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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

pVF1828927261

Release Notification

NMOCD
OCT 15 2018
DISTRICT III

Responsible Party

Responsible Party: Western Refining Pipeline, LLC	OGRID
Contact Name: Matthew Krakow	Contact Telephone: 505-632-4169
Contact email: matthew.j.krakow@andeavor.com	Incident # *(assigned by OCD)* nVF1829050751
Contact mailing address: 111 CR4990 Bloomfield, NM 87413	

Location of Release Source

Latitude 35.733235 Longitude -107.747355
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hospah Station	Site Type: Crude Station
Date Release Discovered: 09/08/2018	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
	1	17N	9W	McKinley

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 925	Volume Recovered (bbls) 821
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Piping component failure caused the release of the crude oil.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Major release defined by the spill volume >25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Matthew Krakow notified Jim Griswold, Vanessa Fields, and Cory Smith by email and left voicemails for Jim Griswold and Vanessa Fields.	

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Matthew Krakow Title: Environmental Specialist

Signature: _____ Date: 9-21-18

email: matthew.j.krakow@andeavor.com Telephone: 505-632-4169

OCD Only

Received by: _____ Date: _____

3R-1068

Western Refining Pipeline, LLC

Hospah Station

October 2018

State of New Mexico
Oil Conservation Division

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Matthew Krakow Title: Environmental Specialist

Signature: Matthew Krakow Date: 10-12-18

email: Matthew.J.Krakow@Andeavor.com Telephone: 505-632-4169

OCD Only

Received by: Vanessa Fields Date: 10/17/2018

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: [signature] Date: 10/17/2018

9/21/2018
Western Refining Pipeline, LLC
111 CR4990, Bloomfield, NM 87413

Current Remediation Actions (Hospah Station)

Western Refining has initiated the remediation process at the Hospah site. The initial actions included isolation of the station and termination of the release of oil, containing the spill, and recovering the free product with vacuum trucks and absorbent materials. Western has continued the remediation efforts by excavating the impacted soils at the site. Western is currently working with the local district office to collect confirmation sampling for the first clean-up area. Impacted soils have been characterized and are being disposed of at Envirotech's land farm. Additional remediation is still required and is ongoing.

Matthew Krakow
Environmental Specialist
505-632-4169

Fields, Vanessa, EMNRD

From: Fields, Vanessa, EMNRD
Sent: Tuesday, October 16, 2018 9:46 AM
To: Krakow, Matthew J
Cc: Smith, Cory, EMNRD
Subject: Western Refinery Hospah Station Deferment Request

Good morning Matt,

The OCD has reviewed Western Refinery's deferment request for leaving impacts in place "only" under the 3-foot reinforced concrete pad and approves Western's deferment request with the following conditions of approval:

- The OCD grants the deferment only under the 3-foot reinforced concrete pad. Western will continue to remediate the remainder of the release to the following standard referenced in Table 1 of 19.15.29. ≤50 feet.

Chloride***		600 mg/kg
TPH	(GRO+DRO+MRO)	1OO mg/kg
BTEX		50 mg/kg
Benzene		10 mg/kg

- Western will need to apply an oxidizer on the below ground surface of the concreate pad prior to backfilling. OCD must be notified of oxidizer type and notice of application, application rate and photos of completed oxidizer application.
- Western, will remediate the impacts at P&A or earlier if the becomes accessible for any reason.
- Western will notify the OCD prior to starting remediation of the deferred area.
- Western will include this approval in the "Final" C-141.
- Western will submit a final C-141 upon completing remediation efforts excluding the deferred area.

Please let me know if you have any questions.

Thank you,
Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

LT Environmental, Inc.
848 East Second Avenue
Durango, Colorado 81301
970.385.1096

October 11, 2018

Ms. Vanessa Fields
Environmental Specialist
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Hospah Station Deferment Request
Hospah Station
McKinley County, New Mexico

Dear Ms. Fields:

LT Environmental, Inc. (LTE) on behalf of Western Refining Pipeline, LLC. (Western) presents the following deferment request for remediating impacted soil located beneath a newly installed concrete pad that will house oil transfer pumps required for facility operations at the Hospah Station (Site) in Section 1 of Township 17 North, Range 9 West in McKinley County, New Mexico. This deferment request is being presented prior to completion of remediation activities. Western requests to backfill portions of the excavation where sample results indicate excavation activities are complete and where impacted soil that will be left in place has been delineated beneath the recently installed concrete pad. This will allow the station to be returned to service while additional remediation is completed.

BACKGROUND

On September 8, 2018, the failure of an oil transfer pump resulted in the release of 925 barrels (bbls) of crude oil at the Site. In response to the release, Western isolated the station, contained the release, used vacuum trucks to recover free standing oil, and initiated excavation activities. Approximately 821 bbls of crude oil were recovered.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on data for the nearest permitted water well, C-96623, located 2,263 feet to the northwest. Depth to groundwater in the well is 580 feet bgs and total depth of the well is 780 feet bgs. The Site is located less than 300 feet from Sandoval Arroyo to the south. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet to a permanent 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 an unstable area, 100-year floodplain, or overlying a subsurface mine. Based on these criteria, the following New Mexico Oil Conservation Division (NMOCD) remediation action levels apply: 10 milligrams per kilogram

(mg/kg) benzene; 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX); 100 mg/kg total petroleum hydrocarbons (TPH), and 600 mg/kg chloride.

REMEDIATION ACTIVITIES

On September 9, 2018, Western began excavation activities where impacted soil was observed, starting with the areas closest to the oil transfer pumps and moving west and north, excavating around piping and other infrastructure as it was encountered. The approximately 60-foot by 16-foot concrete pad is located in the release footprint, which required excavation activities to be conducted around the recently installed concrete pad. An area south of the concrete pad was excavated to an average depth of approximately 6 feet bgs; the south trench excavation area is represented by sections 1 through 4 on Figure 1. A trench north of the concrete pad was excavated to an average depth of approximately 8 feet bgs, represented as North Trench on Figure 1. An area west of the recently installed concrete pad was excavated to an approximate depth of 8 feet bgs, between the concrete pad for the oil transfer pumps and a second concrete pad that was the foundation of a former out-building. Although visible on the aerial on Figure 1 and Figure 2, the former out-building concrete pad was removed as part of the excavation activities and soil beneath it has been removed. The excavated area west of the recently installed concrete pad is represented as Section 5 on Figure 1. A small area was excavated to the east of the concrete pad; however no impacted soil was encountered in this east area. Additional excavation continues northwest of the recently installed concrete pad and west of the former out-building concrete pad. An Envirotech, Inc. technician is conducting excavation oversight and collecting soil samples. As of October 5, 2018, Western has excavated approximately 1,000 cubic yards of impacted soil and excavation activities are ongoing. Figure 1 depicts the horizontal extent of the excavation as on October 5, 2018. All soil is being disposed of at the Envirotech Landfarm in Bloomfield, New Mexico.

