Matrix: Solid

Date Collected: 09/16/22 11:10 Date Received: 09/19/22 11:08

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/20/22 12:51	09/21/22 12:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			09/20/22 12:51	09/21/22 12:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130			09/20/22 12:51	09/21/22 12:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			09/21/22 15:22	1

Analyte	•	•	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			<50.0	U	50.0	mg/Kg			09/21/22 13:59	1

Matrix: Solid

Lab Sample ID: 890-3001-3

Client Sample Results

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1

SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 09/16/22 11:10 Date Received: 09/19/22 11:08

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:36	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			09/20/22 11:59	09/20/22 22:36	1
o-Terphenyl	96		70 - 130			09/20/22 11:59	09/20/22 22:36	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.6		4.97	mg/Kg			09/21/22 12:31	

4

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Surrogate Summary

Client: Ensolum Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acc
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2999-A-1-G MS	Matrix Spike	109	107	
890-2999-A-1-H MSD	Matrix Spike Duplicate	83	83	
890-3001-1	PH01	112	95	
890-3001-2	PH01	118	97	
890-3001-3	PH01	111	92	
LCS 880-34941/1-A	Lab Control Sample	125	111	
LCSD 880-34941/2-A	Lab Control Sample Dup	112	107	
MB 880-34941/5-A	Method Blank	100	93	
Surrogate Legend BFB = 4-Bromofluorobe	nzono (Curr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2999-A-1-E MS	Matrix Spike	109	81
890-2999-A-1-F MSD	Matrix Spike Duplicate	115	79
890-3001-1	PH01	110	98
890-3001-2	PH01	116	105
890-3001-3	PH01	105	96
LCS 880-34938/2-A	Lab Control Sample	114	105
LCSD 880-34938/3-A	Lab Control Sample Dup	129	90
MB 880-34938/1-A	Method Blank	118	111

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34941/5-A

Lab Sample ID: LCS 880-34941/1-A

Matrix: Solid

Analysis Batch: 35013

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34941

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/20/22 12:51	09/21/22 10:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/20/22 12:51	09/21/22 10:04	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	70 - 130	09/20/22 12:51	09/21/22 10:04	1
1,4-Difluorobenzene (Surr)	93	70 - 130	09/20/22 12:51	09/21/22 10:04	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34941

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09016 mg/Kg 90 70 - 130 Toluene 0.100 0.08354 mg/Kg 84 70 - 130 0.100 0.09804 98 Ethylbenzene mg/Kg 70 - 130 0.200 0.2015 101 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1140 70 - 130 o-Xylene mg/Kg 114

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	125	70 - 130
1,4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-34941/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 35013

Analysis Batch: 35013

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 34941

RPD %Rec

Analyte	Added	Result	Qualifier Uni	t [D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08653	mg.	Kg	87	70 - 130	4	35
Toluene	0.100	0.07902	mg.	Kg	79	70 - 130	6	35
Ethylbenzene	0.100	0.08170	mg.	Kg	82	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1706	mg	Kg	85	70 - 130	17	35
o-Xylene	0.100	0.09761	mg.	Kg	98	70 - 130	16	35

Spike

LCSD LCSD

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 890-2999-A-1-G MS

Matrix: Solid

Analysis Batch: 35013

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

Prep Batch: 34941

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.07958		mg/Kg		79	70 - 130	
Toluene	<0.00201	U	0.100	0.07216		mg/Kg		71	70 - 130	

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Client: Ensolum

Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

Lab Sample ID: 890-2999-A-1-G MS **Matrix: Solid**

Analysis Batch: 35013

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00201	U	0.100	0.07301		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1505		mg/Kg		75	70 - 130
o-Xylene	<0.00201	U	0.100	0.08480		mg/Kg		85	70 - 130

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 107 70 - 130

Lab Sample ID: 890-2999-A-1-H MSD

Matrix: Solid

Analysis Batch: 35013

Client Sample ID:	Matrix Spike Duplicate	
	Pren Type: Total/NA	

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34941

Prep Batch: 34941 RPD

Sample Sample Spike MSD MSD Result Qualifier Added Limit Analyte Result Qualifier %Rec Limits RPD Unit Benzene <0.00201 UF1 0.0998 0.06780 F1 mg/Kg 68 70 - 130 16 35 0.07355 Toluene <0.00201 U 0.0998 mg/Kg 73 70 - 130 2 35 Ethylbenzene <0.00201 U 0.0998 0.07905 79 70 - 130 8 35 mg/Kg 0.200 72 35 m-Xylene & p-Xylene <0.00402 U 0.1441 mg/Kg 70 - 130 0.0998 <0.00201 U 0.07669 77 70 - 130 o-Xylene mg/Kg 10

MSD MSD

MB MB

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

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

Lab Sample ID: MB 880-34938/1-A

Matrix: Solid

Analysis Batch: 34885

Client Sa	mple ID): Met	thod	Blank	
	_	_	_		

Prep Type: Total/NA

Prep Batch: 34938

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Analyte 50.0 <50.0 U 09/20/22 11:59 09/20/22 19:03 Gasoline Range Organics mg/Kg (GRO)-C6-C10 09/20/22 11:59 09/20/22 19:03 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 09/20/22 11:59 09/20/22 19:03 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/20/22 11:59	09/20/22 19:03	1
o-Terphenyl	111		70 - 130	09/20/22 11:59	09/20/22 19:03	1

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

Client Sample	ID: Lab	Control	Sample
---------------	---------	---------	--------

