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 Page 1 of 57

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

Incident ID	nAPP2103643602
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Harvest Midstream Company	OGRID 373888
Contact Name Monica Smith	Contact Telephone 505-632-4625
Contact emailmsmith@harvestmidstream.comIncident # (assigned by OCD)nAPP2103643602	
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	

Location of Release Source

Latitude 36.50544

Longitude ______.107.12019

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Trunk E Facility	Site Type Compressor Station
Date Release Discovered 12/9/2020 - 1 pm	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	11	26N	3W	Rio Arriba

Surface Owner: State Federal X Tribal Private (Name):

Jicarilla

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water Volume Released (bbls) about 30 V		Volume Recovered (bbls) about 30
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes X No
X Condensate	Volume Released (bbls) about 92	Volume Recovered (bbls) about 92
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A gasket failed on one of the valves allowing the 122 bbls of liquid to leak into the containment. The leak has been repaired.

Received by OCD: 3/23/2021 8:22:14 AM

Form C-141	State of New Mexico		
10111 C-141		Incident ID	nAPP2103643602
Page 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? NMAC 19.15.29.7(A1): an unauthorized release of liquids exceeding 25 bbls	
🗙 Yes 🗋 No		
If YES, was immediate	notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	
Notice provided via electronic mail by Kijun Hong to Cory Smith and Jim Griswold of NMOCD on Dec. 10, 2020 10:33 AM		

Initial Response

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

 \mathbf{X} The source of the release has been stopped.

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

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

X 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: Kijun Hong Signature:

email: khong@harvestmidstream.com

Title: Environmental Specialist

Date: 2/8/202

Telephone: 505-632-4475

OCD Only

Received by: _

Date: _____

Form C-141	State of New Mexico	Incident ID	nAPP2103643602
Page 3	Oil Conservation Division	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.

		é .
What is the shallowest depth to groundwater beneath the area affected by the release?	50 to 100 (ft bgs)	
Did this release impact groundwater or surface water?	🗌 Yes 🗶 No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔀 No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🕅 No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🕅 No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗋 Yes 🗶 No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	TYes X 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?	TYes 🕅 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.

X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

X Field data

X 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

X Topographic/Aerial maps

X Laboratory data including chain of custody

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

Received by OCD: 3/23/2021 8:22:14 AM

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Form C-141	State of New Mexico	Incident ID	nAPP2103643602
Page 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
regulations all operators are public health or the environ failed to adequately investi	Date:	and perform corrective actions for rel s not relieve the operator of liability sl undwater, surface water, human healt	eases which may endanger nould their operations have n or the environment. In
OCD Only Received by:		Date:	

Received by OCD: 3/23/2021 8:22:14 AM

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	nAPP2103643602
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

X Laboratory analyses of fiual sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

X Description of remediation activities

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

Printed Name: Kijun Hong	Title: Environmental Specialist			
Signature:	Date: 3/18/2021			
Email: khong@harvestmidstream.com	Telephone: 505-632-4475			
	······································			
OCD Only				
Received by:	Date:			
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment uor does not relieve the responsible party of compliance with auy other federal, state, or local laws and/or regulations.				
Closure Approved by:	Date:05/02/2022			
Closure Approved by: <u>Nelson Velez</u> Printed Name: <u>Nelson Velez</u>	Title: Environmental Specialist – Adv			



March 9, 2021

Cory Smith Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos Aztec, New Mexico 87410 *Email: <u>Cory.Smith@state.nm.us</u>*

RE: CLOSURE REPORT Trunk E Release NMOCD Incident No. NAPP2103643602 Harvest Release Report No. RRS201209A NW¼ NW¼, Section 11, T26N, R3W Rio Arriba County, New Mexico

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed an excavation clearance at the Trunk E release location in December 2020. The release consisted of approximately 30 barrels (bbls) of produced water and 92 bbls of condensate and was discovered on December 9, 2020. It is classified as a major release because it was an unauthorized release of liquids exceeding 25 bbls. The leak was repaired and Harvest collected soil samples to confirm all impacted soils were removed.

1.0 Site Information

1.1 Location

Site Name – Trunk E Facility Legal Description – NW¼ NW¼, Section 11, T26N, R3W, Rio Arriba County, New Mexico Release Latitude/Longitude – N36.50544, W107.12019 Land Jurisdiction – Jicarilla Apache Nation Figure 1. Topographic Site Location Map Figure 2. Aerial Site Location Map

1.2 Release Information

On December 9, 2020, personnel discovered approximately 12 inches of liquids within the containment. The produced water (30

624 E Comanche St. Farmington, NM 87401 505-564-2281 animasenvironmental.com bbls) and condensate (92 bbls) were removed. The cause was a failed gasket which was then fixed. Due to the quantity of liquids released, the release was classified as "major."

2.0 Site Ranking

The Trunk E Facility is located on Jicarilla Apache Nation lands, and soil remediation action levels are determined by the Jicarilla Apache Nation Oil and Gas Administration (JANOGA). JANOGA action levels for soil currently follow the New Mexico Oil Conservation Division (NMOCD) action levels as listed at NMAC 19.15.29.12 Table I (August 2018), except all locations within Jicarilla Apache Nation lands have release closure criteria that are based on a minimum depth to groundwater of less than 50 ft bgs at the release area.

JANOGA/NMOCD Action levels are:

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO);
- 600 mg/kg chloride.

3.0 Confirmation Soil Sampling

Multiple pinhole leaks and a tear were observed in the liner upon inspection, therefore Harvest proceeded with delineation and remediation in coordination with JANOGA and NMOCD. Project correspondence is attached. Soil confirmation samples were initially collected by Harvest when weather conditions allowed on January 12, 2021, with the collection of 5-point composite samples including two from each side wall and one composite sample from the base. Final composite samples were collected by Harvest on February 11, 2021, after additional soils were removed from the excavation. Sample locations are presented on Figure 3. The final excavation measured approximately 40 ft by 50 ft by 5 to 10 ft deep and included approximately 1,447 cubic yards of overburden and contaminated soil.

3.1 Field Data

Organic Vapor Meter (OVM) volatile organic compound (VOC) readings ranged from 239 ppm to 2,506 ppm. Clearance of soil samples was achieved through laboratory analysis. Field notes are attached.

3.2 Laboratory Analyses

The samples collected for laboratory analysis were placed into new, clean, laboratorysupplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All samples were laboratory analyzed for:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH as GRO, DRO, MRO per USEPA Method 8015M/D; and
- Chlorides per USEPA Method 300.0.

3.3 Laboratory Analytical Results

All laboratory analytical results indicated benzene and chlorides in all samples were below applicable action levels. In contrast, total BTEX results exceeded the action level of 50 mg/kg in the base composite sample (64.4 mg/kg), and TPH (as GRO, DRO, and MRO) results exceeded the action level of 100 mg/kg in the north wall eastern sample (109.8 mg/kg) and the composite base (1,680 mg/kg). After further excavation, samples were below benzene and chloride action levels in all samples. In contrast, the excavation base total BTEX (151.9 mg/kg) and TPH (2,930 mg/kg) levels continued to exceed applicable action levels. Laboratory results are on Figure 3. The laboratory analytical reports are attached.

The excavation base was sprayed with potassium permanganate at the direction of KC Manuel of the Jicarilla Environmental Project Office (EPO). Mr. Manuel provided verbal approval to Morgan Killion of Harvest to backfill the excavation on February 13, 2021. Correspondence documentation is attached.

4.0 Conclusions

Harvest completed an excavation clearance of petroleum hydrocarbon impacted soils at the Trunk E Facility in January and February 2021 resulting from a release reported on December 9, 2020. Laboratory analytical results reported benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations as *below* applicable JANOGA/NMOCD action levels in all samples except total BTEX and TPH at the excavation base. Potassium permanganate was applied to the base and approval was given by KC Manuel of the Jicarilla EPO to backfill the excavation. No further action is recommended at this time.

If you have any questions about this report or site conditions, please do not hesitate to contact Elizabeth McNally at (505) 564-2281.

Trunk E Release Excavation Clearance Report March 9, 2021 Page 4 of 4

Sincerely,

David g Reve

David J. Reese Environmental Scientist

Ulipobith V Mervely

Elizabeth McNally, P.E.

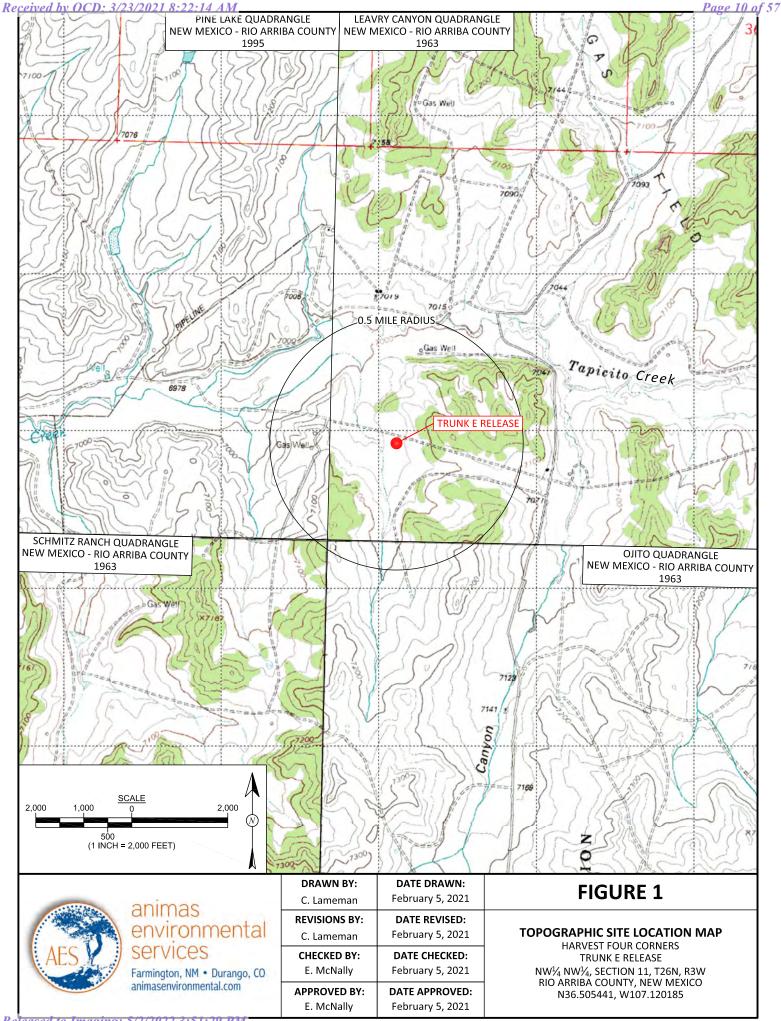
Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Location Map Figure 3. Excavation Area and Soil Sample Locations Photograph Log Field Notes Hall Analytical Reports 2101453 and 2102649 Backfill Approval Correspondence Notifications—December 10, 2020 to February 11, 2021 NMOCD Site Assessment/Characterization Ranking