DEFERMENT REQUEST

The recently installed 3-foot thick reinforced concrete pad is located within the release footprint and impacted soil has been identified beneath it. This recently installed concrete pad is currently empty but is planned to be used for installing an updated and redesigned pump system required for operating the facility. Western has delineated the impacted soil around and beneath the concrete pad (Figure 2 and Table 1). Analytical results from soil sampling indicate that impacted soil is present from directly beneath the concrete pad to a depth of less than 4 feet bgs. Composite soil samples collected from the excavation walls surrounding the concrete pad indicate the majority of impacted soil from this area has been removed, with small portions still exceeding the NMOCD remediation action levels as indicated by grab samples: S. Trench Sec. 5 East Wall Grab; S. Trench Sec. 2 Under Slab Grab; S. Trench Sec. 2 Under Slab #1; and S. Trench Sec. 2 Under Slab #2 (Figure 2).

In accordance with New Mexico Administrative Code (NMAC) 19.15.29.12 C. (2), Western is proposing to leave in place approximately 140 cubic yards of impacted soil beneath the concrete pad in place until facility closure and deconstruction or when construction activities at the Site allow for access to the impacted soil beneath the concrete pad. Western has excavated as close as possible to the edge of the concrete pad without compromising the structural integrity of the pad. Composite soil samples collected from each excavation sidewall and floor surrounding the concrete pad contain no concentrations of BTEX or TPH exceeding NMOCD standards. Grab samples collected from under the concrete pad via horizontal boring contain concentrations of total BTEX ranging from below laboratory detection limits to 168.72 mg/kg in S. Trench Sec. 2 Under Slab Grab. Concentrations of total TPH in soil samples from under the concrete pad range from below laboratory detection limits to 56,020 mg/kg in S. Trench Sec. 2 Under Slab Grab.

Based on data presented in this report, Western requests permission to backfill the areas identified on Figure 1 to allow safe access to the concrete pad. Excavation and remediation activities will continue in areas that are not compliant with NMOCD standards to the north, east, and west; these areas are identified on Figure 1.

Excavation and soil sampling activities, including information presented in this deferment request and subsequent soil removal, will be included in a closure report to be submitted to the NMOCD when remaining remediation activities are complete.

Sincerely,

LT ENVIRONMENTAL, INC.

Devin Hencmann
Project Geologist

Attachments:

Figure 1	Site Map
Figure 2	Sample Location Map
Table 1	Soil Analytical Results
Attachment 1	Laboratory Analytical Reports

In accordance with
proposing to leave
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surrounding the co
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Under Slab Grab.

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identified on Figure
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Excavation and soil
request and subsequ
NMOCD when rema

Sincerely,

LT ENVIRONMENTAL

Devin Hencmann
Project Geologist

Attachments:

