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	nAPP2103643602
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			1			
Responsible	Party Harve	est Midstream C	ompany	OGRID	373888	
Contact Name Monica Smith			Contact T	elephone 505-	632-4625	
Contact emai	il msmith	@harvestmidstre	eam.com	Incident #	(assigned by OCD)	nAPP2103643602
Contact mail	ing address	1755 Arroyo Dr.	, Bloomfield, NM			
			Location	of Release S	ource	
Latitude 36.	50544			Longitude	-107.12019	
			(NAD 83 in dec	imal degrees to 5 deci	mal places)	
Site Name T	runk E Facil	lity		Site Type	Compressor S	tation
Date Release	Discovered	12/9/2020 - 1 p	m	API# (if ap	plicable)	
Unit Letter	Section	Township	Range	Cou		-
D	11	26N	3W	Rio A	Arriba	
Sumfo oo Overmoo	Ctata	□ Fodomil ▼ Tm	ibal Private (I	A7).		
surface Owner	i. State	Jicari		vame):		
			Nature and	Volume of	Release	
	Materia	l(s) Released (Select al	I that annly and attach	calculations or specifi	c justification for the	volumes provided below)
Crude Oil		Volume Release		calculations of specifi	Volume Reco	
X Produced Water Volume Released (bbls) about 30)	Volume Reco	overed (bbls) about 30	
Is the concentration of total dissolved so			ved solids (TDS)	Yes X N	o	
∇ a 1			water >10,000 mg/		17.1 D	1.411.)
X Condensate Volume Released (bbls) about 92			Volume Reco			
Natural Gas Volume Released (Mcf)			Volume Reco	vered (Mcf)		
Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weig	ght Recovered (provide units)
Cause of Rele	ase					
A gacket fail	ad an ana	of the valves alle	wing the 122 hb	ls of liquid to lo	ak into the cont	tainment. The leak has been repaire
ת gasket idli	eu on one	or the valves allo	MAINE TIE TEE DO	is of fiquid to lea	אל ווונט נוופ נטווו	animent. The leak has been repaire

State of New Mexico Oil Conservation Division

Incident ID	nAPP2103643602
District RP	
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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? NMAC
19.15.29.7(A) NMAC?	19.15.29.7(A1): an unauthorized release of liquids exceeding 25 bbls
X Yes □ No	
If VEC was immediate.	notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Notice provided via el	ectronic mail by Kijun Hong to Cory Smith and Jim Griswold of NMOCD on Dec. 10, 2020 10:33 AM
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
X The source of the rele	ease has been stopped.
X The impacted area has	s been secured to protect human health and the environment.
X Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
X All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	l above have <u>not</u> been undertaken, explain why:
	······································
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are republic health or the environme failed to adequately investigated	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger tent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have tet and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Kijun Hon	Title: Environmental Specialist
Signature:	Date: <u>A/8/207</u>
email: khong@harvestm	idstream.com Telephone: 505-632-4475
OCD Only	
Received by:	Date:

State of New Mexico Oil Conservation Division

Incident ID	nAPP2103643602
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	50 to 100 (ft bgs)	
Did this release impact groundwater or surface water?	Yes X 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 X 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 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?	Yes X No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes X 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil	
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well. Field data	ls.	
Data table of soil contaminant concentration data		
Data table of soft contaminant concentration data Depth to water determination		
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release		
X Boring or excavation logs		
Photographs including date and GIS information	***************************************	
 X Topographic/Aerial maps X Laboratory data including chain of custody 		
my Europeanty data increasing chain or cubicay	i	

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 teclinique, 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	nAPP2103643602
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by failed to adequately investigate and remediate contamination that pose a	the best of my knowledge and understand that pursuant to OCD rules and enotifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have a threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws
Printed Name: Kijun Hong, Signature:	Title: Environmental Specialist Date: 3 / (8 / 202)
Email: khong@harvestmidstream.com	Telephone: 505-632-4475
OCD Only	
Received by:	Date:

State of New Mexico Oil Conservation Division

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

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.