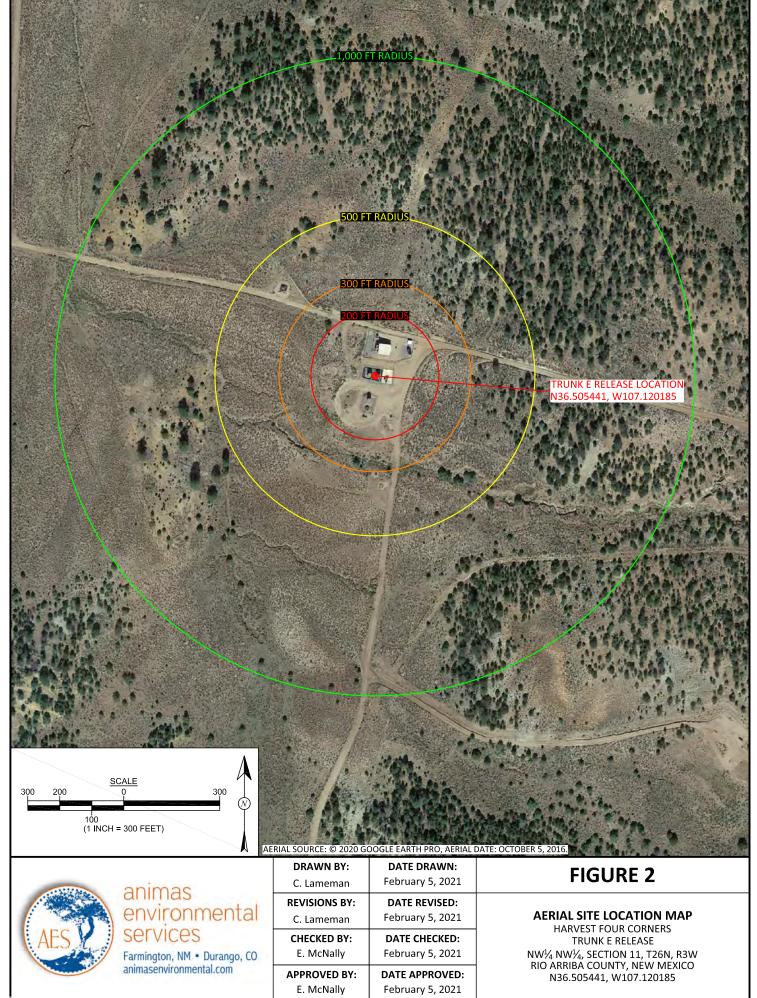
Cc: Kijun Hong Harvest Midstream Company 1755 Arroyo Dr. Bloomfield, New Mexico 87413 *Email: <u>khong@harvestmidstream.com</u>*

Tamara Faust and Sherrie Landon Bureau of Land Management Farmington Field Office 6251 College Blvd., Suite A Farmington, New Mexico 87402 *Email: tfaust@blm.gov* and *slandon@blm.gov*

https://animasenvironmental.sharepoint.com/sites/HarvestMidstream/Shared Documents/Trunk E/Reports/Trunk E Exc Clearance Report 030921.docx



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Received by OCD: 3/23/2021 8:22:14 AM

Laboratory Analytical Results							
Lab Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	TPH- MRO (mg/kg)	Chlorides (mg/kg)
		10	50		100		600
North Wall East End	2/11/21	<0.017	<0.153	<3.4	<9.1	<46	<60
North Wall West End	2/11/21	<0.10	<0.93	<21	<9.9	<49	<60
South Wall East End	2/11/21	<0.017	0.094	5.4	<9.7	<48	<60
South Wall West End	2/11/21	<0.016	<0.145	<3.2	<9.3	<46	<60
East Wall North End	2/11/21	<0.092	<0.822	<18	<8.5	<43	<60
East Wall South End	2/11/21	<0.019	<0.172	<3.8	<9.6	<48	<59
West Wall North End	1/12/21	<0.020	<0.177	<3.9	<9.6	<48	<60
West Wall South End	1/12/21	<0.020	<0.180	<4.0	<10	<50	<61
Bottom Composite	2/11/21	1.7	151.9	1,800	880	250	<60

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B, 8015D AND 300.0. ALL SAMPLES WERE COLLECTED BY HARVEST MIDSTREAM.

APPROXIMATE EXCAVATION EXTENTS APPROXIMATELY 40 FT x 50 FT x 5 TO 10 FT DEEP

WEST WALL NORTH END

NORTH WALL

WEST END

WEST END

NORTH WALL EAST END

воттом сомрозите

SOUTH WALL

EAST WALL NORTH END

EAST WALL SOUTH END

WEST WALL SOUTH END

30 20 0 30 10 (1 INCH = 30 FEET)

AERIAL SOURCE: © 2020 GOOGLE EARTH PRO, AERIAL DATE: OCTOBER 5, 2016



١E	ERIAL SOURCE: © 2020 GOOGLE EARTH PRO, AERIAL I					
	DRAWN BY:	DATE DRAWN:				
	C. Lameman	March 10, 2021				
	REVISIONS BY:	DATE REVISED:				
	C. Lameman	March 10, 2021				
	CHECKED BY:	DATE CHECKED:				
	E. McNally	March 10, 2021				
	APPROVED BY:	DATE APPROVED:				
	E. McNally	March 10, 2021				

FIGURE 3
EXCAVATION AREA MAP

AND SOIL SAMPLE LOCATIONS HARVEST FOUR CORNERS TRUNK E RELEASE NW¼ NW¼, SECTION 11, T26N, R3W RIO ARRIBA COUNTY, NEW MEXICO N36.505441, W107.120185

LEGEND SAMPLE LOCATIONS

Trunk E NMOCD Incident No. nAPP2103643602 Release Excavation Clearance



Photo 1: Liner inspection.



Photo 2: Liner inspection.

Trunk E NMOCD Incident No. nAPP2103643602 Release Excavation Clearance



Photo 3: Excavation, 12 Feb. 2021. View is to the southwest.



Photo 4: Excavation, 12 Feb. 2021. View is to the west.

Trunk E NMOCD Incident No. nAPP2103643602 Release Excavation Clearance



Photo 5: Excavation, 12 Feb. 2021. View is to the north.



Photo 6: Application of potassium permanganate.

Pho Received by OCD: 3/23/2021 8:22:14 AM 400 882 East 236 akea 612 . 5' - 6-164 W 2469 014 Hes mel pecp 5'perp 982 5' peep West wall west wall South ENd 50' West North ENd 2hase 50 × 45 Over all Released to Imaging: 5/2/2022 3:51:29 PM

Page 16 of 57 P. t. S. Removed and excoveted East East well Pha South West-Well 2391 East GNZ 10 ed East. 302 ppn 5. peer N 25' 26980 5 245 ppm South Wall North 245 ppn west Find Wolt west ENd west well South WES wal 400 ENS BBL North Cal 4" RP didn't Janpleirs 40 × 50 ×



January 14, 2021

Kijun Hong Harvest 1755 Arroyo Dr. Bloomfield, NM 87413 TEL: FAX:

RE: Trunk E Tank Phase 1

OrderNo.: 2101453

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 7 sample(s) on 1/13/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order **2101453** Date Reported: **1/14/2021**

		-
CLIENT: Harvest		Client Sample ID: North Wall East End
Project: Trunk E Tank I	Phase 1	Collection Date: 1/12/2021 12:40:00 PM
Lab ID: 2101453-001	Matrix: MEOH (SOII	<i>Received Date:</i> 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	60		mg/Kg	20	1/13/2021 10:47:12 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	BRM
Diesel Range Organics (DRO)	12	9.9		mg/Kg	1	1/13/2021 10:34:35 AM	57514
Motor Oil Range Organics (MRO)	91	49		mg/Kg	1	1/13/2021 10:34:35 AM	57514
Surr: DNOP	93.0	30.4-154		%Rec	1	1/13/2021 10:34:35 AM	57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	6.8	3.4		mg/Kg	1	1/13/2021 9:07:26 AM	G74590
Surr: BFB	122	75.3-105	S	%Rec	1	1/13/2021 9:07:26 AM	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.017		mg/Kg	1	1/13/2021 9:07:26 AM	B74590
Toluene	ND	0.034		mg/Kg	1	1/13/2021 9:07:26 AM	B74590
Ethylbenzene	ND	0.034		mg/Kg	1	1/13/2021 9:07:26 AM	B74590
Xylenes, Total	0.12	0.069		mg/Kg	1	1/13/2021 9:07:26 AM	B74590
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	1/13/2021 9:07:26 AM	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 12

Lab Order 2101453

Date Reported: 1/14/2021

CLIENT:	Harvest	C	Client Sample ID: North Wall West End
Project:	Trunk E Tank Phase 1		Collection Date: 1/12/2021 12:50:00 PM
Lab ID:	2101453-002	Matrix: MEOH (SOIL)	Received Date: 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	60		mg/Kg	20	1/13/2021 10:59:36 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	BRM
Diesel Range Organics (DRO)	17	10		mg/Kg	1	1/13/2021 10:58:16 AM	57514
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/13/2021 10:58:16 AM	57514
Surr: DNOP	91.6	30.4-154		%Rec	1	1/13/2021 10:58:16 AM	57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	1/13/2021 9:31:31 AM	G74590
Surr: BFB	107	75.3-105	S	%Rec	5	1/13/2021 9:31:31 AM	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.11		mg/Kg	5	1/13/2021 9:31:31 AM	B74590
Toluene	ND	0.23		mg/Kg	5	1/13/2021 9:31:31 AM	B74590
Ethylbenzene	ND	0.23		mg/Kg	5	1/13/2021 9:31:31 AM	B74590
Xylenes, Total	ND	0.45		mg/Kg	5	1/13/2021 9:31:31 AM	B74590
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	5	1/13/2021 9:31:31 AM	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 12