Figure 1	Site M
Figure 2	Samp
Table 1	Soil A
Attachment 1	Labor

FIGURES

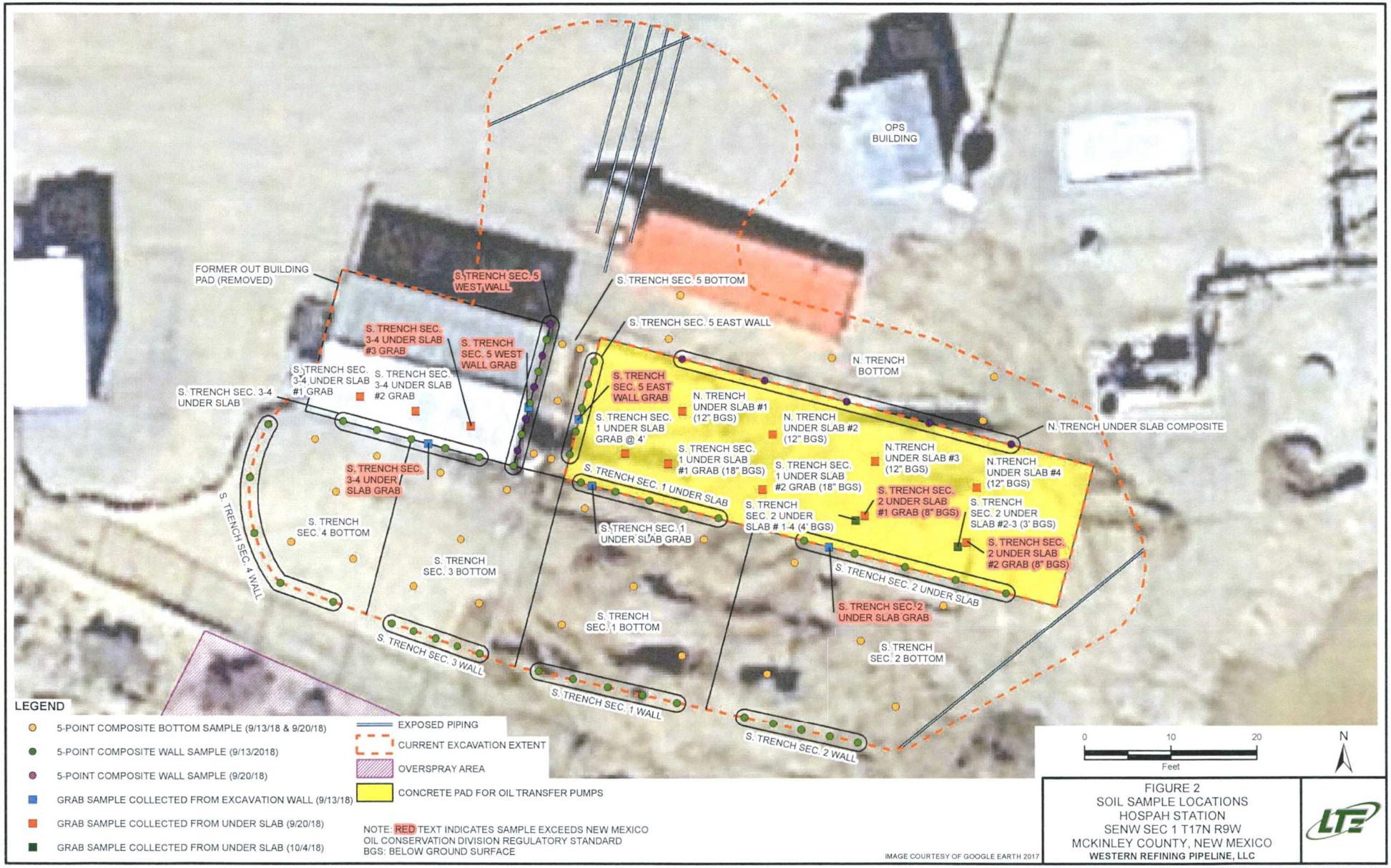

FIGURE 2
SOIL SAMPLE LOCATIONS
HOSPAH STATION
SENW SEC 1 T17N R9W
MCKINLEY COUNTY, NEW MEXICO
WESTERN REFINING PIPELINE, LLC

P:\Western Refining\GIS\MXD\029518019_HOSPAH STATION\029518019_FIG02_SOIL_2018_11X17.mxd

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS

HOSPAH STATION
MCKINLEY COUNTY, NEW MEXICO
WESTERN REFINING, INC.

Sample Name	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylben-zene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	C6-C10 Gasoline Range Organics (mg/kg)	C10-C28 Diesel Range Organics (mg/kg)	C28-C40 Motor Oil Range Organics (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
S. Trench Sec. 1 Bottom	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	30.5	<50.0	30.5	<20.0
S. Trench Sec. 2 Bottom	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 1 Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 2 Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 1 Under Slab	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 2 Under Slab	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 2 Under Slab Grab	9/13/2018	4.72	40.9	17.1	106	**168.72**	1,010	47,400	7,610	**56,020**	<20.0
S. Trench Sec. 1 Under Slab Grab	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 3 Bottom	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	76.3	<50.0	76.3	<20.0
S. Trench Sec. 4 Bottom	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 3 Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	40.1	<50.0	40.1	<20.0
S. Trench Sec. 4 Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 3-4 Under Slab	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	52.4	<50.0	52.4	<20.0
S. Trench Sec. 3-4 Under Slab Grab	9/13/2018	6.52	56.2	26.2	156	**244.92**	1,720	60,000	6,130	**67,850**	<20.0
S. Trench Sec. 5 East Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 5 West Wall	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	190	199	**389**	<20.0
S. Trench Sec. 5 Bottom	9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 5 East Wall Grab	9/13/2018	0.166	3.56	2.7	17.6	24.026	207	5,260	786	**6,253**	<20.0
S. Trench Sec. 5 West Wall Grab	9/13/2018	1.73	28.2	14.9	95.1	**139.93**	853	20,000	2,630	**23,483**	<20.0
S. Trench Sec. 1 Under Slab #1 Grab (collected @18" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 1 Under Slab #2 Grab (collected @18" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 1 Under Slab Grab @ 4'	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 2 Under Slab #1 Grab (collected at 8" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	422	350	**772**	<20.0
S. Trench Sec. 2 Under Slab #2 Grab (collected at 8" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	157	187	**344**	<20.0
S. Trench Sec. 3-4 Under Slab #1 Grab	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 3-4 Under Slab #2 Grab	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 3-4 Under Slab #3 Grab	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	789	804	**1,593**	<20.0
S. Trench Sec. 5 West Wall	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	309	296	**605**	<20.0
N. Trench Under Slab Composite	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0

TABLE 1
SOIL ANALYTICAL RESULTS

HOSPAH STATION
MCKINLEY COUNTY, NEW MEXICO
WESTERN REFINING, INC.

Sample Name	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylben-zene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	C6-C10 Gasoline Range Organics (mg/kg)	C10-C28 Diesel Range Organics (mg/kg)	C28-C40 Motor Oil Range Organics (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
N. Trench Bottom	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
N. Trench Under Slab #1 (collected @12" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
N. Trench Under Slab #2 (collected @12" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
N.Trench Under Slab #3 (collected @12" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
N.Trench Under Slab #4 (collected @12" bgs)	9/20/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<20.0	<25.0	<50.0	<50.0	<20.0
S. Trench Sec. 2 Under Slab #2-3 (collected @3' bgs)	10/4/2018	<0.022	<0.044	<0.044	<0.088	<0.088	<4.4	<10	<50	<50	<30
S. Trench Sec. 2 Under Slab # 1-4 (collected @4' bgs)	10/4/2018	<0.021	<0.041	<0.041	<0.082	<0.082	<4.1	<9.7	<48	<48	<30
NMOCD Remediation Action Levels		10	NE	NE	NE	50	NE	NE	NE	100	600

Notes:

BTEX - benzene, toluene, ethylbenzene, and total xylenes

bgs - below ground surface

mg/kg - milligrams per kilogram

NE - not established

NMOCD - New Mexico Oil Conservation Division

TPH - total petroleum hydrocarbons

Bold - indicates result exceeds NMOCD remediation action level

< - indicates result is below laboratory reporting limits

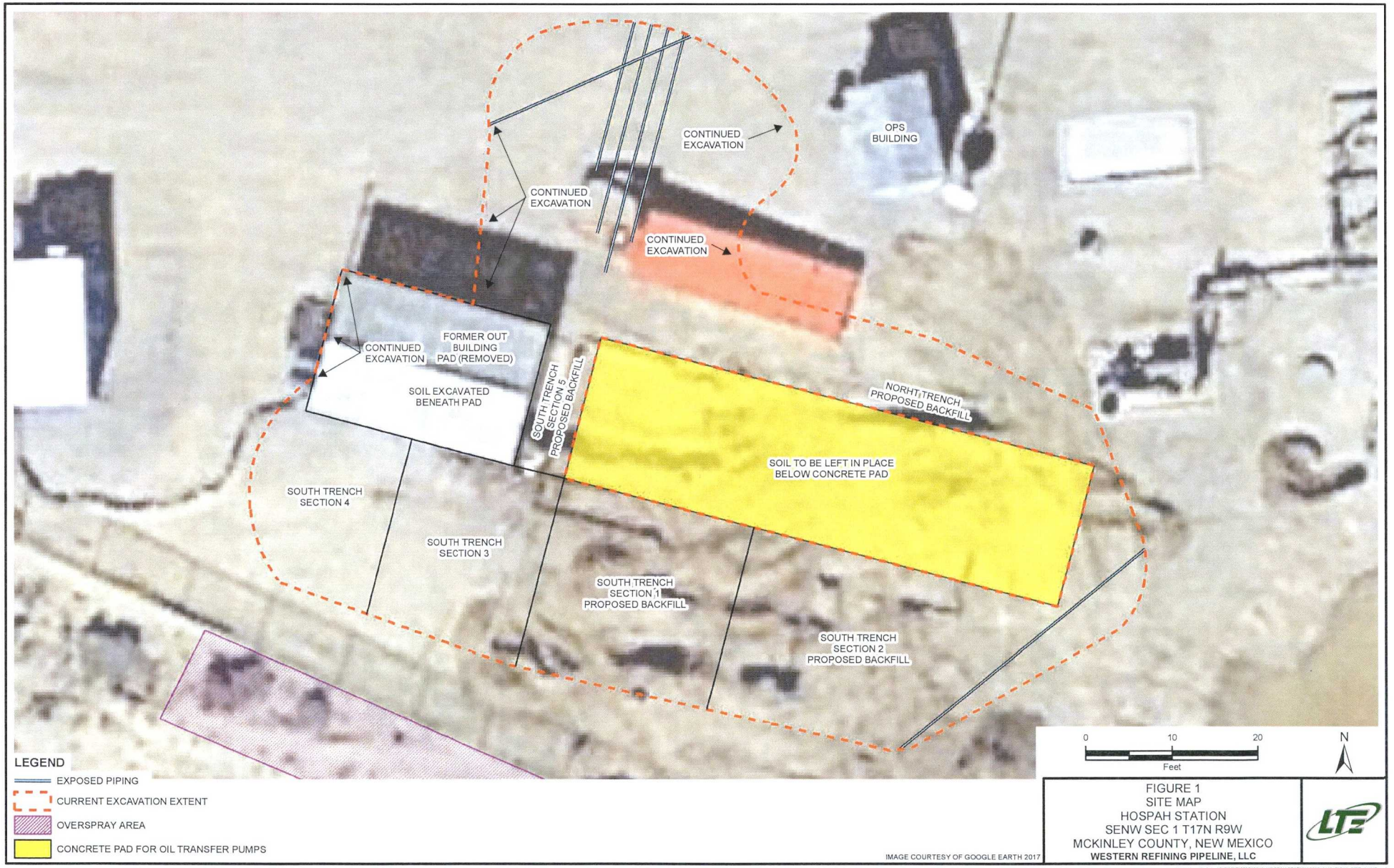

IMAGE COURTESY OF GOOGLE EARTH 2017

FIGURE 1
SITE MAP
HOSPAH STATION
SENW SEC 1 T17N R9W
MCKINLEY COUNTY, NEW MEXICO
WESTERN REFINING PIPELINE, LLC

P:\Western Refining\GIS\MXD\02518019_HOSPAH STATION\02518019_FIG01_SITE_11X17.mxd


HITACHI
ZAXIS
250LC

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Analytical Report

Report Summary

Client: Western Refining Wholesale

Chain Of Custody Number:

Samples Received: 9/13/2018 4:58:00PM

Job Number: 07232-0026

Work Order: P809027

Project Name/Location: Hospah

Report Reviewed By: _____ Date: 9/18/18

Walter Hinchman, Laboratory Director

_____ Date: 9/18/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

ATTACHMENT 1: LABORATORY ANALYTICAL REPORTS

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S. Trench Sec. 1 Bottom	P809027-01A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Bottom	P809027-02A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 1 Wall	P809027-03A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Wall	P809027-04A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 1 Under Slab	P809027-05A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Under Slab	P809027-06A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Under Slab Grab	P809027-07A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 1 Under Slab Grab	P809027-08A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 3 Bottom	P809027-09A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 4 Bottom	P809027-10A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 3 Wall	P809027-11A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 4 Wall	P809027-12A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 3-4 Under Slab	P809027-13A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 3-4 Under Slab Grab	P809027-14A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 5 E. Wall	P809027-15A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 5 W. Wall	P809027-16A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 5 Bottom	P809027-17A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 5 E. Wall Grab	P809027-18A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.
S. Trench Sec. 5 W. Wall Grab	P809027-19A	Soil	09/13/18	09/13/18	Glass Jar, 4 oz.

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 1 Bottom
P809027-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**30.5**	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*109 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 2 Bottom

P809027-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*107 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 1 Wall
P809027-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*110 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 2 Wall
P809027-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/17/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/17/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*118 %*		*50-200*	*1837034*	*09/14/18*	*09/17/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 1 Under Slab

P809027-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 2 Under Slab

P809027-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*		*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*50-150*		*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*109 %*	*50-200*		*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/14/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 2 Under Slab Grab

P809027-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	**4720**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
Toluene	**40900**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
Ethylbenzene	**17100**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
p,m-Xylene	**76300**	2000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
o-Xylene	**29600**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
Total Xylenes	**106000**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
Total BTEX	**169000**	1000	ug/kg	10	1837029	09/14/18	09/14/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**1010**	200	mg/kg	10	1837029	09/14/18	09/14/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**47400**	500	mg/kg	20	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**7610**	1000	mg/kg	20	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Surrogate: n-Nonane		*1010 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	*Surr2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 1 Under Slab Grab

P809027-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*110 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 3 Bottom
P809027-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**76.3**	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*110 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 4 Bottom
P809027-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*106 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 3 Wall
P809027-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**40.1**	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*110 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 4 Wall
P809027-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*108 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 3-4 Under Slab

P809027-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*		*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**52.4**	25.0	mg/kg	1	1837034	09/14/18	09/17/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/17/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*50-150*		*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*	*50-200*		*1837034*	*09/14/18*	*09/17/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 3-4 Under Slab Grab

P809027-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	**6520**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	**56200**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	**26200**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	**116000**	2000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	**40100**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	**156000**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	**245000**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**1720**	200	mg/kg	10	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**60000**	1250	mg/kg	50	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**6130**	2500	mg/kg	50	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*1590 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	*Surr2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 5 E. Wall
P809027-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/14/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*105 %*		*50-200*	*1837034*	*09/14/18*	*09/14/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 5 W. Wall