Prep Type: Total/NA

Prep Batch: 34938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1022		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1099		mg/Kg		110	70 - 130	
C10-C28)								

Client: Ensolum Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34938

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 o-Terphenyl 105 70 - 130

Lab Sample ID: LCSD 880-34938/3-A Client Sample ID: Lab Control Sample Dup

977.6

MS MS

mg/Kg

Matrix: Solid

Analysis Batch: 34885

Diesel Range Organics (Over

Prep Type: Total/NA

70 - 130

98

Prep Batch: 34938

12

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 896.8 90 70 - 13013 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1000

C10-C28)

LCSD LCSD

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-2999-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 34885

Prep Type: Total/NA

Prep Batch: 34938

Analyte Result Qualifier hahhA Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 836.5 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 889.3 mg/Kg 89 70 - 130

Spike

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenvl	81		70 - 130

Lab Sample ID: 890-2999-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 34885

Prep Type: Total/NA Prep Batch: 34938

RPD %Rec

Sample Sample MSD MSD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit U 999 889.9 89 Gasoline Range Organics <49.9 mg/Kg 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 923.4 mg/Kg 92 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	79		70 - 130

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Client: Ensolum

Job ID: 890-3001-1

SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34878/1-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid

Analysis Batch: 35030

Client Sample ID: Method Blank

Prep Type: Soluble

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

мв мв Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/21/22 10:15

Lab Sample ID: LCS 880-34878/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35030

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 247.6 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-34878/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35030

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 248.4 mg/Kg 90 - 110

Lab Sample ID: 890-2991-A-5-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 35030

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier Result Unit %Rec Limits 466.6 Chloride 212 251 101 90 - 110 mg/Kg

Lab Sample ID: 890-2991-A-5-D MSD

Matrix: Solid

Analysis Batch: 35030

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 251 212 457.8 mg/Kg 98 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1 SDG: Lea County NM

GC VOA

Prep Batch: 34941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3001-1	PH01	Total/NA	Solid	5035	
890-3001-2	PH01	Total/NA	Solid	5035	
890-3001-3	PH01	Total/NA	Solid	5035	
MB 880-34941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2999-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-2999-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3001-1	PH01	Total/NA	Solid	8021B	34941
890-3001-2	PH01	Total/NA	Solid	8021B	34941
890-3001-3	PH01	Total/NA	Solid	8021B	34941
MB 880-34941/5-A	Method Blank	Total/NA	Solid	8021B	34941
LCS 880-34941/1-A	Lab Control Sample	Total/NA	Solid	8021B	34941
LCSD 880-34941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34941
890-2999-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	34941
890-2999-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34941

Analysis Batch: 35095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3001-1	PH01	Total/NA	Solid	Total BTEX	
890-3001-2	PH01	Total/NA	Solid	Total BTEX	
890-3001-3	PH01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34885

I ah Sample ID	Client Sample ID	Prep Type	Matrix	Method	Bron Batab
Lab Sample ID 890-3001-1	PH01	Total/NA	Solid	8015B NM	Prep Batch 34938
890-3001-2	PH01	Total/NA	Solid	8015B NM	34938
890-3001-3	PH01	Total/NA	Solid	8015B NM	34938
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015B NM	34938
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34938
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34938
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34938
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34938

Prep Batch: 34938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3001-1	PH01	Total/NA	Solid	8015NM Prep	
890-3001-2	PH01	Total/NA	Solid	8015NM Prep	
890-3001-3	PH01	Total/NA	Solid	8015NM Prep	
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

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QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1

SDG: Lea County NM

GC Semi VOA

Analysis Batch: 35067

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-3001-1	PH01	Total/NA	Solid	8015 NM	
390-3001-2	PH01	Total/NA	Solid	8015 NM	
390-3001-3	PH01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34878

890-3001-1 PH01 Soluble Solid DI L 890-3001-2 PH01 Soluble Solid DI L 890-3001-3 PH01 Soluble Solid DI L MB 880-34878/1-A Method Blank Soluble Solid DI L LCS 880-34878/2-A Lab Control Sample Soluble Solid DI L	od Prep Batch
890-3001-3 PH01 Soluble Solid DI L MB 880-34878/1-A Method Blank Soluble Solid DI L	ach
MB 880-34878/1-A Method Blank Soluble Solid DI L	ach
	ach
LCS 880-34878/2-A Lab Control Sample Soluble Solid DI L	ach
	ach
LCSD 880-34878/3-A Lab Control Sample Dup Soluble Solid DI L	ach
890-2991-A-5-C MS Matrix Spike Soluble Solid DI L	ach
890-2991-A-5-D MSD Matrix Spike Duplicate Soluble Solid DI L	ach

Analysis Batch: 35030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3001-1	PH01	Soluble	Solid	300.0	34878
890-3001-2	PH01	Soluble	Solid	300.0	34878
890-3001-3	PH01	Soluble	Solid	300.0	34878
MB 880-34878/1-A	Method Blank	Soluble	Solid	300.0	34878
LCS 880-34878/2-A	Lab Control Sample	Soluble	Solid	300.0	34878
LCSD 880-34878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34878
890-2991-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	34878
890-2991-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34878

Date Received: 09/19/22 11:08

Client: Ensolum Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1 SDG: Lea County NM