Analytical Report
Lab Order 2101453

Date Reported: 1/14/2021

Hall Environmental Analysis Lab	oratory, Inc.
---------------------------------	---------------

CLIENT:	Harvest	(Client Sample ID: West Wall North End
Project:	Trunk E Tank Phase 1		Collection Date: 1/12/2021 1:00:00 PM
Lab ID:	2101453-003	Matrix: MEOH (SOIL)	Received Date: 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	1/13/2021 11:12:00 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	1/13/2021 9:27:25 AM	57514
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/13/2021 9:27:25 AM	57514
Surr: DNOP	100	30.4-154	%Rec	1	1/13/2021 9:27:25 AM	57514
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	1/13/2021 9:55:04 AM	G74590
Surr: BFB	105	75.3-105	%Rec	1	1/13/2021 9:55:04 AM	G74590
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.020	mg/Kg	1	1/13/2021 9:55:04 AM	B74590
Toluene	ND	0.039	mg/Kg	1	1/13/2021 9:55:04 AM	B74590
Ethylbenzene	ND	0.039	mg/Kg	1	1/13/2021 9:55:04 AM	B74590
Xylenes, Total	ND	0.079	mg/Kg	1	1/13/2021 9:55:04 AM	B74590
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	1/13/2021 9:55:04 AM	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 12

Analytical Report Lab Order 2101453

Lab Order **2101453** Date Reported: **1/14/2021**

CLIENT:	Harvest	Client Sample ID: West Wall South End
Project:	Trunk E Tank Phase 1	Collection Date: 1/12/2021 1:05:00 PM
Lab ID:	2101453-004	Matrix: MEOH (SOIL) Received Date: 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	ND	61	mg/Kg	20	1/13/2021 11:24:25 AM	1 57517
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/13/2021 9:51:09 AM	57514
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/13/2021 9:51:09 AM	57514
Surr: DNOP	100	30.4-154	%Rec	1	1/13/2021 9:51:09 AM	57514
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/13/2021 10:18:33 AM	1 G74590
Surr: BFB	101	75.3-105	%Rec	1	1/13/2021 10:18:33 AM	1 G74590
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.020	mg/Kg	1	1/13/2021 10:18:33 AM	1 B74590
Toluene	ND	0.040	mg/Kg	1	1/13/2021 10:18:33 AM	1 B74590
Ethylbenzene	ND	0.040	mg/Kg	1	1/13/2021 10:18:33 AM	1 B74590
Xylenes, Total	ND	0.080	mg/Kg	1	1/13/2021 10:18:33 AM	1 B74590
Surr: 4-Bromofluorobenzene	99.1	80-120	%Rec	1	1/13/2021 10:18:33 AM	1 B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 12

Lab Order 2101453

Date Reported: 1/14/2021

CLIENT: Harvest	Client Sample ID: South Wall West End
Project: Trunk E Tank Phase 1	Collection Date: 1/12/2021 1:15:00 PM
Lab ID: 2101453-005	Matrix: MEOH (SOIL) Received Date: 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	60		mg/Kg	20	1/13/2021 11:36:50 AN	57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/13/2021 10:15:04 AN	57514
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/13/2021 10:15:04 AN	57514
Surr: DNOP	101	30.4-154		%Rec	1	1/13/2021 10:15:04 AN	57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	1/13/2021 10:42:10 AN	G74590
Surr: BFB	105	75.3-105	S	%Rec	1	1/13/2021 10:42:10 AN	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.019		mg/Kg	1	1/13/2021 10:42:10 AN	B74590
Toluene	ND	0.039		mg/Kg	1	1/13/2021 10:42:10 AN	B74590
Ethylbenzene	ND	0.039		mg/Kg	1	1/13/2021 10:42:10 AN	B74590
Xylenes, Total	ND	0.077		mg/Kg	1	1/13/2021 10:42:10 AN	B74590
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	1/13/2021 10:42:10 AN	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2101453

Date Reported: 1/14/2021

CLIENT:	Harvest	(Client Sample ID: South Wall East End
Project:	Trunk E Tank Phase 1		Collection Date: 1/12/2021 1:30:00 PM
Lab ID:	2101453-006	Matrix: MEOH (SOIL)	Received Date: 1/13/2021 8:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	1/13/2021 11:49:14 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/13/2021 10:38:57 AM	57514
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/13/2021 10:38:57 AM	57514
Surr: DNOP	100	30.4-154	%Rec	1	1/13/2021 10:38:57 AM	57514
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	1/13/2021 11:05:44 AM	G74590
Surr: BFB	104	75.3-105	%Rec	1	1/13/2021 11:05:44 AM	G74590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.019	mg/Kg	1	1/13/2021 11:05:44 AM	B74590
Toluene	ND	0.038	mg/Kg	1	1/13/2021 11:05:44 AM	B74590
Ethylbenzene	ND	0.038	mg/Kg	1	1/13/2021 11:05:44 AM	B74590
Xylenes, Total	ND	0.076	mg/Kg	1	1/13/2021 11:05:44 AM	B74590
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	1/13/2021 11:05:44 AM	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2101453** Date Reported: **1/14/2021**

CLIENT	: Harvest	(Client Sample ID: Bottom Comp					
Project:	Trunk E Tank Phase 1		Collection Date: 1/12/2021 2:00:00 PM					
Lab ID:	2101453-007	Matrix: MEOH (SOIL)	Received Date: 1/13/2021 8:10:00 AM					

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	60		mg/Kg	20	1/13/2021 12:01:39 PM	1 57517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	BRM
Diesel Range Organics (DRO)	650	9.9		mg/Kg	1	1/13/2021 10:11:04 AN	57514
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	1/13/2021 10:11:04 AN	57514
Surr: DNOP	101	30.4-154		%Rec	1	1/13/2021 10:11:04 AN	1 57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	830	21		mg/Kg	5	1/13/2021 11:29:17 AN	G74590
Surr: BFB	669	75.3-105	S	%Rec	5	1/13/2021 11:29:17 AN	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.21	0.10		mg/Kg	5	1/13/2021 11:29:17 AN	B74590
Toluene	11	0.21		mg/Kg	5	1/13/2021 11:29:17 AN	B74590
Ethylbenzene	4.2	0.21		mg/Kg	5	1/13/2021 11:29:17 AN	B74590
Xylenes, Total	49	0.41		mg/Kg	5	1/13/2021 11:29:17 AN	B74590
Surr: 4-Bromofluorobenzene	131	80-120	S	%Rec	5	1/13/2021 11:29:17 AN	B74590

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 12

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Client: Project:	Harvest Trunk E	Tank Phase	e 1								
Sample ID:	MB-57517	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 57	517	F	RunNo: 74	1587				
Prep Date:	1/13/2021	Analysis D	ate: 1/	13/2021	S	SeqNo: 26	33298	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-57517	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 57	517	F	RunNo: 74	1587				
Prep Date:	1/13/2021	Analysis D	ate: 1/	13/2021	S	SeqNo: 26	633299	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.9	90	110			

Qualifiers:

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- D Sample Diluted Due to Matrix
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 12

2101453

14-Jan-21

WO#:

Released to Imaging: 5/2/2022 3:51:29 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	WO#:	2101453
с.		14-Jan-21

Client: Harvest Project: Trunk E	Tank Phase 1		
Sample ID: LCS-57448	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 57448	RunNo: 74564	
Prep Date: 1/11/2021	Analysis Date: 1/12/2021	SeqNo: 2631924	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.9 5.000	117 30.4	154
Sample ID: MB-57448	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 57448	RunNo: 74564	
Prep Date: 1/11/2021	Analysis Date: 1/12/2021	SeqNo: 2631926	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	13 10.00	125 30.4	154
Sample ID: MB-57514	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 57514	RunNo: 74586	
Prep Date: 1/13/2021	Analysis Date: 1/13/2021	SeqNo: 2632829	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) Surr: DNOP	ND 50 9.2 10.00	92.1 30.4	154
	5.2 10.00	52.1 50.4	
Sample ID: LCS-57514	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 57514	RunNo: 74586	
Prep Date: 1/13/2021	Analysis Date: 1/13/2021	SeqNo: 2632831	Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	44 10 50.00 4.3 5.000	0 87.1 68.9 86.1 30.4	141 154
Sample ID: LCS-57446	SampType: LCS		8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 57446	RunNo: 74564	
Prep Date: 1/11/2021	Analysis Date: 1/12/2021	SeqNo: 2633015	Units: %Rec
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.5 5.000	110 30.4	154
Sample ID: MB-57446	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 57446	RunNo: 74564	
Prep Date: 1/11/2021	Analysis Date: 1/12/2021	SeqNo: 2633016	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	12 10.00	116 30.4	154

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Harvest										
Project:	Trunk E Ta	nk Phase 1									
Sample ID:	2101453-001AMS	SampTyp	e: MS	6	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	North Wall East End	Batch I): 57	514	F	RunNo: 74	4564				
Prep Date:	1/13/2021 A	nalysis Date	e: 1/	13/2021	S	SeqNo: 20	633885	Units: mg/K	g		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	51	9.1	45.37	12.26	85.2	15	184			
Surr: DNOP		4.5		4.537		99.8	30.4	154			
Sample ID:	2101453-001AMSD	SampTyp	e: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	North Wall East End	Batch I): 57	514	F	RunNo: 74	4564				
Prep Date:	1/13/2021 A	analysis Date	e: 1/	13/2021	S	SeqNo: 20	633886	Units: mg/K	g		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	54	10	49.75	12.26	83.9	15	184	5.91	23.9	
Surr: DNOP		4.8		4.975		96.9	30.4	154	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 12