P809027-16 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**190**	25.0	mg/kg	1	1837034	09/14/18	09/15/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**199**	50.0	mg/kg	1	1837034	09/14/18	09/15/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*124 %*		*50-200*	*1837034*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 5 Bottom
P809027-17 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1837034	09/14/18	09/15/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1837034	09/14/18	09/15/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*111 %*		*50-200*	*1837034*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 5 E. Wall Grab

P809027-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	**166**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	**3560**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	**2700**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	**12800**	200	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	**4830**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	**17600**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	**24000**	100	ug/kg	1	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**207**	20.0	mg/kg	1	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**5260**	125	mg/kg	5	1837034	09/14/18	09/15/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**786**	250	mg/kg	5	1837034	09/14/18	09/15/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*220 %*		*50-200*	*1837034*	*09/14/18*	*09/15/18*	*EPA 8015D*	*Surr2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

S. Trench Sec. 5 W. Wall Grab

P809027-19 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	**1730**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Toluene	**28200**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Ethylbenzene	**14900**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
p,m-Xylene	**68600**	2000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
o-Xylene	**26400**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Total Xylenes	**95100**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Total BTEX	**140000**	1000	ug/kg	10	1837029	09/14/18	09/15/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**853**	200	mg/kg	10	1837029	09/14/18	09/15/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**20000**	500	mg/kg	20	1837034	09/14/18	09/15/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**2630**	1000	mg/kg	20	1837034	09/14/18	09/15/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*		*50-150*	*1837029*	*09/14/18*	*09/15/18*	*EPA 8015D*	
Surrogate: n-Nonane		*752 %*		*50-200*	*1837034*	*09/14/18*	*09/15/18*	*EPA 8015D*	*Surr2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1837033	09/14/18	09/15/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1837029 - Purge and Trap EPA 5030A										
Blank (1837029-BLK1)				Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	*7860*		"	*8000*		*98.2*	*50-150*			
LCS (1837029-BS1)				Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Benzene	4110	100	ug/kg	5000		82.2	70-130			
Toluene	4230	100	"	5000		84.5	70-130			
Ethylbenzene	4310	100	"	5000		86.1	70-130			
p,m-Xylene	8890	200	"	10000		88.9	70-130			
o-Xylene	4350	100	"	5000		87.0	70-130			
Total Xylenes	13200	100	"	15000		88.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7830*		"	*8000*		*97.8*	*50-150*			
Matrix Spike (1837029-MS1)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Benzene	4970	100	ug/kg	5000	ND	99.4	54.3-133			
Toluene	5090	100	"	5000	ND	102	61.4-130			
Ethylbenzene	5170	100	"	5000	ND	103	61.4-133			
p,m-Xylene	10600	200	"	10000	ND	106	63.3-131			
o-Xylene	5130	100	"	5000	ND	103	63.3-131			
Total Xylenes	15800	100	"	15000	ND	105	63.3-131			
Matrix Spike Dup (1837029-MSD1)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Benzene	4690	100	ug/kg	5000	ND	93.8	54.3-133	5.77	20	
Toluene	4810	100	"	5000	ND	96.3	61.4-130	5.49	20	
Ethylbenzene	4910	100	"	5000	ND	98.3	61.4-133	5.16	20	
p,m-Xylene	10100	200	"	10000	ND	101	63.3-131	5.02	20	
o-Xylene	4900	100	"	5000	ND	98.1	63.3-131	4.47	20	
Total Xylenes	15000	100	"	15000	ND	100	63.3-131	4.84	20	
Surrogate: 4-Bromochlorobenzene-PID	*8010*		"	*8000*		*100*	*50-150*			

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1837029 - Purge and Trap EPA 5030A										
Blank (1837029-BLK1)				Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		"	*8.00*		*94.2*	*50-150*			
LCS (1837029-BS2)				Prepared: 09/14/18 0 Analyzed: 09/14/18 1						
Gasoline Range Organics (C6-C10)	47.9	20.0	mg/kg	50.0		95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		"	*8.00*		*96.0*	*50-150*			
Matrix Spike (1837029-MS2)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Gasoline Range Organics (C6-C10)	31.8	20.0	mg/kg	50.0	ND	63.7	70-130			D1, SPK1
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		"	*8.00*		*98.5*	*50-150*			
Matrix Spike Dup (1837029-MSD2)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Gasoline Range Organics (C6-C10)	47.0	20.0	mg/kg	50.0	ND	93.9	70-130	38.4	20	D1
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		"	*8.00*		*98.3*	*50-150*			

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1837034 - DRO Extraction EPA 3570										
Blank (1837034-BLK1)				Prepared & Analyzed: 09/14/18 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	*59.8*		*"*	*50.0*		*120*	*50-200*			
LCS (1837034-BS1)				Prepared & Analyzed: 09/14/18 1						
Diesel Range Organics (C10-C28)	464	25.0	mg/kg	500		92.7	38-132			
Surrogate: n-Nonane	*57.0*		*"*	*50.0*		*114*	*50-200*			
Matrix Spike (1837034-MS1)	**Source: P809027-01**			Prepared & Analyzed: 09/14/18 1						
Diesel Range Organics (C10-C28)	551	25.0	mg/kg	500	30.5	104	38-132			
Surrogate: n-Nonane	*59.0*		*"*	*50.0*		*118*	*50-200*			
Matrix Spike Dup (1837034-MSD1)	**Source: P809027-01**			Prepared & Analyzed: 09/14/18 1						
Diesel Range Organics (C10-C28)	560	25.0	mg/kg	500	30.5	106	38-132	1.52	20	
Surrogate: n-Nonane	*56.7*		*"*	*50.0*		*113*	*50-200*			

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1837033 - Anion Extraction EPA 300.0/9056A										
Blank (1837033-BLK1)				Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Chloride	ND	20.0	mg/kg							
LCS (1837033-BS1)				Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1837033-MS1)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Chloride	257	20.0	mg/kg	250	ND	103	80-120			
Matrix Spike Dup (1837033-MSD1)		**Source: P809027-01**		Prepared: 09/14/18 0 Analyzed: 09/14/18 2						
Chloride	258	20.0	mg/kg	250	ND	103	80-120	0.124	20	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/18/18 12:01

Notes and Definitions

Surr2	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SPK1	The spike recovery is outside of quality control limits.
D1	Duplicates or Matrix Spike Duplicates or Laboratory Control Sample Duplicates Relative Percent Difference is outside of control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 2