Client Sample ID: PH01 Lab Sample ID: 890-3001-1 Date Collected: 09/16/22 11:00

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Run Factor Amount Amount Number or Analyzed Analyst Type Lab Total/NA Prep 5035 5.01 g 5 mL 34941 09/20/22 12:51 MR **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 35013 09/21/22 11:27 MR EET MID Total/NA Analysis Total BTEX 35095 09/21/22 15:22 SM **EET MID** Total/NA Analysis 8015 NM 1 35067 09/21/22 13:59 AJ **EET MID** 10 mL 34938 09/20/22 11:59 EET MID Total/NA 8015NM Prep 10.02 g DM Prep Total/NA Analysis 8015B NM 1 uL 1 uL 34885 09/20/22 21:54 ΑJ **EET MID** 34878 09/19/22 18:07 SMC Soluble DI Leach 4.96 g 50 ml FFT MID Leach Soluble Analysis 300.0 5 35030 09/21/22 12:21 СН **EET MID**

Client Sample ID: PH01 Lab Sample ID: 890-3001-2

Date Collected: 09/16/22 11:05 **Matrix: Solid** Date Received: 09/19/22 11:08

Dil Final Batch Batch Initial Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor **Analyst** Lab Prep Total/NA 5035 34941 09/20/22 12:51 MR EET MID 5.02 g 5 mL 8021B Total/NA Analysis 1 5 mL 5 mL 35013 09/21/22 11:48 MR **EET MID** Total/NA Total BTEX 35095 09/21/22 15:22 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 35067 09/21/22 13:59 AJ **EET MID** Total/NA 8015NM Prep 10.01 g 10 mL 34938 09/20/22 11:59 DM FFT MID Prep Total/NA Analysis 8015B NM 1 uL 1 uL 34885 09/20/22 22:15 **EET MID** AJ Soluble 50 mL 34878 09/19/22 18:07 SMC **EET MID** Leach DI Leach 5 g Soluble 300.0 35030 09/21/22 12:26 СН **EET MID** Analysis

Client Sample ID: PH01 Lab Sample ID: 890-3001-3 Date Collected: 09/16/22 11:10

Date Received: 09/19/22 11:08

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.03 g 5 mL 34941 09/20/22 12:51 MR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 35013 09/21/22 12:08 MR **EET MID** 1 Total/NA Total BTEX 35095 09/21/22 15:22 SM **EET MID** Analysis 1 Total/NA Analysis 8015 NM 35067 09/21/22 13:59 ΑJ **EET MID** Total/NA Prep 8015NM Prep 10.01 g 10 ml 34938 09/20/22 11:59 DM FFT MID Total/NA 8015B NM 34885 09/20/22 22:36 Analysis 1 1 uL 1 uL AJ **EET MID** Soluble DI Leach 5.03 g 50 mL 34878 09/19/22 18:07 SMC **EET MID** Leach Analysis 300.0 35030 09/21/22 12:31 СН **EET MID** Soluble

Laboratory References:

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

Eurofins Carlsbad

Matrix: Solid

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3001-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for
the agency does not of	• •	t the laboratory is not certific	su by the governing authority. This list his	ay include analytes lo
,	• •	Matrix	Analyte	ay include analytes for
the agency does not of	fer certification.	,	, , ,	ay include analytes lo

Method Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1

SDG: Lea County NM

Laboratory
EET MID

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

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

Sample Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3001-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
890-3001-1	PH01	Solid	09/16/22 11:00	09/19/22 11:08	C
890-3001-2	PH01	Solid	09/16/22 11:05	09/19/22 11:08	2
890-3001-3	PH01	Solid	09/16/22 11:10	09/19/22 11:08	4

ircle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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 Hg: 1631 / 245.1 / 7470 / 7471

Chain of Custody

QUEST Preservative Codes	ANALYSIS REQUEST	Turn Around	Bombay BSB Fed Com T	Bon	
Deliverables: EDD ADaP1 Other:	n.com	Email: kjennings@ensolum.com		817-683-2503	
ei III LI PSI/USI	Midland, TX 79701	City, State ZIP:	Midland, TX 79701	Midland,	1.
State of Project:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400	601 N M	
Program: UST/PST PRP Brownfields RRC Superfund	Ensolum, LLC	Company Name:	LLC	Ensolum, LLC	ne:
Work Order Comments	Kalei Jennigns	Bill to: (if different)	nings	Kalei Jennings	er.
www.xenco.com Page 1 of 1	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, NM			1
	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, T)	Xonco		
Work Order No:	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houston, T Midland, TX (Environment Testing	urotins	2

service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Relinquished by: (Signature) itics: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions 3 Received by: (Signature) 9.19.23 Date/Time Relinquished by: (Signature) Received by: (Signature) Revised Date: 08/25/2020 Rev. 2020.: Date/Time

Page 19 of 21

NaOH+Ascorbic Acid: SAPC

Sample Comments

NAPP2202447336 Incident Number Zn Acetate+NaOH: Zn

Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS H3PO4: HP

SAMPLE RECEIPT

Temp Blank: Yes No

Yes) No

Wet Ice:

Samples Received Intact:

Cooler Custody Seals:

ample Custody Seals:

Yes

NO N/A

Temperature Reading:

Corrected Temperature:

Yes No (N/A)

Thermometer ID:

25/00 Kes No

Parameters

0

CHLORIDES (EPA: 300.0)

890-3001 Chain of Custody

H₂S0₄: H₂

Cool: Cool None: NO

MeOH: Me HNO₃: HN NaOH: Na

DI Water: H₂O

HCL: HC

Correction Factor:

Sample Identification

Matrix

Date Sampled

Sampled

Comp Grab/

Cont

*

TPH (8015)