2101453

14-Jan-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2101453
	14 Ian 21

14-Jan-21	
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Client: Project:	Harvest Trunk E Ta	ink Phase	1											
Sample ID: mb1		SampTy	pe: ME	3LK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e				
Client ID: PBS		Batch I	D: G7	4590	F	RunNo: 74590								
Prep Date:	A	Analysis Dat	te: 1/	13/2021	S	SeqNo: 2	633391	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organ Surr: BFB	nics (GRO)	ND 1000	5.0	1000		101	75.3	105						
Sample ID: 2.5ug	gro Ics	SampTyp	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e				
Client ID: LCS	3	Batch I	D: G7	4590	F	RunNo: 7	4590							
Prep Date:	A	Analysis Dat	te: 1/	13/2021	S	SeqNo: 2	633401	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Orga	nics (GRO)	24	5.0	25.00	0	97.2	72.5	106						
Surr: BFB		1100		1000		114	75.3	105			S			
Sample ID: 2101	453-001ams	SampTy	pe: MS	3	Tes	tCode: El	PA Method	8015D: Gasc	oline Rang	e				
Client ID: North	n Wall East End	Batch I	D: G7	4590	F	RunNo: 7	4590							
Prep Date:	А	Analysis Dat	te: 1/	13/2021	S	SeqNo: 2	633409	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Orga	nics (GRO)	26	3.4	17.16	6.850	110	61.3	114						
Surr: BFB		960		686.3		140	75.3	105			S			
Sample ID: 2101	453-001amsd	SampTy	pe: MS	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e				
Client ID: North	n Wall East End	Batch I	D: G7	4590	F	RunNo: 7	4590							
Prep Date:	A	Analysis Dat	te: 1/	13/2021	S	SeqNo: 2	633410	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organ	nics (GRO)	25	3.4	17.16	6.850	106	61.3	114	2.41	20				
Surr: BFB	(0) (0)	970	0	686.3	0.000	100	75.3	105	0	0	S			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2101453
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14-Jan-21

Project:	Frunk E Tank Pha										
Client ID: DDC	Samp	Type: ME	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
GIEILID. PD3	Bat	ch ID: B7	4590	R	unNo: 74	1590					
Prep Date:	Analysis	Date: 1/	13/2021	S	eqNo: 26	633446	Units: mg/k	ζg			
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-Bromofluorobenz	zene 1.0		1.000		101	80	120				
Sample ID: 100ng b	ex Ics Samp	Type: LC	S	Tes	Code: EF	PA Method	8021B: Vola	tiles			
Client ID: LCSS	Bat	ch ID: B7	4590	R	unNo: 74	4590					
Prep Date:	Analysis	Date: 1/	13/2021	S	eqNo: 26	633447	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96	0.025	1.000	0	95.6	80	120				
Toluene	0.98	0.050	1.000	0	98.4	80	120				
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120				
Xylenes, Total	2.9	0.10	3.000	0	97.6	80	120				
Surr: 4-Bromofluorobenz	zene 1.0		1.000		104	80	120				
Sample ID: 2101453	-002ams Samp	туре: М	6	Tes	Code: EF	PA Method	8021B: Vola	tiles			
Client ID: North W	all West En Bat	ch ID: B7	4590	RunNo: 74590							
Prep Date:	Analysis	Date: 1/	13/2021	SeqNo: 2633455 Units				ζg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	4.4	0.11	4.545	0	97.0	76.3	120				
Toluene	4.5	0.23	4.545	0.05045	97.4	78.5	120				
Ethylbenzene	4.5	0.23	4.545	0	98.7	78.1	124				
Xylenes, Total	13	0.45	13.64	0.09727	97.7	79.3	125				
Surr: 4-Bromofluorobenz	zene 4.9		4.545		108	80	120				
Sample ID: 2101453	-002amsd Samp	Type: MS	SD	Tes	Code: EF	PA Method	8021B: Vola	tiles			
Client ID: North W	all West En Bat	ch ID: B7	4590	R	unNo: 74	1590					
Prep Date:	Analysis	Date: 1/	13/2021	S	eqNo: 26	633456	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	4.4	0.11	4.545	0	96.0	76.3	120	1.02	20		
Toluene	4.5	0.23	4.545	0.05045	97.4	78.5	120	0.0406	20		
Ethylbenzene	4.5	0.23	4.545	0	98.6	78.1	124	0.0507	20		
Xylenes, Total	13	0.45	13.64	0.09727	97.0	79.3	125	0.738	20		
Surr: 4-Bromofluorobenz	zene 5.0		4.545		110	80	120	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTA ANALYSIS LABORATORY	AL.	TE.	ll Environmento Al. L: 505-345-397 ebsite: clients.k	490 buquerc 5 FAX:	01 Hawk pue, NM 505-34.	kins NE 87109 5-4107	San	nple Log-In Check List
Client Name: Harvest		Work	Order Numbe	r: 210	1453			RcptNo: 1
Received By: Juan Roja	s	1/13/20	21 8:10:00 AM	N		Guan	ang)	
Completed By: Emily Mod	ho	1/13/20	21 8:13:34 AM	A				
Reviewed By: Soc	1/13/							
Chain of Custody								
1. Is Chain of Custody compl	ete?			Yes	~	No		Not Present
2. How was the sample delive	ered?			Cou	rier			
Log In							-	
3. Was an attempt made to c	ool the samples?			Yes	V	No		NA 🗌
4. Were all samples received	at a temperature	of >0° C f	to 6.0°C	Yes	~	No		
5. Sample(s) in proper contai	ner(s)?			Yes		No		
6. Sufficient sample volume for	or indicated test(s)?		Yes		No		
7. Are samples (except VOA	and ONG) proper	ly preserve	ed?	Yes	\checkmark	No		
8. Was preservative added to	bottles?			Yes		No	~	NA 🗌
9. Received at least 1 vial with	n headspace <1/4	" for AQ V	'OA?	Yes		No		NA 🔽
10. Were any sample containe	rs received broke	en?		Yes		No	\checkmark	
11.Does paperwork match bot				Yes		No		# of preserved bottles checked for pH:
(Note discrepancies on cha 12. Are matrices correctly ident		Custody2		Yes		No		(<2 or >12 unless noted) Adjusted?
13. Is it clear what analyses we		Custouy?		Yes		No	100	
14. Were all holding times able (If no, notify customer for a	to be met?			Yes		No	1.11	Checked by: JR 1/13/2
Special Handling (if app	licable)						1	
15. Was client notified of all di	screpancies with	this order?	2	Yes		No		NA 🗹
Person Notified:			Date:					
By Whom:			Via:	eM	ail 🗌	Phone	Fax	🗌 In Person
Regarding: Client Instructions:								
16. Additional remarks:								
17. <u>Cooler Information</u>								
Cooler No Temp °C 1 1.2	Condition S Good Ye	eal Intact	Seal No	Seal D	ate	Signed	Ву	

Page 1 of 1

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Chain-of-Custody Record	Client: Harvest		dress:	BloomField	505	email or Fax#: Khows @	kage: d	L L		(be)	Time	12.40	12:50	1:00	:00	1000	:30	2.8			7	-
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February 16, 2021

Kijun Hong Harvest 1755 Arroyo Dr. Bloomfield, NM 87413 TEL: (505) 632-4475 FAX:

RE: Trunk E Tanks II

OrderNo.: 2102649

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 7 sample(s) on 2/12/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Trunk E Tanks II

2102649-001

Project:

Lab ID:

Analytical Report
Lab Order 2102649

Hall Environmental	Analysis	Laboratory,	Inc.
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Date Reported: 2/16/2021

Client Sample ID: North Wall East End Collection Date: 2/11/2021 10:30:00 AM Received Date: 2/12/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	ND	60	mg/Kg	20	2/12/2021 10:02:11 AM	1 58082
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: mb
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/12/2021 9:32:58 AM	58079
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/12/2021 9:32:58 AM	58079
Surr: DNOP	118	70-130	%Rec	1	2/12/2021 9:32:58 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	2/12/2021 10:29:22 AM	1 58071
Surr: BFB	99.2	75.3-105	%Rec	1	2/12/2021 10:29:22 AN	1 58071
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.017	mg/Kg	1	2/12/2021 10:29:22 AM	1 58071
Toluene	ND	0.034	mg/Kg	1	2/12/2021 10:29:22 AM	1 58071
Ethylbenzene	ND	0.034	mg/Kg	1	2/12/2021 10:29:22 AM	1 58071
Xylenes, Total	ND	0.068	mg/Kg	1	2/12/2021 10:29:22 AN	1 58071
Surr: 4-Bromofluorobenzene	95.7	80-120	%Rec	1	2/12/2021 10:29:22 AM	1 58071

Matrix:

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 11

Analytical Report
Lab Order 2102649

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/16/2021 Client Sample ID: North Wall West End Collection Date: 2/11/2021 10:40:00 AM

Project:	Trunk E Tanks II		(Collection Dat	e: 2/1	11/2021 10:40:00 AM							
Lab ID:	2102649-002	Matrix:		Received Date: 2/12/2021 7:30:00 AM									
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch						
EPA MET	HOD 300.0: ANIONS					Analys	: VP						
Chloride		ND	60	mg/Kg	20	2/12/2021 10:14:36 AM	58082						
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	: mb						
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	2/12/2021 9:42:29 AM	58079						
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	2/12/2021 9:42:29 AM	58079						
Surr: D	NOP	121	70-130	%Rec	1	2/12/2021 9:42:29 AM	58079						
EPA MET	HOD 8015D: GASOLINE RA	ANGE				Analys	: NSB						
Gasoline	Range Organics (GRO)	ND	21	mg/Kg	5	2/12/2021 10:53:06 AN	58071						
Surr: B	FB	105	75.3-105	%Rec	5	2/12/2021 10:53:06 AN	58071						
EPA MET	HOD 8021B: VOLATILES					Analys	: NSB						
Benzene		ND	0.10	mg/Kg	5	2/12/2021 10:53:06 AM	58071						
Toluene		ND	0.21	mg/Kg	5	2/12/2021 10:53:06 AN	58071						
Ethylbenz	zene	ND	0.21	mg/Kg	5	2/12/2021 10:53:06 AN	58071						
Xylenes,	Total	ND	0.41	mg/Kg	5	2/12/2021 10:53:06 AN	58071						
Surr: 4	-Bromofluorobenzene	98.5	80-120	%Rec	5	2/12/2021 10:53:06 AM	58071						