Page 27 of 28

Client:	Western Wholesale
Project:	Hospah
Project Manager:	Felipe
Address:	
City, State, Zip	
Phone:	
Email:	Esaac / Felipe

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only: Lab WO# P809027 | Job Number 07852-0026

TAT: 1D X | 3D

EPA Program: RCRA X | CWA | SDWA

State: NM X | CO | UT | AZ

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
9:56	9/13/18	S	1	S. Trench Sec. 1 Bottom	1	X	X	X			X		
10:01				S. Trench Sec. 2 Bottom	2								
10:04				S. Trench Sec 1 wall	3								
10:08				S. Trench Sec. 2 Wall	4								
10:13				S. Trench Sec. 1 under slab	5								
10:15				S. Trench Sec. 2. under slab	6								
10:18				S. Trench Sec 2 under slab Grab	7								
10:22				S. Trench Sec 1 under Slab Grab	8								
10:28				S. Trench Sec. 3 Bottom	9								
10:32				S. Trench Sec. 4. Bottom	10								

Additional Instructions: Vis ice in cooler -Hg

Chlorides standard Turn around

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Esaac Gaicia

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/13/18	16:56	Irene Zamora	09-13-18	16:58
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above boratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

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Client:	Western Wholesale
Project:	Haspah
Project Manager:	Felipe
Address:	
City, State, Zip	
Phone:	
Email:	Cesare / Felipe

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number	TAT 1D	TAT 3D	EPA Program RCRA	EPA Program CWA	EPA Program SDWA
P809027	07232-0026	X		X		

State: NM X | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
10:36	9/13/18	S	1	S. Trench Sec. 3 Wall	11	X	X	X			X		
10:40				S. Trench Sec 4 Wall	12								
10:47				S. Trench Sec 3-4 Under Slab	13								
10:57				S. Trench Sec 3-4 Under Slab Grab	14								
11:04				S. Trench Sec 5 E. Wall	15								
11:08				S. Trench Sec. 5 W. Wall	16								
11:11				S. Trench Sec 5 Bottom	17								
11:54				S. Trench Sec 5 E. Wall Grab	18								
11:57				S. Trench Sec 5. W. Wall Grab	19								

Additional Instructions: √is ice in cooler -Hy Chlorides standard Turn around

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Cesare Gomez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/13/18	16:56		9-13-18	16:58
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
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envirotech-inc.com
laboratory@envirotech-inc.com

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Analytical Laboratory

Analytical Report

Report Summary

Client: Western Refining Wholesale
Chain Of Custody Number:
Samples Received: 9/21/2018 9:13:00AM
Job Number: 07232-0026
Work Order: P809046
Project Name/Location: Hospah

Report Reviewed By: _____ Date: 9/24/18

Walter Hinchman, Laboratory Director

_____ Date: 9/24/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S. Trench Sec. 1 Under Slab Grab @ 4'	P809046-01A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 1 Under Slab #1	P809046-02A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 1 Under Slab #2	P809046-03A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Under Slab #1	P809046-04A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 2 Under Slab #2	P809046-05A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 5 W. Wall	P809046-06A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 3-4 Under Slab #1	P809046-07A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 3-4 Under Slab #2	P809046-08A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
S. Trench Sec. 3-4 Under Slab #3	P809046-09A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Under Slab Composite	P809046-10A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Bottom	P809046-11A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Under Slab #1	P809046-12A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Under Slab #2	P809046-13A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Under Slab #3	P809046-14A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.
N. Trench Under Slab #4	P809046-15A	Soil	09/20/18	09/21/18	Glass Jar, 4 oz.

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 1 Under Slab Grab @ 4'

P809046-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*110 %*		*50-200*	*1838021*	*09/21/18*	*09/21/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 1 Under Slab #1

P809046-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*107 %*		*50-200*	*1838021*	*09/21/18*	*09/21/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 1 Under Slab #2

P809046-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*109 %*		*50-200*	*1838021*	*09/21/18*	*09/21/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 2 Under Slab #1

P809046-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**422**	25.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**350**	50.0	mg/kg	1	1838021	09/21/18	09/21/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*126 %*		*50-200*	*1838021*	*09/21/18*	*09/21/18*	*EPA 8015D*	*CV2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 2 Under Slab #2

P809046-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**157**	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**187**	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*128 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 5 W. Wall
P809046-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**309**	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**296**	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*129 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 3-4 Under Slab #1

P809046-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 3-4 Under Slab #2

P809046-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*109 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

S. Trench Sec. 3-4 Under Slab #3

P809046-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	**789**	125	mg/kg	5	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	**804**	250	mg/kg	5	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*127 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV2*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Under Slab Composite

P809046-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*115 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Bottom
P809046-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*111 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Under Slab #1

P809046-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

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Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Under Slab #2
P809046-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*113 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Under Slab #3

P809046-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*113 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

N. Trench Under Slab #4

P809046-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1838020	09/21/18	09/22/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1838020	09/21/18	09/22/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1838021	09/21/18	09/22/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*		*50-150*	*1838020*	*09/21/18*	*09/22/18*	*EPA 8015D*	
Surrogate: n-Nonane		*124 %*		*50-200*	*1838021*	*09/21/18*	*09/22/18*	*EPA 8015D*	*CV4*
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1838022	09/21/18	09/21/18	EPA 300.0/9056A	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1838020 - Purge and Trap EPA 5030A										
Blank (1838020-BLK1)				Prepared: 09/21/18 0 Analyzed: 09/21/18 1						
Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	*8090*		"	*8000*		*101*	*50-150*			
LCS (1838020-BS1)				Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Benzene	4790	100	ug/kg	5000		95.7	70-130			
Toluene	4950	100	"	5000		99.0	70-130			
Ethylbenzene	5050	100	"	5000		101	70-130			
p,m-Xylene	10400	200	"	10000		104	70-130			
o-Xylene	5000	100	"	5000		99.9	70-130			
Total Xylenes	15400	100	"	15000		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8100*		"	*8000*		*101*	*50-150*			
Matrix Spike (1838020-MS1)		**Source: P809045-01**		Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Benzene	4760	100	ug/kg	5000	ND	95.2	54.3-133			
Toluene	4970	100	"	5000	ND	99.3	61.4-130			
Ethylbenzene	5090	100	"	5000	ND	102	61.4-133			
p,m-Xylene	10400	200	"	10000	ND	104	63.3-131			
o-Xylene	5040	100	"	5000	ND	101	63.3-131			
Total Xylenes	15500	100	"	15000	ND	103	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*8070*		"	*8000*		*101*	*50-150*			
Matrix Spike Dup (1838020-MSD1)		**Source: P809045-01**		Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Benzene	4790	100	ug/kg	5000	ND	95.8	54.3-133	0.672	20	
Toluene	5000	100	"	5000	ND	99.9	61.4-130	0.615	20	
Ethylbenzene	5120	100	"	5000	ND	102	61.4-133	0.658	20	
p,m-Xylene	10500	200	"	10000	ND	105	63.3-131	0.614	20	
o-Xylene	5080	100	"	5000	ND	102	63.3-131	0.784	20	
Total Xylenes	15600	100	"	15000	ND	104	63.3-131	0.669	20	
Surrogate: 4-Bromochlorobenzene-PID	*8150*		"	*8000*		*102*	*50-150*			