BTEX (8021

Time

09.16.22

1100

0.5 Depth

09.16.22

PH01 PHO1

S S

09.16.22

1110 1105

ဂ G G

PH01

Sampler's Name:

roject Location:

Lea County, NM Conner Shore

Due Date:

2 Day

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

Routine

☑ Rush

Code

03D2024018

Project Number:

roject Name:

Phone:

City, State ZI

ddress:

Company Na Project Mana

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3001-1

SDG Number: Lea County NM

Login Number: 3001 List Source: Eurofins Carlsbad

List Number: 1
Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3001-1 SDG Number: Lea County NM

List Source: Eurofins Midland

List Creation: 09/20/22 10:49 AM

Login Number: 3001 List Number: 2

Creator: Rodriguez, Leticia

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

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3002-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Bombay BSB Fed Com

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

JURAMER

Authorized for release by: 9/22/2022 8:07:55 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

····· Links ······

Have a Question?



www.eurofinsus.com/Env

Visit us at:

Released to Imaging: 10/3/2022 11:54:27 AM

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

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

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Client: Ensolum
Project/Site: Bombay BSB Fed Com
Laboratory Job ID: 890-3002-1
SDG: Lea County NM

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3002-1

Project/Site: Bombay BSB Fed Com

SDG: Lea County NM

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

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: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3002-1

SDG: Lea County NM

Job ID: 890-3002-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3002-1

Receipt

The samples were received on 9/19/2022 11:05 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 4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-2998-A-1-E) and (890-2998-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-35157/1-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.

GC Semi VOA

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

HPLC/IC

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

Lab Sample ID: 890-3002-1

Client Sample Results

Client: Ensolum Job ID: 890-3002-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH03

Date Collected: 09/16/22 12:05 Date Received: 09/19/22 11:05

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			09/22/22 10:27	09/22/22 18:25	1
1,4-Difluorobenzene (Surr)	125		70 - 130			09/22/22 10:27	09/22/22 18:25	1
Method: Total BTEX - Total BTE	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/22/22 19:54	1
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/21/22 13:59	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			09/20/22 11:59	09/21/22 03:14	1
o-Terphenyl	99		70 - 130			09/20/22 11:59	09/21/22 03:14	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL 24.9	Unit mg/Kg	D	Prepared	Analyzed 09/22/22 18:09	Dil Fac

Client Sample ID: PH03

Date Collected: 09/16/22 12:10 Date Received: 09/19/22 11:05

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/22/22 10:27	09/22/22 18:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			09/22/22 10:27	09/22/22 18:46	1

Eurofins Carlsbad

Lab Sample ID: 890-3002-2

Matrix: Solid

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Lab Sample ID: 890-3002-2

Client: Ensolum Job ID: 890-3002-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH03

Date Collected: 09/16/22 12:10 Date Received: 09/19/22 11:05

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
Method. 002 1D - Volatile Organic Compounds	(OO) (Oolillillided)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	124		70 - 130	09/22/22 10:27	09/22/22 18:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			09/22/22 19:54	1

ı		
ı	Method: 8015 NM - Diesel Range Organics (DRO)	(CC)
ı	Method. 0013 NM - Diesel Kange Organics (DKO)	(00)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/21/22 13:59	1

1	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:35	1
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:35	1
(OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/21/22 03:35	1
;	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepare	d Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	09/20/22 11	1:59 09/21/22 03:35	1
o-Terphenyl	93		70 - 130	09/20/22 11	1:59 09/21/22 03:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	713	4.98	mg/Kg		_	09/22/22 18:14	1

Client Sample ID: PH03 Lab Sample ID: 890-3002-3 Matrix: Solid

Date Collected: 09/16/22 12:15 Date Received: 09/19/22 11:05

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

	, , , , , , , , , , , , , , , , , , , ,							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/22/22 10:27	09/22/22 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			09/22/22 10:27	09/22/22 19:07	1
1,4-Difluorobenzene (Surr)	73		70 - 130			09/22/22 10:27	09/22/22 19:07	1

Mothod:	Total RTEY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	ma/Ka			09/22/22 19:54	1

Analyte	•	•	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			<49.9	U	49.9	mg/Kg			09/21/22 13:59	1

Lab Sample ID: 890-3002-3

Client Sample Results

Client: Ensolum Job ID: 890-3002-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Client Sample ID: PH03

Date Collected: 09/16/22 12:15 Date Received: 09/19/22 11:05

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 03:57	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 03:57	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/20/22 11:59	09/21/22 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			09/20/22 11:59	09/21/22 03:57	1
o-Terphenyl	106		70 - 130			09/20/22 11:59	09/21/22 03:57	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			49.9	mg/Kg			09/22/22 18:19	10

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Surrogate Summary

Client: Ensolum Job ID: 890-3002-1
Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2998-A-1-C MS	Matrix Spike	126	122	
890-2998-A-1-D MSD	Matrix Spike Duplicate	138 S1+	121	
890-3002-1	PH03	171 S1+	125	
890-3002-2	PH03	171 S1+	124	
890-3002-3	PH03	100	73	
LCS 880-35157/1-A	Lab Control Sample	136 S1+	117	
LCSD 880-35157/2-A	Lab Control Sample Dup	127	114	
MB 880-35157/5-A	Method Blank	110	108	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ene (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2999-A-1-E MS	Matrix Spike	109	81	
890-2999-A-1-F MSD	Matrix Spike Duplicate	115	79	
890-3002-1	PH03	109	99	
890-3002-2	PH03	99	93	
890-3002-3	PH03	116	106	
LCS 880-34938/2-A	Lab Control Sample	114	105	
LCSD 880-34938/3-A	Lab Control Sample Dup	129	90	
MB 880-34938/1-A	Method Blank	118	111	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Prep Type: Total/NA