LA A scaled site and sa	mpling diagram as described in l	19.15,29.11 NMAC	
Photographs of the must be notified 2 days	remediated site prior to backfill or prior to liner inspection)	or photos of the liner integr	rity if applicable (Note: appropriate OCD District office
X Laboratory analyses	s of fiual sampling (Note: approp	riate ODC District office n	nust be notified 2 days prior to final sampling)
X Description of reme	diation activities		
and regulations all operat may endanger public hea should their operations ha human health or the envir compliance with any other restore, reclaim, and re-ve	ors are required to report and/or lefth or the environment. The acce ave failed to adequately investiga conment. In addition, OCD acceptor federal, state, or local laws and egetate the impacted surface area	file certain release notificate phance of a C-141 report by the and remediate contamination of a C-141 report do lor regulations. The responsito the conditions that exist	ny knowledge and understand that pursuant to OCD rules tions and perform corrective actions for releases which by the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, we not relieve the operator of responsibility for a not relieve the operator of liability at the operator of responsibility for a not relieve the operator of r
Printed Name: Kilun Hor Signature: Email: khong@harvest		Title: Environmental S Date: 3/16 Telephone: 505-632	12021
	 -		· · · · · · · · · · · · · · · · · · ·
OCD Only			
Received by:		Date:	<u> </u>
remediate contamination		, surface water, human heal	I their operations have failed to adequately investigate and th, or the environment uor does not relieve the responsible
Closure Approved by:	Nelson Velez	Date:	05/02/2022
Printed Name:	Nelson Velez		Environmental Specialist – Adv
····		***************************************	



March 9, 2021

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

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

Trunk E Release Excavation Clearance Report March 9, 2021 Page 2 of 4

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.

Trunk E Release Excavation Clearance Report March 9, 2021 Page 3 of 4

3.2 Laboratory Analyses

The samples collected for laboratory analysis were placed into new, clean, laboratory-supplied 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 J. Reese