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1838020 - Purge and Trap EPA 5030A										
Blank (1838020-BLK1)				Prepared: 09/21/18 0 Analyzed: 09/21/18 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		"	*8.00*		*97.5*	*50-150*			
LCS (1838020-BS2)				Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Gasoline Range Organics (C6-C10)	49.7	20.0	mg/kg	50.0		99.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		"	*8.00*		*98.3*	*50-150*			
Matrix Spike (1838020-MS2)		**Source: P809045-01**		Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Gasoline Range Organics (C6-C10)	50.0	20.0	mg/kg	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		"	*8.00*		*98.0*	*50-150*			
Matrix Spike Dup (1838020-MSD2)		**Source: P809045-01**		Prepared: 09/21/18 0 Analyzed: 09/21/18 2						
Gasoline Range Organics (C6-C10)	49.6	20.0	mg/kg	50.0	ND	99.1	70-130	0.847	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		"	*8.00*		*98.3*	*50-150*			

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1838021 - DRO Extraction EPA 3570										
Blank (1838021-BLK1)				Prepared & Analyzed: 09/21/18 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	*55.5*		*"*	*50.0*		*111*	*50-200*			*CV4*
LCS (1838021-BS1)				Prepared & Analyzed: 09/21/18 1						
Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500		88.8	38-132			
Surrogate: n-Nonane	*56.2*		*"*	*50.0*		*112*	*50-200*			*CV2*
Matrix Spike (1838021-MS1)	**Source: P809045-01**			Prepared & Analyzed: 09/21/18 1						
Diesel Range Organics (C10-C28)	448	25.0	mg/kg	500	ND	89.5	38-132			
Surrogate: n-Nonane	*56.7*		*"*	*50.0*		*113*	*50-200*			*CV2*
Matrix Spike Dup (1838021-MSD1)	**Source: P809045-01**			Prepared & Analyzed: 09/21/18 1						
Diesel Range Organics (C10-C28)	440	25.0	mg/kg	500	ND	88.0	38-132	1.69	20	
Surrogate: n-Nonane	*57.6*		*"*	*50.0*		*115*	*50-200*			*CV2*

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Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1838022 - Anion Extraction EPA 300.0/9056A										
Blank (1838022-BLK1)				Prepared & Analyzed: 09/21/18 1						
Chloride	ND	20.0	mg/kg							
LCS (1838022-BS1)				Prepared & Analyzed: 09/21/18 1						
Chloride	258	20.0	mg/kg	250		103	90-110			
Matrix Spike (1838022-MS1)		**Source: P809046-01**		Prepared & Analyzed: 09/21/18 1						
Chloride	259	20.0	mg/kg	250	ND	103	80-120			
Matrix Spike Dup (1838022-MSD1)		**Source: P809046-01**		Prepared & Analyzed: 09/21/18 1						
Chloride	261	20.0	mg/kg	250	ND	104	80-120	0.942	20	

Western Refining Wholesale	Project Name:	Hospah	
PO Box 62558	Project Number:	07232-0026	**Reported:**
Phoenix AZ, 85082	Project Manager:	Felipe Aragon	09/24/18 15:38

Notes and Definitions

CV4	CV recovery was above quality control limits. This target analyte was not detected in the sample.
CV2	CV recovery was above quality control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 2

Page 23 of 24

Client:	Western Wholesale
Project:	Haspah
Project Manager:	Felipe
Address:	
City, State, Zip	
Phone:	
Email:	Isaac / Felipe

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
P809046	07232-0026

TAT: 1D X | 3D

EPA Program: RCRA X | CWA | SDWA

State: NM X | CO | UT | AZ

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
10:01	9/20/18	S	1	S. Trench Sec. 1 Under Slab grab @ 4'	1	X	X	X			X		
10:24				S. Trench Sec. 1 Under Slab #1	2								
10:37				S. Trench Sec 1 Under Slab #2	3								
10:46				S. Trench Sec. 2 Under Slab #1	4								
10:59				S. Trench Sec. 2 Under Slab #2	5								
11:05				S. Trench Sec. 5 W. Wall	6								3-day Rush
11:14				S. Trench Sec. 3-4 Under Slab #1	7								
11:19				S. Trench Sec. 3-4 Under Slab #2	8								
11:44				S. Trench Sec. 3-4 Under Slab #3	9								
11:54				N. Trench Under Slab Composite	10								3-day Rush

Additional Instructions: vis. ice in cooler - MJ

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Isaac Garcia

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/21/18	9:08		9-21-18	9:13
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 | T2 | T3

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 | Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 | Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

Page 24 of 24

Client:	Western Wholesale
Project:	Haspah
Project Manager:	Felipe
Address:	
City, State, Zip	
Phone:	
Email:	Isaac / Felipe

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only: Lab WO# P809046 | Job Number 07032-0026

TAT: 1D X | 3D | RCRA X | CWA | SDW

EPA Program

State: NM X | CO | UT | A

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TPH 418.1

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
11:59	9/20/18	S	1	N. Trench Bottom	11	X	X	X			X		3-day Rush
12:08				N. Trench Under Slab #1	12								
12:16				N. Trench Under Slab #2	13								
12:24				N. Trench Under Slab #3	14								
12:32				N. Trench Under Slab #4	15								

Additional Instructions: vis. ice in cooler - my

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Isaac Garcia

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/21/18	9:08		09-21-18	9:13
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above boratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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envirotech-inc.com
laboratory@envirotech-inc.com

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 08, 2018

Matt Krakow
Western Refining Southwest, Inc.
#50 CR 4990
Bloomfield, NM 87413
TEL: (505) 632-4135
FAX (505) 632-3911