13

Client: Ensolum

Job ID: 890-3002-1

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35157/5-A

Lab Sample ID: LCS 880-35157/1-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid

Analysis Batch: 35151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35157

	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/22/22 10:27	09/22/22 15:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/22/22 10:27	09/22/22 15:59	1

MB MB

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110	70 - 130	09/22/22 10:27	09/22/22 15:59	1
1,4-Difluorobenzene (Surr)	108	70 - 130	09/22/22 10:27	09/22/22 15:59	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35157

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1010 mg/Kg 101 70 - 130 Toluene 0.100 0.09728 mg/Kg 97 70 - 130 0.100 Ethylbenzene 0.1069 mg/Kg 107 70 - 130 0.200 122 70 - 130 m-Xylene & p-Xylene 0.2437 mg/Kg 0.100 0.1191 70 - 130 o-Xylene mg/Kg 119

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Matrix: Solid

Analysis Batch: 35151

Analysis Batch: 35151

Lab Sample ID: LCSD 880-35157/2-A

Prep Type: Total/NA Prep Batch: 35157

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09002		mg/Kg		90	70 - 130	11	35
Toluene	0.100	0.09451		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2295		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1105		mg/Kg		111	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	127	70 - 130
1,4-Difluorobenzene (Surr)	114	70 - 130

Lab Sample ID: 890-2998-A-1-C MS

Matrix: Solid

Analysis Batch: 35151

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

Prep Batch: 35157

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.09601		mg/Kg		96	70 - 130	
Toluene	<0.00200	U	0.0998	0.08061		mg/Kg		81	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-3002-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

Lab Sample ID: 890-2998-A-1-C MS

Lab Sample ID: 890-2998-A-1-D MSD

Matrix: Solid

Analysis Batch: 35151

Client San	nple	ID:	Matrix	S	pike
	_	_	_		

Prep Type: Total/NA

Prep Batch: 35157

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.0998	0.08856		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1986		mg/Kg		99	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.09612		mg/Kg		96	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	70 - 130
1,4-Difluorobenzene (Surr)	122	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35157

Matrix: Solid

Analysis Batch: 35151

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09474		mg/Kg		94	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09384		mg/Kg		93	70 - 130	15	35
Ethylbenzene	<0.00200	U	0.100	0.1035		mg/Kg		103	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.2299		mg/Kg		114	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.1098		mg/Kg		109	70 - 130	13	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

Lab Sample ID: MB 880-34938/1-A

Matrix: Solid

Analysis Batch: 34885

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

Prep Batch: 34938

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/20/22 11:59	09/20/22 19:03	1
	Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	AnalyteResultGasoline Range Organics<50.0	Analyte Result Qualifier Gasoline Range Organics <50.0	Analyte Result Qualifier RL Gasoline Range Organics <50.0	Analyte Result Qualifier RL Unit Gasoline Range Organics <50.0	Gasoline Range Organics	Analyte Result Qualifier RL Unit D Prepared Gasoline Range Organics <50.0	Analyte Result Qualifier RL Unit D Prepared Analyzed Gasoline Range Organics <50.0

MB MB

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/20/22 11:59	09/20/22 19:03	1
o-Terphenyl	111		70 - 130	09/20/22 11:59	09/20/22 19:03	1

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

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

Prep Batch: 34938

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1022		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1099		mg/Kg		110	70 - 130	

C10-C28)

Job ID: 890-3002-1 Client: Ensolum Project/Site: Bombay BSB Fed Com SDG: Lea County NM

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

LCS LCS

%Recovery Qualifier

114

Lab Sample ID: LCS 880-34938/2-A

Matrix: Solid

Analysis Batch: 34885

Surrogate

1-Chlorooctane

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34938

o-Terphenyl 105 70 - 130

Limits

70 - 130

Lab Sample ID: LCSD 880-34938/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 34885

Prep Type: Total/NA

Prep Batch: 34938

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 896.8 90 70 - 13013 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 977.6 98 mg/Kg 70 - 13012 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 129 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 90

Lab Sample ID: 890-2999-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 34885

Prep Type: Total/NA

Prep Batch: 34938

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 836.5 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 889.3 mg/Kg 89 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 109 o-Terphenyl 81 70 - 130

Lab Sample ID: 890-2999-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 34885

Prep Type: Total/NA Prep Batch: 34938

RPD

Sample Sample MSD MSD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 889.9 Gasoline Range Organics <49.9 mg/Kg 89 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 923.4 mg/Kg 92 70 - 130 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 115 70 - 130 79 70 - 130 o-Terphenyl

Client: Ensolum

Job ID: 890-3002-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: Lea County NM

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34935/1-A

Project/Site: Bombay BSB Fed Com

Matrix: Solid

Analysis Batch: 35156

мв мв

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit mg/Kg
 D mg/Kg
 Prepared Prepared 09/22/22 17:40
 Dil Fac 09/22/22 17:40

Lab Sample ID: LCS 880-34935/2-A

Matrix: Solid

Analysis Batch: 35156

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 249.7 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-34935/3-A

Matrix: Solid

Analysis Batch: 35156

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.1 mg/Kg 100 90 - 110

Lab Sample ID: 890-3000-A-3-C MS

Matrix: Solid

Analysis Batch: 35156

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 360 252 589.4 90 - 110 mg/Kg