Environmental Scientist

Elizabeth V McNolly

David of Reme

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

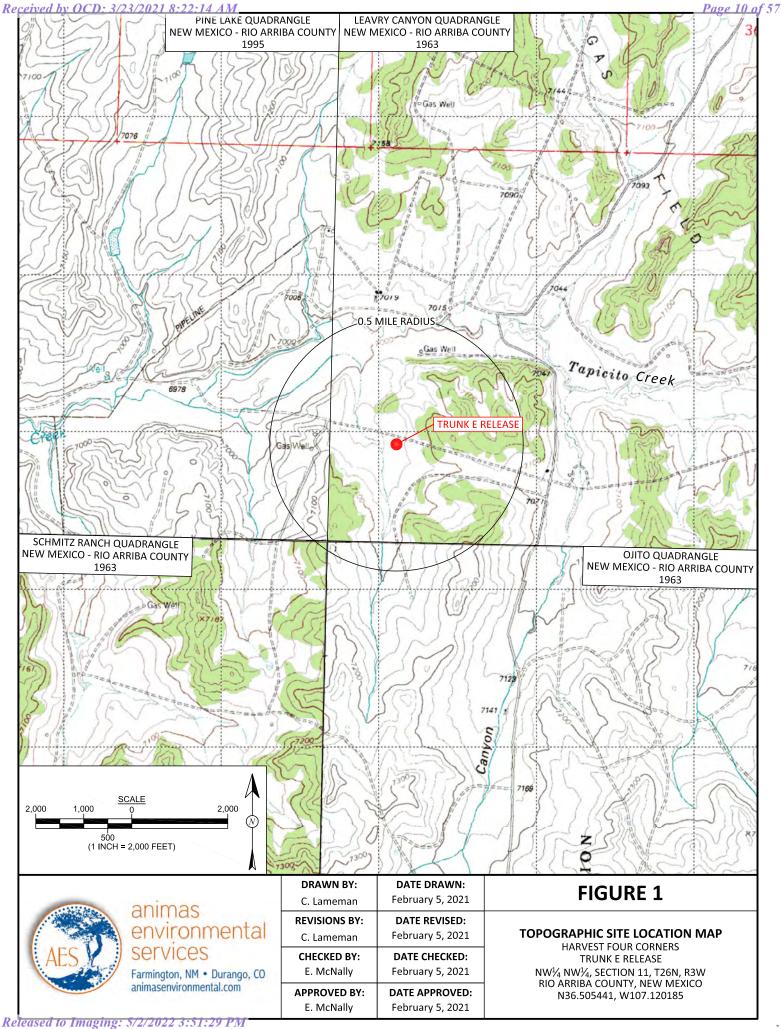
Email: khong@harvestmidstream.com

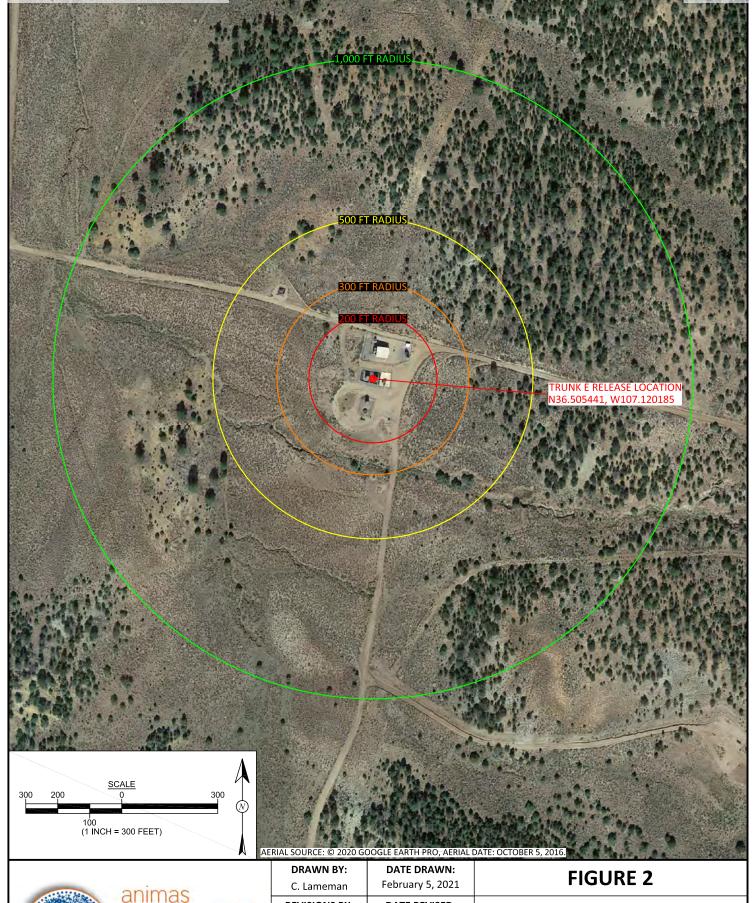
Tamara Faust and Sherrie Landon Bureau of Land Management Farmington Field Office 6251 College Blvd., Suite A