RE: Hospah OrderNo.: 1810332

Dear Matt Krakow:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/5/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Inc.
Project: Hospah
Lab ID: 1810332-001 **Matrix:** SOIL

Client Sample ID: S Trench Sec 2 under slab #2-3
Collection Date: 10/4/2018 10:49:00 AM
Received Date: 10/5/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	30		mg/Kg	20	10/5/2018 10:09:38 AM	40831
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/5/2018 12:02:51 PM	40834
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2018 12:02:51 PM	40834
Surr: DNOP	129	50.6-138		%Rec	1	10/5/2018 12:02:51 PM	40834
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	10/5/2018 9:40:49 AM	40815
Surr: BFB	97.8	15-316		%Rec	1	10/5/2018 9:40:49 AM	40815
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	10/5/2018 9:40:49 AM	40815
Toluene	ND	0.044		mg/Kg	1	10/5/2018 9:40:49 AM	40815
Ethylbenzene	ND	0.044		mg/Kg	1	10/5/2018 9:40:49 AM	40815
Xylenes, Total	ND	0.088		mg/Kg	1	10/5/2018 9:40:49 AM	40815
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	10/5/2018 9:40:49 AM	40815

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Inc.
Project: Hospah
Lab ID: 1810332-002 **Matrix:** SOIL

Client Sample ID: S Trench Sec 2 under slab #1-4
Collection Date: 10/4/2018 11:48:00 AM
Received Date: 10/5/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	30		mg/Kg	20	10/5/2018 10:22:02 AM	40831
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2018 12:24:41 PM	40834
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2018 12:24:41 PM	40834
Surr: DNOP	132	50.6-138		%Rec	1	10/5/2018 12:24:41 PM	40834
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	10/5/2018 10:04:28 AM	40815
Surr: BFB	96.4	15-316		%Rec	1	10/5/2018 10:04:28 AM	40815
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.021		mg/Kg	1	10/5/2018 10:04:28 AM	40815
Toluene	ND	0.041		mg/Kg	1	10/5/2018 10:04:28 AM	40815
Ethylbenzene	ND	0.041		mg/Kg	1	10/5/2018 10:04:28 AM	40815
Xylenes, Total	ND	0.082		mg/Kg	1	10/5/2018 10:04:28 AM	40815
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	10/5/2018 10:04:28 AM	40815

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810332**

08-Oct-18

Client: Western Refining Southwest, Inc.

Project: Hospah

Sample ID	**MB-40831**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**40831**	RunNo:	**54680**					
Prep Date:	**10/5/2018**	Analysis Date:	**10/5/2018**	SeqNo:	**1815578**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-40831**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**40831**	RunNo:	**54680**					
Prep Date:	**10/5/2018**	Analysis Date:	**10/5/2018**	SeqNo:	**1815579**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.3	90	110			

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810332**

08-Oct-18

Client: Western Refining Southwest, Inc.

Project: Hospah

Sample ID **LCS-40834**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **40834**	RunNo: **54672**
Prep Date: **10/5/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814135** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	70	130			
Surr: DNOP	5.4		5.000		109	50.6	138			

Sample ID **MB-40834**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **40834**	RunNo: **54672**
Prep Date: **10/5/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814136** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		122	50.6	138			

Sample ID **1810332-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S Trench Sec 2 und**	Batch ID: **40834**	RunNo: **54672**
Prep Date: **10/5/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814327** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.7	48.69	3.387	94.6	53.5	126			
Surr: DNOP	6.3		4.869		129	50.6	138			

Sample ID **1810332-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S Trench Sec 2 und**	Batch ID: **40834**	RunNo: **54672**
Prep Date: **10/5/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814328** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.8	48.88	3.387	98.1	53.5	126	3.71	21.7	
Surr: DNOP	5.9		4.888		121	50.6	138	0	0	

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810332**

08-Oct-18

Client: Western Refining Southwest, Inc.

Project: Hospah

Sample ID **MB-40815**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **40815**	RunNo: **54661**
Prep Date: **10/4/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814997** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	15	316			

Sample ID **LCS-40815**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **40815**	RunNo: **54661**
Prep Date: **10/4/2018**	Analysis Date: **10/5/2018**	SeqNo: **1814998** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.9	75.9	131			
Surr: BFB	1100		1000		111	15	316			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810332**

08-Oct-18

Client: Western Refining Southwest, Inc.

Project: Hospah

Sample ID **MB-40815**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **40815**	RunNo: **54661**
Prep Date: **10/4/2018**	Analysis Date: **10/5/2018**	SeqNo: **1815006** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	80	120			

Sample ID **LCS-40815**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **40815**	RunNo: **54661**
Prep Date: **10/4/2018**	Analysis Date: **10/5/2018**	SeqNo: **1815007** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.0	77.3	128			
Toluene	0.91	0.050	1.000	0	90.7	79.2	125			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80.7	127			
Xylenes, Total	2.7	0.10	3.000	0	90.0	81.6	129			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	80	120			

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Western Refining Southw** Work Order Number: **1810332** RcptNo: **1**

Received By: **Anne Thorne** **10/5/2018 7:50:00 AM** Anne Thorne

Completed By: **Anne Thorne** **10/5/2018 7:57:30 AM** Anne Thorne

Reviewed By: JAB 10/05/18

Labeled by: AT 10/05/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

Client: Western Refining

Mailing Address: 111 CR4990
Bloomfield, NM 87413

Phone #: 505-632-4169

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 1 day

Project Name:
Hospah

Project #:
PO-12623008

Project Manager:
Matt Krakow

Sampler: Isaac Garcia
On Ice: ☒ Yes ☐ No
Sample Temperature: 4

HALL ENV
ANALYSI
www.hallenviron
4901 Hawkins NE - Albuqu
Tel. 505-345-3975 Fax

Date	Time	Matrix	Sample Request ID	Container Type and # (AT 10/05/17 meoH)	Preservative Type	HEAL No. 1810332	BTEX + ~~MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)
10-4-18	10:49	Soil	S. Trench Sec. 2 Underslab #2-3	1-4oz Jar	Cold	001	X		X					
10-4-18	11:48	Soil	S. Trench Sec. 2 Under Slab #1-4	1-4oz Jar	Cold	002	X		X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
10-4-18	1529			10/4/18	1529
10/4/18	1740			10/05/18	0750

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clear