Lab Sample ID: 890-3000-A-3-D MSD

Matrix: Solid

Analysis Batch: 35156

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 252 360 590.3 mg/Kg 91 90 - 110 0 20

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QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3002-1 SDG: Lea County NM

GC VOA

Analysis Batch: 35151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Total/NA	Solid	8021B	35157
890-3002-2	PH03	Total/NA	Solid	8021B	35157
890-3002-3	PH03	Total/NA	Solid	8021B	35157
MB 880-35157/5-A	Method Blank	Total/NA	Solid	8021B	35157
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	8021B	35157
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35157
890-2998-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	35157
890-2998-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35157

Prep Batch: 35157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Total/NA	Solid	5035	<u> </u>
890-3002-2	PH03	Total/NA	Solid	5035	
890-3002-3	PH03	Total/NA	Solid	5035	
MB 880-35157/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35157/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35157/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2998-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2998-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Total/NA	Solid	Total BTEX	
890-3002-2	PH03	Total/NA	Solid	Total BTEX	
890-3002-3	PH03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Total/NA	Solid	8015B NM	34938
890-3002-2	PH03	Total/NA	Solid	8015B NM	34938
890-3002-3	PH03	Total/NA	Solid	8015B NM	34938
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015B NM	34938
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34938
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34938
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34938
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34938

Prep Batch: 34938

Lab Camada ID	Olicant Committee ID	D T	88-4-4-	84 - 44d	Dura Datah
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Total/NA	Solid	8015NM Prep	
890-3002-2	PH03	Total/NA	Solid	8015NM Prep	
890-3002-3	PH03	Total/NA	Solid	8015NM Prep	
MB 880-34938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2999-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2999-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3002-1

SDG: Lea County NM

GC Semi VOA

Analysis Batch: 35070

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-3002-1	PH03	Total/NA	Solid	8015 NM	
90-3002-2	PH03	Total/NA	Solid	8015 NM	
90-3002-3	PH03	Total/NA	Solid	8015 NM	

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Leach Batch: 34935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Soluble	Solid	DI Leach	
890-3002-2	PH03	Soluble	Solid	DI Leach	
890-3002-3	PH03	Soluble	Solid	DI Leach	
MB 880-34935/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34935/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34935/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3000-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3000-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3002-1	PH03	Soluble	Solid	300.0	34935
890-3002-2	PH03	Soluble	Solid	300.0	34935
890-3002-3	PH03	Soluble	Solid	300.0	34935
MB 880-34935/1-A	Method Blank	Soluble	Solid	300.0	34935
LCS 880-34935/2-A	Lab Control Sample	Soluble	Solid	300.0	34935
LCSD 880-34935/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34935
890-3000-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	34935
890-3000-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34935

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 18:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35216	09/22/22 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35070	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 03:14	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34935	09/21/22 10:00	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	35156	09/22/22 18:09	CH	EET MID

Lab Sample ID: 890-3002-2

Client Sample ID: PH03 Date Collected: 09/16/22 12:10

Matrix: Solid

Date Received: 09/19/22 11:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 18:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35216	09/22/22 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35070	09/21/22 13:59	AJ	EET MIC
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 03:35	AJ	EET MIC
Soluble	Leach	DI Leach			5.02 g	50 mL	34935	09/21/22 10:00	KS	EET MIC
Soluble	Analysis	300.0		1	50 mL	50 mL	35156	09/22/22 18:14	CH	EET MID

Client Sample ID: PH03

Lab Sample ID: 890-3002-3

Date Collected: 09/16/22 12:15 Date Received: 09/19/22 11:05

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35157	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35151	09/22/22 19:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35216	09/22/22 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35070	09/21/22 13:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34938	09/20/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34885	09/21/22 03:57	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34935	09/21/22 10:00	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	35156	09/22/22 18:19	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3002-1 Project/Site: Bombay BSB Fed Com SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, but	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes fo
the agency does not of	• •	it the laboratory is not certific	su by the governing authority. This list his	ay include analytes to
,	• •	Matrix	Analyte	ay include analytes to
the agency does not of	fer certification.	,	, , ,	ay illoude allalytes lo

Method Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3002-1

SDG: Lea County NM

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

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

Sample Summary

Client: Ensolum

Project/Site: Bombay BSB Fed Com

Job ID: 890-3002-1

SDG: Lea County NM

h			

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3002-1	PH03	Solid	09/16/22 12:05	09/19/22 11:05	0.5'
890-3002-2	PH03	Solid	09/16/22 12:10	09/19/22 11:05	2'
890-3002-3	PH03	Solid	09/16/22 12:15	09/19/22 11:05	4'

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eurofins Xenco Environment Testing