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

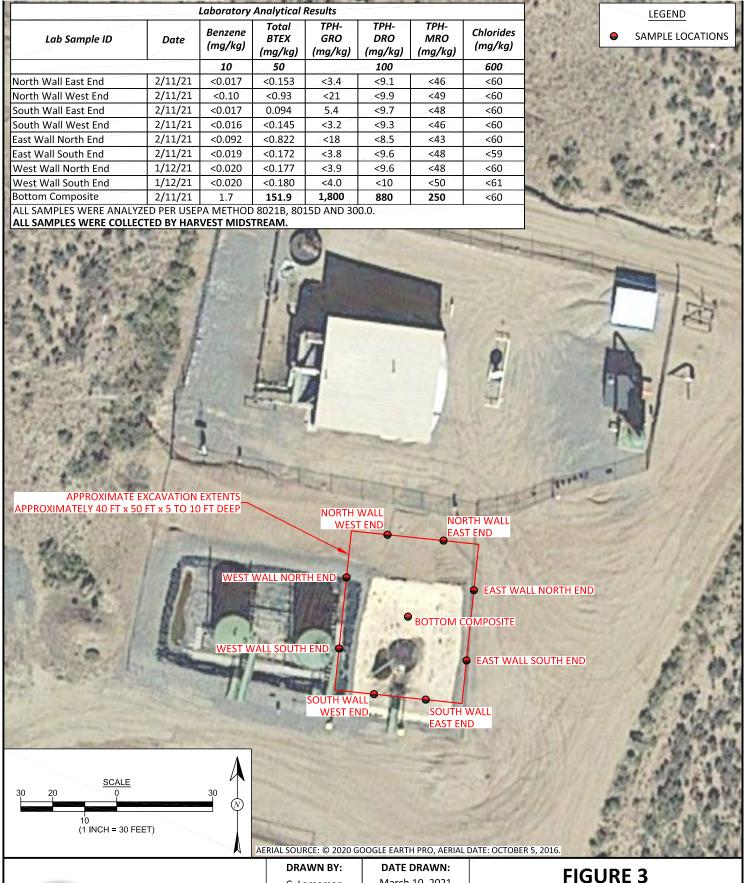






DRAWN BY:	DATE DRAWN:
C. Lameman	February 5, 2021
REVISIONS BY:	DATE REVISED:
C. Lameman	February 5, 2021
CHECKED BY:	DATE CHECKED:
E. McNally	February 5, 2021
APPROVED BY:	DATE APPROVED:
E. McNally	February 5, 2021

AERIAL SITE LOCATION MAP HARVEST FOUR CORNERS TRUNK E RELEASE NW¼ NW¼, SECTION 11, T26N, R3W RIO ARRIBA COUNTY, NEW MEXICO N36.505441, W107.120185





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:

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

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.

P. t. S. Removed East East well 500th 10 ed East. end 302 pp 5. peel N 25' 5 South wall North west FNd Wolf west ENd west well 400 ENS North. cal 4" didnit Janfleins 40 X50 X



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

OrderNo.: 2101453

January 14, 2021

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL:

FAX:

RE: Trunk E Tank Phase 1

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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: North Wall East EndProject:Trunk E Tank Phase 1Collection Date: 1/12/2021 12:40:00 PMLab ID:2101453-001Matrix: 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 10:47:12 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS					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

Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: North Wall West EndProject:Trunk E Tank Phase 1Collection Date: 1/12/2021 12:50:00 PMLab ID:2101453-002Matrix: 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 ORGA	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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- 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 12

Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: West Wall North EndProject:Trunk E Tank Phase 1Collection Date: 1/12/2021 1:00:00 PMLab ID:2101453-003Matrix: 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 ORGA	ANICS				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

- 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

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Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

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					Analyst	VP
Chloride	ND	61	mg/Kg	20	1/13/2021 11:24:25 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	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					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/13/2021 10:18:33 AM	G74590
Surr: BFB	101	75.3-105	%Rec	1	1/13/2021 10:18:33 AM	G74590
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.020	mg/Kg	1	1/13/2021 10:18:33 AM	B74590
Toluene	ND	0.040	mg/Kg	1	1/13/2021 10:18:33 AM	B74590
Ethylbenzene	ND	0.040	mg/Kg	1	1/13/2021 10:18:33 AM	B74590
Xylenes, Total	ND	0.080	mg/Kg	1	1/13/2021 10:18:33 AM	B74590
Surr: 4-Bromofluorobenzene	99.1	80-120	%Rec	1	1/13/2021 10:18:33 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

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Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HarvestClient Sample ID: South Wall West EndProject: Trunk E Tank Phase 1Collection Date: 1/12/2021 1:15:00 PMLab ID: 2101453-005Matrix: 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 AM	57517
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/13/2021 10:15:04 AM	57514
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/13/2021 10:15:04 AM	57514
Surr: DNOP	101	30.4-154		%Rec	1	1/13/2021 10:15:04 AM	57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	1/13/2021 10:42:10 AM	G74590
Surr: BFB	105	75.3-105	S	%Rec	1	1/13/2021 10:42:10 AM	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.019		mg/Kg	1	1/13/2021 10:42:10 AM	B74590
Toluene	ND	0.039		mg/Kg	1	1/13/2021 10:42:10 AM	B74590
Ethylbenzene	ND	0.039		mg/Kg	1	1/13/2021 10:42:10 AM	B74590
Xylenes, Total	ND	0.077		mg/Kg	1	1/13/2021 10:42:10 AM	B74590
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	1/13/2021 10:42:10 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

- 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

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Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: South Wall East EndProject:Trunk E Tank Phase 1Collection Date: 1/12/2021 1:30:00 PMLab ID:2101453-006Matrix: 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 ORGA	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
- 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

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Date Reported: 1/14/2021

Hall Environmental Analysis Laboratory, Inc.