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 2 of 11

Trunk E Tanks II

2102649-003

Project:

Lab ID:

Analytical Report
Lab Order 2102649

Date Reported: 2/16/2021
Client Sample ID: South Wall East End

Collection Date: 2/11/2021 10:50:00 AM Received Date: 2/12/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	2/12/2021 10:27:00 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: mb
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/12/2021 9:52:00 AM	58079
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/12/2021 9:52:00 AM	58079
Surr: DNOP	120	70-130	%Rec	1	2/12/2021 9:52:00 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	5.4	3.4	mg/Kg	1	2/12/2021 11:16:47 AM	58071
Surr: BFB	104	75.3-105	%Rec	1	2/12/2021 11:16:47 AM	58071
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.017	mg/Kg	1	2/12/2021 11:16:47 AM	58071
Toluene	ND	0.034	mg/Kg	1	2/12/2021 11:16:47 AM	58071
Ethylbenzene	ND	0.034	mg/Kg	1	2/12/2021 11:16:47 AM	58071
Xylenes, Total	0.094	0.069	mg/Kg	1	2/12/2021 11:16:47 AM	58071
Surr: 4-Bromofluorobenzene	97.7	80-120	%Rec	1	2/12/2021 11:16:47 AM	58071

Matrix:

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 11

Trunk E Tanks II

2102649-004

Project:

Lab ID:

Analytical Report
Lab Order 2102649

Date Reported: 2/16/2021

Client Sample ID: South Wall West End Collection Date: 2/11/2021 11:00:00 AM Received Date: 2/12/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	it: VP
Chloride	ND	60	mg/Kg	20	2/12/2021 10:39:24 AN	A 58082
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: mb
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/12/2021 10:01:31 AM	A 58079
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/12/2021 10:01:31 AN	A 58079
Surr: DNOP	124	70-130	%Rec	1	2/12/2021 10:01:31 AM	A 58079
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	2/12/2021 11:40:24 AN	<i>I</i> 58071
Surr: BFB	103	75.3-105	%Rec	1	2/12/2021 11:40:24 AN	A 58071
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.016	mg/Kg	1	2/12/2021 11:40:24 AM	<i>I</i> 58071
Toluene	ND	0.032	mg/Kg	1	2/12/2021 11:40:24 AN	A 58071
Ethylbenzene	ND	0.032	mg/Kg	1	2/12/2021 11:40:24 AN	<i>I</i> 58071
Xylenes, Total	ND	0.065	mg/Kg	1	2/12/2021 11:40:24 AN	<i>I</i> 58071
Surr: 4-Bromofluorobenzene	97.5	80-120	%Rec	1	2/12/2021 11:40:24 AN	<i>I</i> 58071

Matrix:

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 11

CLIENT: Harvest

Trunk E Tanks II

2102649-005

Project:

Lab ID:

Analytical Report Lab Order 2102649

Hall Environmental	Analysis	Laboratory,	Inc.
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Date Reported: 2/16/2021

Client Sample ID: East Wall North End Collection Date: 2/11/2021 11:10:00 AM Received Date: 2/12/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	ND	60	mg/Kg	20	2/12/2021 10:51:49 AM	1 58082
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: mb
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	2/12/2021 10:11:05 AM	1 58079
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/12/2021 10:11:05 AM	1 58079
Surr: DNOP	119	70-130	%Rec	1	2/12/2021 10:11:05 AM	1 58079
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	2/12/2021 12:03:48 PM	1 58071
Surr: BFB	104	75.3-105	%Rec	5	2/12/2021 12:03:48 PM	1 58071
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.092	mg/Kg	5	2/12/2021 12:03:48 PM	1 58071
Toluene	ND	0.18	mg/Kg	5	2/12/2021 12:03:48 PM	1 58071
Ethylbenzene	ND	0.18	mg/Kg	5	2/12/2021 12:03:48 PM	1 58071
Xylenes, Total	ND	0.37	mg/Kg	5	2/12/2021 12:03:48 PM	1 58071
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	5	2/12/2021 12:03:48 PM	1 58071

Matrix:

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 11

CLIENT: Harvest

Project: Trunk E Tanks II

Analytical Report
Lab Order 2102649

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/16/2021 Client Sample ID: East Wall South End Collection Date: 2/11/2021 11:20:00 AM

Lab ID: 2102649-006	Matrix:		Received Dat	e: 2/1	2/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: VP	
Chloride	ND	59	mg/Kg	20	2/12/2021 11:04:14 AM 580)82
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: mb)
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/12/2021 10:20:39 AM 580)79
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/12/2021 10:20:39 AM 580)79
Surr: DNOP	119	70-130	%Rec	1	2/12/2021 10:20:39 AM 580)79
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: NS	в
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	2/12/2021 12:27:14 PM 580)71
Surr: BFB	101	75.3-105	%Rec	1	2/12/2021 12:27:14 PM 580)71
EPA METHOD 8021B: VOLATILES					Analyst: NS	В
Benzene	ND	0.019	mg/Kg	1	2/12/2021 12:27:14 PM 580)71
Toluene	ND	0.038	mg/Kg	1	2/12/2021 12:27:14 PM 580)71
Ethylbenzene	ND	0.038	mg/Kg	1	2/12/2021 12:27:14 PM 580)71
Xylenes, Total	ND	0.077	mg/Kg	1	2/12/2021 12:27:14 PM 580)71
Surr: 4-Bromofluorobenzene	97.4	80-120	%Rec	1	2/12/2021 12:27:14 PM 580)71

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- P Sample pH Not Ir RL Reporting Limit

Page 6 of 11

CLIENT: Harvest

Project: Trunk E Tanks II

Analytical Report Lab Order 2102649

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2102649** Date Reported: **2/16/2021**

Client Sample ID: Bottom Composite Collection Date: 2/11/2021 11:30:00 AM Received Date: 2/12/2021 7:30:00 AM

Lab ID: 2102649-007	Matrix:		Receive	d Date	e: 2/1	2/2021 7:30:00 AM	
Analyses	Result	RL	Qual U	J nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	VP
Chloride	ND	60	n	ng/Kg	20	2/12/2021 11:16:38 AM	58082
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	mb
Diesel Range Organics (DRO)	880	9.4	n	ng/Kg	1	2/12/2021 10:30:15 AM	58079
Motor Oil Range Organics (MRO)	250	47	n	ng/Kg	1	2/12/2021 10:30:15 AM	58079
Surr: DNOP	125	70-130	0	%Rec	1	2/12/2021 10:30:15 AM	58079
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline Range Organics (GRO)	1800	71	n	ng/Kg	20	2/12/2021 9:18:37 AM	58071
Surr: BFB	364	75.3-105	S %	%Rec	20	2/12/2021 9:18:37 AM	58071
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	1.7	0.36	n	ng/Kg	20	2/12/2021 9:18:37 AM	58071
Toluene	41	0.71	n	ng/Kg	20	2/12/2021 9:18:37 AM	58071
Ethylbenzene	9.2	0.71	n	ng/Kg	20	2/12/2021 9:18:37 AM	58071
Xylenes, Total	100	1.4	n	ng/Kg	20	2/12/2021 9:18:37 AM	58071
Surr: 4-Bromofluorobenzene	111	80-120	0	%Rec	20	2/12/2021 9:18:37 AM	58071

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 11

Client: Project:	Harvest Trunk E	Tanks II							
Sample ID:	MB-58082	SampType	MBLK	Tes	tCode: EPA Method	300.0: Anions			
Client ID:	PBS	Batch ID:	58082	F	RunNo: 75256				
Prep Date:	2/12/2021	Analysis Date:	2/12/2021	S	SeqNo: 2658946	Units: mg/Kg	J		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID:	LCS-58082	SampType	LCS	Tes	tCode: EPA Method	300.0: Anions	i		
Client ID:	LCSS	Batch ID:	58082	F	RunNo: 75256				
Prep Date:	2/12/2021	Analysis Date:	2/12/2021	5	SeqNo: 2658948	Units: mg/Kg	J		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5 15.00	0	97.6 90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 11

2102649

16-Feb-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 2/12/2021

PQL

5.000

Result

6.1

Tanks II									
SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Batch ID: 58079	RunNo: 75248								
Analysis Date: 2/12/2021	SeqNo: 2657628	Units: mg/Kg							
Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual						
ND 10									
ND 50									
13 10.00	133 70	130	S						
SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Batch ID: 58079	RunNo: 75248	RunNo: 75248							
Analysis Date: 2/12/2021	SeqNo: 2657629	Units: mg/Kg							
Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual						
47 10 50.00	0 94.8 68.9	141							
5.4 5.000	109 70	130							
SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics							
Batch ID: 58085	TestCode: EPA Method RunNo: 75248	8015M/D: Diesel Range Organics							
		Units: %Rec							
Batch ID: 58085 Analysis Date: 2/12/2021	RunNo: 75248		Qual						
Batch ID: 58085 Analysis Date: 2/12/2021	RunNo: 75248 SeqNo: 2658759	Units: %Rec	Qual S						
Batch ID: 58085 Analysis Date: 2/12/2021 Result PQL SPK value	RunNo: 75248 SeqNo: 2658759 SPK Ref Val %REC LowLimit 132 70	Units: %Rec HighLimit %RPD RPDLimit							
	SampType: MBLK Batch ID: 58079 Analysis Date: 2/12/2021 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 58079 Analysis Date: 2/12/2021 Result PQL SPK value Analysis Date: 2/12/2021 Result PQL SPK value 47 10 50.00 5.4 5.000 5.000	SampType: MBLK TestCode: EPA Method Batch ID: 58079 RunNo: 75248 Analysis Date: 2/12/2021 SeqNo: 2657628 Result PQL SPK value SPK Ref Val %REC LowLimit ND 10	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 58079 RunNo: 75248 Analysis Date: 2/12/2021 SeqNo: 2657628 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 10 50 133 70 130 100 50 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS TestCode: SP1 Not Solope Organics SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS TestCode: EPA Method S015M/D: Diesel Range Organics SampType: LCS TestCode: EPA Method S015M/D: Diesel Range Organics SampType: LCS TestCode: EPA Method S015M/D: Diesel Range Organics SampType: LCS TestCode: EPA Method S015M/D: Diesel Range Organics Analysis Date: 2/12/2021 SeqNo: 2657629 Units: mg/Kg Analysis Date: 2/12/2021						