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

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	Date/Time	Received by: (Signature)	Received	ature)	y: (Sign	Relinquished by: (Signature)	Relin	me	Date/Time		ıre)	Received by: (Signature)	Received)	: (Signature	Relinquished by: (Signature)
		ond the control jously negotiated.	circumstances beyonforced unless previ	s are due to ms will be e	such losse . These ter	the client if not analyzed	incurred by Xenco, but I	or expenses to Eurofine	company to any losses e submitted	bility for a	rchase order fr ne any responsi Irge of \$5 for ea	titutes a valid pu d shall not assun project and a cha	t of samples cons applied to each	only for the cos	co will be liable a limum charge of	voice: Signature of mis document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its artiliates and subcontractors. It assigns standard terms and voluntions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated
	7470 / 74/1	Hg: 1631 / 245.1 / 7470	o Ni Se Ag TI U	Ni Se	Mn Mc	o Cu Pb	Cd Cr Co Cu Pb Mn M	Ba Be	Sb As Ba Be	RCRA	TCLP / SPLP 6010: 8RCRA	TCLP / SP	řed	to be analyz	nd Metal(s)	Circle Method(s) and Metal(s) to be analyzed
		Ag SiO ₂ Na Sr Ti	Mn Mo Ni K Se	Pb Mg M	Cu Fe P	Cr Co C	са са	Ba Be B	Sb As I	≥	M Texas 11	8RCRA 13PPM	88	200.8 / 6020:		Total 200.7 / 6010
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	NAPP2202447336	₹														
	Incident Number	3						×	×		4' G	1215	09.16.22	S	ü	PH03
								×	×		2' G	1210	09.16.22	S	3	PH03
					_	-		×	×	_	0.5' G	1205	09.16.22	S	3	PH03
Par	Sample Comments	San						TPH (8	CHLOF	b/ # of p Cont	Depth Comp	Time Sampled	Date Sampled	Matrix	ntification	Sample Identification
	NaOH+Ascorbic Acid: SAPC	NaOH+A	_	_	_	_			RIDE		8.H	mperature:	Corrected Temperature:			Total Containers:
	Zn Acetate+NaOH: Zn	Zn Acetat		Charach	Chain	2005-068	1		S (E		7.0	Reading:	Temperature Reading:	NO UNIA	als: Yes	Sample Custody Seals:
	NacC ₃	Na ₂ S ₂ O ₃ : NaSO ₃							PA:	Pa	0.0	actor:	Correction Factor:	No No		Cooler Custody Seals:
0 4	NABIS	NaHSO4: NABIS							300	arar	500 VVV		Thermometer ID:	Yes No		Samples Received Intact:
	7	H ₃ PO ₄ : HP							.0)	nete	Yes No	Wet ice:	€ Ýes No	Temp Blank: (SAMPLE RECEIPT
	2 NaOH: Na	H ₂ S0 ₄ : H ₂								_	the lab, if received by 4:30pm	the lab, if rece				PO#
		HCL: HC	-	_	_	-				¥	day received t	TAT starts the day received by	œ'	Conner Shore	0	Sampler's Name:
		Cool: Cool									2 Day	Due Date:		Lea County, NM	Le	Project Location:
	DI Water: H ₂ O	None: NO						_		Code	☑ Rush	Routine		03D2024018		Project Number:
	Preservative Codes	Pres		ANALYSIS REQUEST	YSIS R	ANAL					Turn Around	Turn.	Com	Bombay BSB Fed Com	Bomb	Project Name:
	Other:	ADaPT []	Deliverables: EDD	Delive					n.com	ensolur	Email: kjennings@ensolum.com	Email:		503	817-683-2503	Phone:
	TRRP Level IVL	Reporting: Level III Level III L PST/UST L TRRP	ting: Level II L	Repor			_	Midland, TX 79701	Midland	٠,٧	City, State ZIP			X 79701	Midland, TX 79701	City, State ZIP:
]	State of Project:	State		00	601 N Marienfeld St Suite 400	/arienfeld	601 N N		Address:		uite 400	601 N Marienfeld St Suite 400	601 N Mar	Address:
	RRC Superfund	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐	am: UST/PST 🗌	Progr				n, LLC	Ensolum, LLC	me:	Company Name:			TC	Ensolum, LLC	Company Name:
	is .	Work Order Comments	_					nnigns	Kalei Jennigns	ent)	Bill to: (if different)			ings	Kalei Jennings	Project Manager:
	Of	www.xenco.com Page	ww													

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3002-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad Login Number: 3002 List Number: 1

Creator: Stutzman, Amanda

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

Eurofins Carlsbad

Released to Imaging: 10/3/2022 11:54:27 AM

<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3002-1

SDG Number: Lea County NM

Login Number: 3002 List Source: Eurofins Midland List Number: 2 List Creation: 09/20/22 10:49 AM

Creator: Rodriguez, Leticia

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



APPENDIX E

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	NAPP2202447336
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Kelsy Waggaman	Contact Telephone	(432) 688-9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2202447336
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

			Location of	Release So	ource
atitude	32.175	511		Longitude _	-103.69016
			(NAD 83 in decimal	l degrees to 5 decim	nal places)
Site Name		Bombay BSB	Federal Com 001	IH Site Type	Tank Battery
Date Release	Discovered	January 7, 2	2022	API# (if app	licable)
Unit Letter	Section	Township	Range	Coun	fv
H	32	24S	32E	Lea	<u> </u>
	<u> </u>	210	OZL		<u>a</u>
urface Owne	r: State	■ Federal □ Tr	ribal 🔲 Private (Nam	ıe:)
urface Owne	r: State	■ Federal □ Tr			Release
urface Owne			Nature and V	olume of I	
	Material		Nature and V	olume of I	justification for the volumes provided below)
	Material I	I(s) Released (Select al	Nature and V	olume of I	justification for the volumes provided below)
☐ Crude Oi	Material I	Volume Released Volume Released Volume Released Is the concentrat	Nature and Value and Value and attach calc d (bbls) 62.5 d (bbls)	Volume of F	justification for the volumes provided below) Volume Recovered (bbls)
Crude Oi	Material l Water	l(s) Released (Select al Volume Release Volume Release	Nature and V that apply and attach calc d (bbls) 62.5 d (bbls) cion of dissolved chlor >10,000 mg/l?	Volume of F	volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls)
☐ Crude Oi☐ Produced	Material l Water	Volume Released Volume Released Volume Released Is the concentrate produced water	Nature and Value and Value and Value and value and value and attach calc d (bbls) 62.5 d (bbls) d (bbls) d (bbls) d (bbls) d (bbls) d (bbls)	Volume of F	justification for the volumes provided below) Volume Recovered (bbls) Volume Recovered (bbls) Yes No
☐ Crude Oi ☐ Produced ☐ Condensa	Material I Water ate Gas	Volume Released Is the concentrat produced water Volume Released Volume Released Volume Released	Nature and Value and Value and Value and value and value and attach calc d (bbls) 62.5 d (bbls) d (bbls) d (bbls) d (bbls) d (bbls) d (bbls)	Volume of Formulations or specific ride in the	volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls)