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	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 AM	57514
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	1/13/2021 10:11:04 AM	57514
Surr: DNOP	101	30.4-154		%Rec	1	1/13/2021 10:11:04 AM	57514
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	830	21		mg/Kg	5	1/13/2021 11:29:17 AM	G74590
Surr: BFB	669	75.3-105	S	%Rec	5	1/13/2021 11:29:17 AM	G74590
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.21	0.10		mg/Kg	5	1/13/2021 11:29:17 AM	B74590
Toluene	11	0.21		mg/Kg	5	1/13/2021 11:29:17 AM	B74590
Ethylbenzene	4.2	0.21		mg/Kg	5	1/13/2021 11:29:17 AM	B74590
Xylenes, Total	49	0.41		mg/Kg	5	1/13/2021 11:29:17 AM	B74590
Surr: 4-Bromofluorobenzene	131	80-120	S	%Rec	5	1/13/2021 11:29:17 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2101453** *14-Jan-21*

Client: Harvest

Project: Trunk E Tank Phase 1

Sample ID: MB-57517 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 57517 RunNo: 74587

Prep Date: 1/13/2021 Analysis Date: 1/13/2021 SeqNo: 2633298 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-57517 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 57517 RunNo: 74587

Prep Date: 1/13/2021 Analysis Date: 1/13/2021 SeqNo: 2633299 Units: mg/Kg

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:

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

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OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2101453**

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 Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.2 10.00 92.1 30.4 154

Sample ID: LCS-57514 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 57514 Client ID: LCSS RunNo: 74586 Analysis Date: 1/13/2021 Units: mg/Kg Prep Date: 1/13/2021 SeqNo: 2632831 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 44 10 50.00 n 87.1 68.9 141 Surr: DNOP 5.000 86.1 4.3 30.4 154

Sample ID: LCS-57446 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 57446 RunNo: 74564 Prep Date: 1/11/2021 SeqNo: 2633015 Analysis Date: 1/12/2021 Units: %Rec %REC %RPD **RPDLimit** Result PQL Qual

 Analyte
 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit

 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2101453**

14-Jan-21

Client: Harvest

Project: Trunk E Tank Phase 1

Sample ID: 2101453-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: North Wall East End Batch ID: 57514 RunNo: 74564

Prep Date: 1/13/2021 Analysis Date: 1/13/2021 SeqNo: 2633885 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 12.26 51 9.1 45.37 85.2 15 184

Surr: DNOP 4.5 4.537 12.26 65.2 15 164

Sample ID: 2101453-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: North Wall East End Batch ID: 57514 RunNo: 74564

Prep Date: 1/13/2021 Analysis Date: 1/13/2021 SeqNo: 2633886 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 54 23.9 10 49.75 12.26 83.9 15 184 5.91 Surr: DNOP 4.8 4.975 96.9 30.4 0 154 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 Quantitative 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

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OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2101453 14-Jan-21

WO#:

Client: Harvest

Project: Trunk E Tank Phase 1

Sample ID: mb1 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: G74590 RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633391 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 101 75.3 105

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: G74590 RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633401 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 72.5 24 5.0 25.00 O 97.2 106

Surr: BFB 1100 1000 114 75.3 105 S

Sample ID: 2101453-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: North Wall East End Batch ID: G74590 RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633409 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 26 3.4 17.16 6.850 110 61.3 114 Surr: BFB S 960 686.3 140 75.3 105

Sample ID: 2101453-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: North Wall East End Batch ID: G74590 RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633410 Units: mq/Kq

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 25 3.4 17.16 6.850 106 61.3 2.41 114 20 Surr: BFB 970 686.3 141 75.3 105 0 0 S

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 11 of 12

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2101453

14-Jan-21

Client: Harvest

Project: Trunk E Tank Phase 1

Sample ID: mb1 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: **B74590** RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633446 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result HighLimit Qual