Analyte Surr: DNOP

Prep Date: 2/12/2021

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

SeqNo: 2658760

123

SPK value SPK Ref Val %REC LowLimit

Units: %Rec

130

%RPD

RPDLimit

Qual

HighLimit

70

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 11

2102649

16-Feb-21

WO#:

QC SUMMARY REPORT Hall En

	WO#:	2102649
nvironmental Analysis Laboratory, Inc.		16-Feb-21

Client: Project:	Harvest Trunk E	Tanks II											
Sample ID:	mb-58071	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e			
Client ID:	PBS	Batch	h ID: 58	071	RunNo: 75265								
Prep Date:	2/11/2021	Analysis D	Date: 2/	12/2021	S	eqNo: 26	658579	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1000	5.0	1000		100	75.3	105					
Sample ID:	lcs-58071	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	line Rang	e			
Client ID:	LCSS	Batch	n ID: 58	071	F	unNo: 7	5265						
Prep Date:	2/11/2021	Analysis D	Date: 2/	12/2021	S	eqNo: 20	658580	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
•	e Organics (GRO)	27	5.0	25.00	0	109	80	120					
Surr: BFB		1100		1000		111	75.3	105			S		
Sample ID:	mb-58061	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	line Rang	e			
Client ID:	PBS	Batch	h ID: 58	061	F	unNo: 7	5265						
Prep Date:	2/11/2021	Analysis D	Date: 2/	13/2021	S	eqNo: 26	658603	Units: %Rec					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: BFB		990		1000		99.3	75.3	105					
Sample ID:	lcs-58061	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	line Rang	e			
Client ID:	LCSS	Batch	h ID: 58	061	F	unNo: 7	5265						
Prep Date:	2/11/2021	Analysis D	Date: 2/	12/2021	S	eqNo: 20	658604	Units: %Rec					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: BFB		1100		1000		113	75.3	105			S		

Qualifiers:

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- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 10 of 11

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	WO#:	2102649
•		16-Feb-21

Client: Project:	Harvest Trunk E 7	Гanks II										
Sample ID:	mb-58071	SampT	Type: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID:	PBS	Batc	h ID: 58	071	RunNo: 75265							
Prep Date:	2/11/2021	Analysis D	Date: 2/	12/2021	S	eqNo: 26	658632	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	- %RPD	RPDLimit	Qual	
Benzene		ND	0.025			7011E0	LowLink	i ligitiziitii	, or a D		Quui	
Toluene		ND	0.050									
Ethylbenzene		ND	0.050									
Xylenes, Total		ND	0.10									
•	ofluorobenzene	0.97		1.000		97.0	80	120				
Sample ID:	LCS-58071	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID:	LCSS	Batc	h ID: 58	071	F	unNo: 7	5265					
Prep Date:	2/11/2021	Analysis E	Date: 2/	12/2021	S	eqNo: 26	658633	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.94	0.025	1.000	0	93.9	80	120				
Toluene		0.96	0.050	1.000	0	96.5	80	120				
Ethylbenzene		0.97	0.050	1.000	0	96.6	80	120				
Xylenes, Total		2.9	0.10	3.000	0	95.6	80	120				
Surr: 4-Brom	ofluorobenzene	0.97		1.000		97.1	80	120				
Sample ID:	mb-58061	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID:	PBS	Batc	h ID: 58	061	F	unNo: 7	5265					
Prep Date:	2/11/2021	Analysis E	Date: 2/	13/2021	S	eqNo: 26	658656	Units: %Rec	;			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Brom	ofluorobenzene	0.95		1.000		95.4	80	120				
Sample ID:	LCS-58061	SampT	Type: LC	S	Tes	Code: EF	PA Method	8021B: Volati	les			
Client ID:	LCSS	Batc	h ID: 58	061	F	unNo: 7	5265					
Prep Date:	2/11/2021	Analysis E	Date: 2/	12/2021	S	eqNo: 26	658657	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Brom	ofluorobenzene	0.99		1.000		98.7	80	120				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

ANALYSIS LABORATORY		Hall Environmen TEL: 505-345-3 Website: client.	49 Albuquer 975 FAX	01 Hawk que, NM : 505-34.	ins NE 87109 5-4107	Sar	Page 44
Client Name: Harvest	v	Vork Order Numl	ber: 210	2649			RcptNo: 1
Received By: Desiree De	ominguez 2/1	2/2021 7:30:00	AM		TP	N	
Completed By: Cheyenne	Cason 2/1	2/2021 7:52:05 /	M				
Reviewed By: SPA	2.12.21						
Chain of Custody							
1. Is Chain of Custody compl	ete?		Yes		No		Not Present
2. How was the sample delive	ered?		Cou	irier			
Log In							
3. Was an attempt made to co	ool the samples?		Yes	V	No		
4. Were all samples received	at a temperature of >0	° C to 6.0°C	Yes		No		
5. Sample(s) in proper contain	ner(s)?		Yes		No		
6. Sufficient sample volume fo	or indicated test(s)?		Yes	V	No		
7. Are samples (except VOA a	and ONG) properly pres	erved?	Yes	V	No		
8. Was preservative added to	bottles?		Yes		No	~	NA 🗌
9. Received at least 1 vial with	headspace <1/4" for A	Q VOA?	Yes		No		NA 🗹
10. Were any sample container	rs received broken?		Yes		No	~	
11. Does paperwork match bott (Note discrepancies on chai			Yes	<	No		# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identi	and the second sec	dv?	Yes		No		Adjusted?
13. Is it clear what analyses we			Yes		No	_	
 Were all holding times able (If no, notify customer for au 			Yes		No		checked by: Me Zlizh
Special Handling (if appl	licable)						
15. Was client notified of all dis	crepancies with this or	der?	Yes		No		NA 🗹
Person Notified:		Date:		_	_	-	
By Whom:		Via:	eMa	ail 🗌 I	Phone	Fax	In Person
Regarding:						-	
Client Instructions:						-	
16. Additional remarks:							
17. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal Inta	act Seal No	Seal D	ate	Signed E	By	
1 1.8	Good Yes						

Page 1 of 1

	ANALYSTS I ABORATORY		37109	Eax 505-345-4107	Analysis Request	() () () () () () () () () () () () () (B,a t''SC 3) WE	PO₄ PO₄ PO₄	1) 10085 1085 10 10 10 10 10 10 10 10	+ T + 70 18. 18. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(GF 1, NC 1,	АТЕХ + МТ ВТЕХ + МТ ВТЕХ + МТ ВТЕХ + МТ ПРН 8015В ПРН (Меłho ВОР (РОР ВОВ (УОР ВОВ (УОР ВОВ (УОР ВОВ (УОР ВОВ (УОР ВОВ (УОР ВОВ (УОР				XXXXX			× ×		Remarks:	Indu Magy Killion Malue Walk Malue Walk Malue Walk Time: Relinquished by: Received by: Date Time Morgan Kill: ON @ Yahoo · Con IST Morgan Kill: Morgan Kill: Morgan Kill: Morgan Kill: IST Morgan Kill: Morgan Kill: Morgan Kill: Morgan Kill:
Turn-Around Time: Same Day	□ Standard ⊠ Rush 2 -12 - 21	Project Name:	TRUNKE TANKS II			Project Manager:		RUL HONG	2	On Ice: A Yes D No	Sample Temperature: 1, 8 -0 - = 1,8 °c	ContainerPreservativeTypeHEAL No.Type70.27.44	1-405 201-1	1-402	1-402 003	1-402 004	1-402 005	1-402	1-402 001		Received by: Date Time	Muchu Walk 2/11/21 /1646 Received by: Date Time Time Cow w 2/12/21 7:30 Intracted to other accredited laboratories. This serves as notice of this
Chain-of-Custody Record	po Client: Harvest Midstream		Mailing Address: 1755 ARQOYO DR	Bloomfield NM 87413	Phone #: 505-632. 4	email or Fax#: Khond @hervest Midsteen . Com			uo		EDD (Type)	Date Time Matrix Sample Request ID	2-11-21 16 30 50,1 North well				2-11-21 11:10 50:1 Fresh well	2-11-21 11.20 50; ESSEquescold	2-11-21 11:30 50:1 Bottomposite		, Date: Time: Relinquished by: F	5

Re: [EXTERNAL] RE: Trunk E

Kijun Hong <khong@harvestmidstream.com> Wed 3/17/2021 1:51 PM To: Angela Ledgerwood <aledgerwood@animasenvironmental.com> Cc: David Reese <dreese@animasenvironmental.com> Yes

On Mar 17, 2021, at 1:18 PM, Angela Ledgerwood <aledgerwood@animasenvironmental.com> wrote:

KC Manuel gave verbal confirmation to Morgan Killion, is that correct?

Angela Ledgerwood Animas Environmental Services, LLC 720-537-6650 mobile

From: Kijun Hong <khong@harvestmidstream.com> Sent: Wednesday, March 17, 2021 1:03 PM To: Angela Ledgerwood <aledgerwood@animasenvironmental.com> Subject: Trunk E

Looks like we got verbal confirmation to backfill on 2/13/2020 from Keith (KC) Manuel from the Jicarilla EPO.