Received by OCD: 9/28/2022 1:45:30 PM State of New Mexico
Page 2 Oil Conservation Division

Page.	12:03e	of 2	09
		J -	,

Incident ID	NAPP2202447336
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the resp	onsible party consider this a major release?
release as defined by	Release was greater than 25 b	parrels.
19.15.29.7(A) NMAC?		
■ Yes □ No		
If YES, was immediate no	otice given to the OCD? By whom? To	whom? When and by what means (phone, email, etc)?
		nan via email on January 7, 2022 at 6:05 pm to
BLM_NM_CFO_Sp	ill@blm.gov and ocd.enviro@st	ate.nm.us
		Response
	Initiari	Acsponse
The responsible	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
■ The impacted area ha	s been secured to protect human health a	nd the environment.
Released materials ha	ive been contained via the use of berms o	r dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed	and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explai	n why:
		e remediation immediately after discovery of a release. If remediation
		al efforts have been successfully completed or if the release occurred
		, please attach all information needed for closure evaluation.
		ne best of my knowledge and understand that pursuant to OCD rules and obtifications and perform corrective actions for releases which may endanger
public health or the environr	ment. The acceptance of a C-141 report by the	e OCD does not relieve the operator of liability should their operations have
		areat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name Brittar	ny N. Esparza za@ConocoPhillips.com	Title: Environmental Technician
-13-1	tan Doparage	
Signature:		Date: 1/24/2022 Telephone: (432) 221-0398
email: Brittany.Espar	za@ConocoPhillips.com	Telephone: (432) 221-0398
OCD Only		
Received by: Ramo	ona Marcus	Date:1/24/2022
<u> </u>		

L48 Spill Volume Estimate Form

Released to Imaging: 10/3/2022 11:54:27

Received by OCD: 1/24/2022 inty 39 and 2 Mumber: Bonmbay BSB Fed Com 1

Asset Area: DBEN

Release Discovery Data 2 Times 4 Transport NAPP2202447336 Release Discovery Date & Time: 1/7/2022

Release Type: Oil Mixture

Provide any known details about the event: FWKO swamped out/fluid out flare

Spill Calculation - On Pad Surface Pool Spill												
Convert Irregular shape into a series of rectangles	Length (ft.)	DESCRIPTION OF THE PROPERTY OF	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	The state of the s	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	f Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	140.0	40.0	3.00	4	5600.000	0.063	62.300	0.003	62.495	10.00%	6.249	56.245
Rectangle B			A TOTAL TOTA	A	0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.00	#DIV/0!	#DIV/0!
Rectangle C		A = I		A	0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle D		A = 7			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E		I = I			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F		A = I			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Refeased to Imagi	ing: 1/	24/202	2 4:19:45 PM		0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
							T	otal Volume Release:	62.495	·	6.249	56.245

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

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

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

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

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

CONDITIONS

Action 74721

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	74721
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date	l
rmarcus	None	1/24/2022	ĺ

tate of New Mexico

Incident ID	NAPP2202447336
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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.

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Received by OCD: 9/28/2022 1:45:30 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	NAPP2202447336
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: _Charles Beauvais	_ Title: _Senior Environmental Engineer			
Signature: Charles R. Beauvais 99	Date:09/27/2022			
email: _Charles.R.Beauvais@conocophillips.com	Telephone:575-988-2043			
OCD Only Received by: Jocelyn Harimon	Date: 09/28/2022			

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Incident ID	NAPP2202447336
District RP	
Facility ID	
Application ID	

Closure

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

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

✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC				
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)				
□ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)				
Description of remediation activities				
I hereby certify that the information given above is true and complete the and regulations all operators are required to report and/or file certain results and regulations all operators are required to report and/or file certain results and reduced to the environment. The acceptance of a Coshould their operations have failed to adequately investigate and remoch human health or the environment. In addition, OCD acceptance of a Compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditional accordance with 19.15.29.13 NMAC including notification to the OCI Printed Name: _ Charles Beauvais	C-141 report by the OCD does not relieve the operator of liability liate contamination that pose a threat to groundwater, surface water, -141 report does not relieve the operator of responsibility for ns. The responsible party acknowledges they must substantially tions that existed prior to the release or their final land use in D when reclamation and re-vegetation are complete. Title: _ Senior Environmental Engineer			
OCD Only				
Received by:	Date:09/28/2022			
	liability should their operations have failed to adequately investigate and er, human health, or the environment nor does not relieve the responsible regulations.			
Closure Approved by:	Date: 10/03/2022			
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

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 147010

CONDITIONS

	2000
Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	147010
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	10/3/2022