Benzene ND 0.025 Toluene ND 0.050 0.050 Ethylbenzene ND Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.0 1.000 101 80 120

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: **B74590** RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeaNo: 2633447 Units: ma/Ka

Flep Date.	Allalysis	Jale. II	13/2021		eqivo. Zi	033447	Office. Hig/K	y		
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-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: 2101453-002ams SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: North Wall West En Batch ID: **B74590** RunNo: 74590

Prep Date: Analysis Date: 1/13/2021 SeqNo: 2633455 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.11 4.545 97.0 76.3 4.4 120 Benzene n Toluene 4.5 0.23 4.545 0.05045 97.4 78.5 120 Ethylbenzene 0.23 78.1 4.5 4.545 0 98.7 124 Xylenes, Total 13 0.45 13.64 0.09727 97.7 79.3 125

TestCode: EPA Method 8021B: Volatiles Sample ID: 2101453-002amsd SampType: MSD

4.545

North Wall West En Batch ID: **B74590** RunNo: 74590 Client ID:

4.9

Prep Date:	Analysis D	Date: 1/	13/2021	S	SeqNo: 2	633456	Units: mg/K	s: mg/Kg				
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-Bromofluorobenzene	5.0		4.545		110	80	120	0	0			

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

108

80

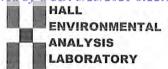
120

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 12 of 12



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Harvest Work Order Number: 2101453 RcptNo: 1 flansing) Received By: Juan Rojas 1/13/2021 8:10:00 AM Completed By: **Emily Mocho** 1/13/2021 8:13:34 AM Reviewed By: 'S 1/13/21 Chain of Custody 1. Is Chain of Custody complete? Yes V No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes V No 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 5. Sample(s) in proper container(s)? Yes V No L 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗌 No V 8. Was preservative added to bottles? Yes NA L NA V 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 Yes No V 10. Were any sample containers received broken? Yes # of preserved bottles checked Yes V for pH: 11. Does paperwork match bottle labels? No 🗌 (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 13. Is it clear what analyses were requested? Yes V No 🗌 Checked by: 12 1132 No 🗌 14. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes NA V No L 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 1.2 Good Yes

Recei	ved b	y 00	CD: 3	/23/	202	1	8:22	2:14	Al	1 (1	/ 1C	(X (Səlddu8 riA				100	-			-1-	Page 31 of
STATE OF THE PROPERTY OF THE P	ANAL SINTENIAL ANALYSTS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis			S'*(Э -	10°5300000000000000000000000000000000000	.40 28 7, ₆ C	on o o o o o o o o o o o o o o o o o o	Hothological Methological Metho	×	×	×	×			*		Time: Relinquished by: The control of this possibility And substantial and the analytical and the analytical and the analytical and the analytical analytical and the analytical analyti
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Time: Scm c day	☑ Rush	: Phase#1	TONK				ger:		Hong	organ Killion	⊟Yes □ No	perature: 1,7-0 = 1,2	Preservative HEAL No. ZIO1453	100 109)		200	hoo	500	900	100		Date Time $ \int \Delta \Delta d \frac{1/z / z_i}{Date} = Time $ Date Time Tracilled laboratories This serves as notice of this
Turn-Around Time:	□ Standard	Project Name:	TRUNKE	Project #:			Project Manager:		KILLE	Sampler: Mo	On Ice: Pres	Sample Temperature:	Container Type and #	1-402	707-1	1-402	704-1	1-402	1-402	1-402		Received by: Received by:
Chain-of-Custody Record	est Midstream		1755 ARROYD DR	1d Nm	680	2	(hong @ Havestmidster.com		☐ Level 4 (Full Validation)		□ Other		Matrix Sample Request ID	12.40 Soil North Wall	Soil west wall	Soil westwall End	7	Soil South 4266	Soil South Wall	Soil Bottom P.		Relinquished by: Relinquished by: Relinquished by: Samples submitted to Hall Environmental may be subtraction.
Chain-	Client: Harvest		Builing Address:	Bloomail	Dhone #: CXC	110116 #. 303	email or Fax#: K	QA/QC Package:	☐ Standard	Accreditation	□ NELAP	□ EDD (Type)	Date Time	12/21 12:40	12/21 12/50	00:1 K/C1	12/21 1:05	13/21 1:15	1130	0:2 R/2/14		Date: Time: Date: Time: $\sqrt{ \lambda } \lambda = \sqrt{ \lambda } = \sqrt{ \lambda } \lambda = \sqrt{ \lambda } $