<image003.png> <u>Kijun Hong</u> | Harvest Midstream Company| Environmental Specialist | Four Corners Office: 505-632-4475 | Cell: 505-436-8457 | 1755 Arroyo Dr., Bloomfield, NM 87413

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From:	Smith, Cory, EMNRD
То:	<u>Kijun Hong; orsonharrison@jicarillaoga.com; kcmanwell@yahoo.com; "Hobson Sandoval"; "Jason Sandoval";</u> "Alfred Vigil"; "Kurt Sandoval"; Griswold, Jim, EMNRD
Cc:	Monica Smith; Kayleigh Ruybalid; Jim Stiffler; Elizabeth McNally; Karen Lupton; Travis Jones; Lloyd Bell; Stanley Dean; Joseph Pruitt
Subject:	RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment
Date:	Thursday, February 11, 2021 7:31:36 AM
Attachments:	image001.png
	image002.png
	image003.png
Cc: Subject: Date:	"Alfred Vigil"; "Kurt Sandoval"; Griswold, Jim, EMNRD Monica Smith; Kayleigh Ruybalid; Jim Stiffler; Elizabeth McNally; Karen Lupton; Travis Jones; Lloyd Bell; Stanle Dean; Joseph Pruitt RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment Thursday, February 11, 2021 7:31:36 AM image001.png

Good Morning Kijun,

Thank you for the update, please make sure to include any approvals from JAN-EPO/OGA in the final C-141.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Kijun Hong <khong@harvestmidstream.com>

Sent: Monday, February 8, 2021 1:23 PM

To: orsonharrison@jicarillaoga.com; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; kcmanwell@yahoo.com; 'Hobson Sandoval' <hsandoval2012@gmail.com>; 'Jason Sandoval' <jasonsandoval@jicarillaoga.com>; 'Alfred Vigil' <'alfredvigiljr@jicarillaoga.com'>; 'Kurt Sandoval' <kurt.sandoval@bia.gov>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>

Cc: Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid

<truybalid@harvestmidstream.com>; Jim Stiffler <jstiffler@harvestmidstream.com>; McNally, Elizabeth <emcnally@animasenvironmental.com>; 'Karen Lupton'

<klupton@animasenvironmental.com>; Travis Jones <trjones@harvestmidstream.com>; Lloyd Bell <lbell@harvestmidstream.com>; Stanley Dean <sdean@harvestmidstream.com>; Joseph Pruitt <jpruitt@harvestmidstream.com>

Subject: [EXT] RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Here is an update on Trunk E:

- Harvest conducted an initial liner inspection and found failure
- We have begun dig and haul remediation
 - Phase 1
 - We ended up removing the liner and lifting Tank 1,
 - Got clean on the West wall, South wall, and North wall (west end)
 - collected confirmation samples (attached),
 - North wall (east end) came in slightly above standards
 - Continued remediating in this direction

- sprayed the bottom with potassium permanganate,
- back filled where clean,
- installed partial liner,
- and re-set tank 1
- Phase 2
 - Continued to remediate to the North and East
 - Lifted Tank 2
 - Ran into an old pit which we are dealing with currently
- We have disposed of 720 yards of contaminated soil with an additional 80 yards waiting to be hauled off
 - Roads have been unsafe due to thaw
- We have been working very closely with KC Manuel from the Jicarilla EPO who has been onsite for the majority of activity.
- The current plan is to continue dig and haul until clean or the situation changes.

Please let me know if there are any concerns or if there is anything else we can provide in the meantime.

Thank You, Kijun

From: Joseph Pruitt

Sent: Wednesday, December 16, 2020 10:47 AM

To: Kijun Hong; <u>orsonharrison@jicarillaoga.com</u>; 'Smith, Cory, EMNRD'; <u>kcmanwell@yahoo.com</u>; 'Hobson Sandoval'; 'Jason Sandoval'; 'Alfred Vigil'; 'Kurt Sandoval'

Cc: 'Griswold, Jim, EMNRD'; Monica Smith; Kayleigh Ruybalid; Jim Stiffler; 'McNally, Elizabeth'; 'Karen Lupton'; Travis Jones; Lloyd Bell; Stanley Dean

Subject: RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

We attempted to power wash the ice and water within the Trunk E liner yesterday however were not successful due to the cold ambient temperatures (-7 this morning). We are in the process of scheduling a hot oil truck and water trucks to heat up and remove the ice/water within the liner. We plan to start on this Monday 12/21/20.

Thanks

Joseph L. Pruitt

Sr. Foreman Pipeline Operations Harvest Midstream 1755 Arroyo Drive | Bloomfield, NM | 87413 (505) 632-4830 (Office) (505) 330-3275 (Mobile) jpruitt@harvestmidstream.com



From: Kijun Hong

Sent: Tuesday, December 15, 2020 7:09 PM

To: <u>orsonharrison@jicarillaoga.com</u>; 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>; <u>kcmanwell@yahoo.com</u>; 'Hobson Sandoval' <<u>hsandoval2012@gmail.com</u>>; 'Jason Sandoval' <<u>jasonsandoval@jicarillaoga.com</u>>; 'Alfred Vigil' <'alfredvigiljr@jicarillaoga.com'>; 'Kurt Sandoval' <<u>kurt.sandoval@bia.gov</u>>

Cc: 'Griswold, Jim, EMNRD' <<u>Jim.Griswold@state.nm.us</u>>; Joseph Pruitt <<u>jpruitt@harvestmidstream.com</u>>; Monica Smith <<u>msmith@harvestmidstream.com</u>>; Kayleigh Ruybalid <<u>truybalid@harvestmidstream.com</u>>; Jim Stiffler <<u>jstiffler@harvestmidstream.com</u>>; 'McNally, Elizabeth' <<u>emcnally@animasenvironmental.com</u>>; 'Karen Lupton' <<u>klupton@animasenvironmental.com</u>>; Travis Jones <<u>trjones@harvestmidstream.com</u>> Subject: RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Hi Orson,

We are still in the early phases of cleanup due to weather.

Once the liner is clean we will conduct a liner inspection to see if there was any failure. If so, we will address remediation as required.

I have been coordinating with Keith on this and will make notification as soon as we are ready for liner inspection.

Let me know if there are any other details you need in the meantime.

From: orsonharrison@jicarillaoga.com [mailto:orsonharrison@jicarillaoga.com]

Sent: Tuesday, December 15, 2020 4:40 PM

To: Kijun Hong; 'Smith, Cory, EMNRD'; <u>kcmanwell@yahoo.com</u>; 'Hobson Sandoval'; 'Jason Sandoval'; 'Alfred Vigil'; 'Kurt Sandoval'

Cc: 'Griswold, Jim, EMNRD'; Joseph Pruitt; Monica Smith; Kayleigh Ruybalid; Jim Stiffler; 'McNally, Elizabeth'; 'Karen Lupton'; Travis Jones

Subject: RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Good afternoon to all,

Question on the Cleanup, was there soil testing that needed to take place? Or has any Soil test

taking place or is needed? Only one JOGA C&E Inspector has given me a report on this and this was Alfred Vigil Jr.. I haven't heard anything from other Nation Department or Industry as to what the cleanup looks like, what was recovered ect..

Thanks all, Orson Harrison JOGA C&E Supervisor

From: Kijun Hong <<u>khong@harvestmidstream.com</u>>

Sent: Tuesday, December 15, 2020 4:13 PM

To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; <u>kcmanwell@yahoo.com</u>; 'Hobson Sandoval' <<u>hsandoval2012@gmail.com</u>>; 'Orson Harrison' <<u>orsonharrison@jicarillaoga.com</u>>; Jason Sandoval <<u>jasonsandoval@jicarillaoga.com</u>>; 'Alfred Vigil' <'alfredvigiljr@jicarillaoga.com'>; 'Kurt Sandoval' <<u>kurt.sandoval@bia.gov</u>>

Cc: Griswold, Jim, EMNRD <<u>Jim.Griswold@state.nm.us</u>>; Joseph Pruitt

<jpruitt@harvestmidstream.com>; Monica Smith <<u>msmith@harvestmidstream.com</u>>; Kayleigh Ruybalid <<u>truybalid@harvestmidstream.com</u>>; Jim Stiffler <<u>jstiffler@harvestmidstream.com</u>>; McNally, Elizabeth <<u>emcnally@animasenvironmental.com</u>>; Karen Lupton

<<u>klupton@animasenvironmental.com</u>>; Travis Jones <<u>trjones@harvestmidstream.com</u>>

Subject: RE: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Hey Cory,

Clean up has been delayed due to weather. We are currently in the process of de-icing and final cleanup of the liner.

Will notify when liner is ready to inspect.

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

Sent: Tuesday, December 15, 2020 4:07 PM

To: Kijun Hong; <u>kcmanwell@yahoo.com</u>; 'Hobson Sandoval'; 'Orson Harrison'; Jason Sandoval; 'Alfred Vigil'; 'Kurt Sandoval'

Cc: Griswold, Jim, EMNRD; Joseph Pruitt; Monica Smith; Kayleigh Ruybalid; Jim Stiffler; McNally, Elizabeth; Karen Lupton; Travis Jones

Subject: [EXTERNAL] RE: Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Good afternoon Kijun,

What is the status of the Trunk E release?

Cory Smith • Environmental Specialist

Environmental Bureau EMNRD - Oil Conservation Division 1000 Rio Brazos | Aztec, NM 87410 505.334.6178 x115 | Cory.Smith@state.nm.us http://www.emnrd.state.nm.us/OCD/

From: Kijun Hong <<u>khong@harvestmidstream.com</u>>

Sent: Thursday, December 10, 2020 10:33 AM

To: kcmanwell@yahoo.com; 'Hobson Sandoval' <<u>hsandoval2012@gmail.com</u>>; 'Orson Harrison' <<u>orsonharrison@jicarillaoga.com</u>>; Jason Sandoval <<u>jasonsandoval@jicarillaoga.com</u>>; 'Alfred Vigil' <'alfredvigiljr@jicarillaoga.com'>; 'Kurt Sandoval' <<u>kurt.sandoval@bia.gov</u>> Cc: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Griswold, Jim, EMNRD <<u>Jim.Griswold@state.nm.us</u>>; Joseph Pruitt <<u>jpruitt@harvestmidstream.com</u>>; Monica Smith <<u>msmith@harvestmidstream.com</u>>; Kayleigh Ruybalid <<u>truybalid@harvestmidstream.com</u>>; Jim Stiffler <<u>jstiffler@harvestmidstream.com</u>>; McNally, Elizabeth <<u>emcnally@animasenvironmental.com</u>>; Karen Lupton <<u>klupton@animasenvironmental.com</u>>;

<emcnally@animasenvironmental.com</pre>; Karen Lupton <klupton@animasenvironmental.co
Travis Jones <trijones@harvestmidstream.com</pre>

Subject: [EXT] Release - Harvest Trunk E Facility - Condensate and Produced Water into Containment

Harvest discovered a condensate/produced water release into secondary containment at our Trunk E facility (36.3034416, -107.722052) yesterday December 9, 2020 @ 1pm.