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

February 16, 2021

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Trunk E Tanks II OrderNo.: 2102649

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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: North Wall East EndProject:Trunk E Tanks IICollection Date: 2/11/2021 10:30:00 AMLab ID:2102649-001Matrix: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 10:02:11 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	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					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	2/12/2021 10:29:22 AM	58071
Surr: BFB	99.2	75.3-105	%Rec	1	2/12/2021 10:29:22 AM	58071
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.017	mg/Kg	1	2/12/2021 10:29:22 AM	58071
Toluene	ND	0.034	mg/Kg	1	2/12/2021 10:29:22 AM	58071
Ethylbenzene	ND	0.034	mg/Kg	1	2/12/2021 10:29:22 AM	58071
Xylenes, Total	ND	0.068	mg/Kg	1	2/12/2021 10:29:22 AM	58071
Surr: 4-Bromofluorobenzene	95.7	80-120	%Rec	1	2/12/2021 10:29:22 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 1 of 11

Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: North Wall West EndProject:Trunk E Tanks IICollection Date: 2/11/2021 10:40:00 AMLab ID:2102649-002Matrix: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 10:14:36 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	mb
Diesel Range 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: DNOP	121	70-130	%Rec	1	2/12/2021 9:42:29 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	21	mg/Kg	5	2/12/2021 10:53:06 AM	58071
Surr: BFB	105	75.3-105	%Rec	5	2/12/2021 10:53:06 AM	58071
EPA METHOD 8021B: VOLATILES					Analyst	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 AM	58071
Ethylbenzene	ND	0.21	mg/Kg	5	2/12/2021 10:53:06 AM	58071
Xylenes, Total	ND	0.41	mg/Kg	5	2/12/2021 10:53:06 AM	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

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Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: South Wall East EndProject:Trunk E Tanks IICollection Date: 2/11/2021 10:50:00 AMLab ID:2102649-003Matrix: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 ORG	ANICS				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

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

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Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:HarvestClient Sample ID: South Wall West EndProject:Trunk E Tanks IICollection Date: 2/11/2021 11:00:00 AMLab ID:2102649-004Matrix: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 10:39:24 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/12/2021 10:01:31 AM	58079
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/12/2021 10:01:31 AM	58079
Surr: DNOP	124	70-130	%Rec	1	2/12/2021 10:01:31 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	2/12/2021 11:40:24 AM	58071
Surr: BFB	103	75.3-105	%Rec	1	2/12/2021 11:40:24 AM	58071
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	2/12/2021 11:40:24 AM	58071
Toluene	ND	0.032	mg/Kg	1	2/12/2021 11:40:24 AM	58071
Ethylbenzene	ND	0.032	mg/Kg	1	2/12/2021 11:40:24 AM	58071
Xylenes, Total	ND	0.065	mg/Kg	1	2/12/2021 11:40:24 AM	58071
Surr: 4-Bromofluorobenzene	97.5	80-120	%Rec	1	2/12/2021 11:40:24 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

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Analytical Report Lab Order 2102649

Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HarvestClient Sample ID: East Wall North EndProject: Trunk E Tanks IICollection Date: 2/11/2021 11:10:00 AMLab ID: 2102649-005Matrix: 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 10:51:49 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	2/12/2021 10:11:05 AM	58079
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/12/2021 10:11:05 AM	58079
Surr: DNOP	119	70-130	%Rec	1	2/12/2021 10:11:05 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	2/12/2021 12:03:48 PM	58071
Surr: BFB	104	75.3-105	%Rec	5	2/12/2021 12:03:48 PM	58071
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.092	mg/Kg	5	2/12/2021 12:03:48 PM	58071
Toluene	ND	0.18	mg/Kg	5	2/12/2021 12:03:48 PM	58071
Ethylbenzene	ND	0.18	mg/Kg	5	2/12/2021 12:03:48 PM	58071
Xylenes, Total	ND	0.37	mg/Kg	5	2/12/2021 12:03:48 PM	58071
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	5	2/12/2021 12:03:48 PM	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