An estimated 122 bbls of total liquids were released, 80 bbls of which were recovered, and 42 bbls remaining inside containment as ice.

Initial findings show release to have been caused by a failed gasket.

We will be onsite today to cleanup and repair. Harvest plans on taking cleanup directive from the Jicarilla Environmental representative and CC'ing the OCD on any reports.

Please let this email serve as immediate notification of the release.

Thank You, Kijun

<u>Kijun Hong</u> | Harvest Midstream Company | Environmental Specialist | Four Corners Office: 505-632-4475 | Cell: 505-436-8457 | 1755 Arroyo Dr., Bloomfield, NM 87413

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NMOCD Site Assessment/Characterization, Re	mediation & Closu	re			
Site Name:	Trunk E				
API #:	API #: not applicable				
Lat/Long: N36.50544 W107.12019					
TRS: NW/NW-11-26N-3W					
Land Jurisdiction:	Land Jurisdiction: Tribal - Jicarilla				
County:	nty: Rio Arriba				
Determination made by:	e by: David Reese, CHMM/Environmental Scientist				
	2/22/2021				
Wellhe	ad Protection Area	Assessment:			
Determine the horizontal distance from all known w	vater sources within 1	/2 mile of the release	e including private and	l domestic	
water sources. Water sources are wells, springs or o					
those water sources used by less than five househol	ds for domestic or sto	ock purposes. (NMAC	19.15.29.11A.3)		
Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance	
none within 1/2 mile					
Distance to Nearest S	-	urse (NMAC 19.15.	29.11A.4)		
unnamed blue-line wash is 460 ft west, it drain					
Depth to Groundw	vater Determinatio	n (NMAC 19.15.29.	11A.2)		
Cathodic Report/Site Specific Hydrogeology	none available				
		s 20 ft lower in elev	vation, Tapicito Cree	ek 0.42 mi to N	
Elevation Differential					
	no registered wells				
Cathodic Report Nearby Wells					
Sensitive Re	eceptor Determinat	ion			
*If a release occurs within the following areas,	the RP must treat th	ne release as if it oc	curred less than 50	Yes	No
ft to Groundwater (NMAC 19.15.29.12C.4):				res	
<300' of any continuously flowing watercourse					7
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)			7		
<300' of an occupied permanent residence, school, hospital, institution or church <p><500' of a spring or private/domestic water well used by <5 households for domestic or stock watering</p>					
	in used by <5 house	noids for domestic			7
purposes					7
within incorporated municipal boundaries or within a defined municipal fresh water well field					_ _
<300' of a wetland				_ _	
within the area overlying a subsurface mine				7	
within an unstable area				\ \ \	
within a 100-year floodplain					7
Explain any 'Yes' Marks:					
No mark - drainage 250' to south does not likel	y meet the criteria c	of a jurisdictional w	etland		

Actual Depth to Groundwater is:	≤50 🗌	50-100 🗌	>100	
*Treat Depth to Groundwater as if it's ≤ 50 ft? Yes 🔽 No 🗌 JICARILLA LA				
	≤50	50-100	>100	
Release Action Levels are Benzene	10	10	10	
BTEX (mg/kg)	50	50	50	
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000	
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500	
Chlorides (mg/kg)	600	10,000	20,000	

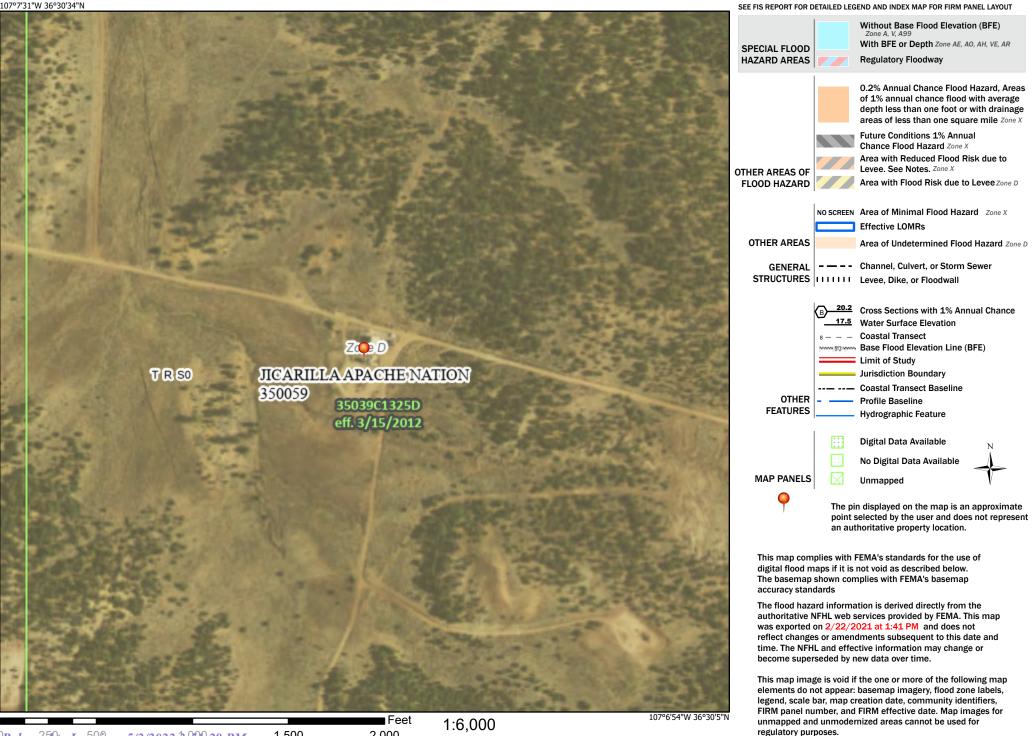
NMAC 19.15.29.12 Table I. Release Action Levels are determined by the depth below bottom of pit to groundwater.

Received by OCD: 3/23/2021 8:22:14 AM National Flood Hazard Layer FIRMette



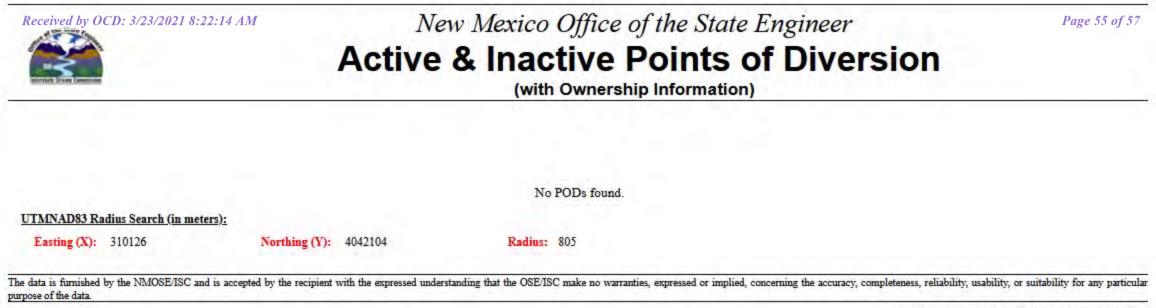
Legend

Page 54 of 57



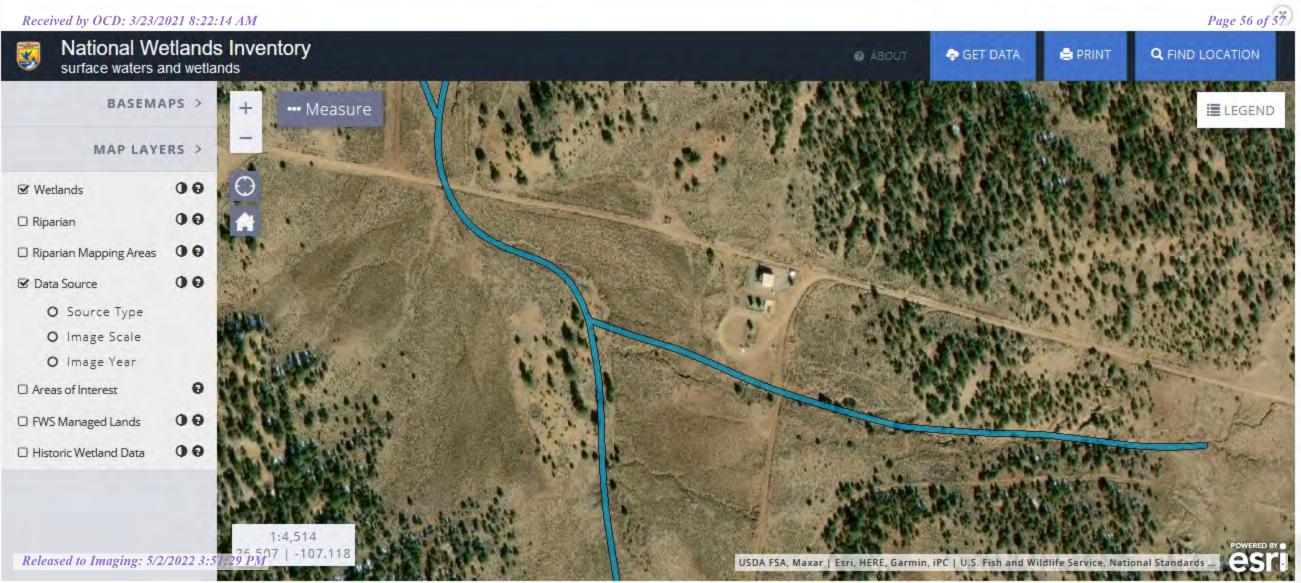
Release a Imaging: 5/2/2022 3.999.29 PM 1,500 2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



2) Released to Mmaging: 5/2/2022 3:51:29 PM

ACTIVE & INACTIVE POINTS OF DIVERSION



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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:	
Harvest Four Corners, LLC	373888	
1111 Travis Street	Action Number:	
Houston, TX 77002	21373	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	
	-	

CONDITIONS

Created By		Condition Date
nvelez	None	5/2/2022

Page 57 of 57

Action 21373