- 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

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Analytical Report Lab Order 2102649

Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: East Wall South End

Project: Trunk E Tanks II Collection Date: 2/11/2021 11:20:00 AM

Lab ID: 2102649-006 Matrix: 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	59	mg/Kg	20	2/12/2021 11:04:14 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/12/2021 10:20:39 AM	58079
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/12/2021 10:20:39 AM	58079
Surr: DNOP	119	70-130	%Rec	1	2/12/2021 10:20:39 AM	58079
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	2/12/2021 12:27:14 PM	58071
Surr: BFB	101	75.3-105	%Rec	1	2/12/2021 12:27:14 PM	58071
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	2/12/2021 12:27:14 PM	58071
Toluene	ND	0.038	mg/Kg	1	2/12/2021 12:27:14 PM	58071
Ethylbenzene	ND	0.038	mg/Kg	1	2/12/2021 12:27:14 PM	58071
Xylenes, Total	ND	0.077	mg/Kg	1	2/12/2021 12:27:14 PM	58071
Surr: 4-Bromofluorobenzene	97.4	80-120	%Rec	1	2/12/2021 12:27:14 PM	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

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Analytical Report Lab Order 2102649

Date Reported: 2/16/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Bottom Composite

Project: Trunk E Tanks II
Collection Date: 2/11/2021 11:30:00 AM

Lab ID: 2102649-007
Matrix: 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 11:16:38 AM	58082
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	mb
Diesel Range Organics (DRO)	880	9.4		mg/Kg	1	2/12/2021 10:30:15 AM	58079
Motor Oil Range Organics (MRO)	250	47		mg/Kg	1	2/12/2021 10:30:15 AM	58079
Surr: DNOP	125	70-130		%Rec	1	2/12/2021 10:30:15 AM	58079
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	1800	71		mg/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		mg/Kg	20	2/12/2021 9:18:37 AM	58071
Toluene	41	0.71		mg/Kg	20	2/12/2021 9:18:37 AM	58071
Ethylbenzene	9.2	0.71		mg/Kg	20	2/12/2021 9:18:37 AM	58071
Xylenes, Total	100	1.4		mg/Kg	20	2/12/2021 9:18:37 AM	58071
Surr: 4-Bromofluorobenzene	111	80-120		%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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2102649**

16-Feb-21

Client: Harvest

Project: Trunk E Tanks II

Sample ID: MB-58082 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 58082 RunNo: 75256

Prep Date: 2/12/2021 Analysis Date: 2/12/2021 SeqNo: 2658946 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-58082 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 58082 RunNo: 75256

Prep Date: 2/12/2021 Analysis Date: 2/12/2021 SeqNo: 2658948 Units: mg/Kg

Analyte Result PQL 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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

2102649 16-Feb-21

WO#:

Client: Harvest

Sample ID: LCS-58079

Project: Trunk E Tanks II

Sample ID: MB-58079	SampT	уре: МЕ	BLK	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 580	079	F	tunNo: 7	5248				
Prep Date: 2/12/2021	Analysis D	ate: 2/	12/2021	S	eqNo: 26	657628	Units: mg/K	ίg		
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	13		10.00		133	70	130			S

								_	-	
Client ID: LCSS	Batch	ID: 58 0	079	F	RunNo: 7	5248				
Prep Date: 2/12/2021	Analysis D	ate: 2/	12/2021	S	SeqNo: 20	657629	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.8	68.9	141			
Surr: DNOP	5.4		5.000		109	70	130			

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID: MB-58085	SampType:	MBLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics		
Client ID: PBS	Batch ID:	58085	F	RunNo: 7	5248					
Prep Date: 2/12/2021	Analysis Date:	2/12/2021	S	SeqNo: 20	658759	Units: %Rec	;			
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	13	10.00		132	70	130			S	

Sample ID: LCS-58085	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 58085	RunNo: 75248	
Prep Date: 2/12/2021	Analysis Date: 2/12/2021	SeqNo: 2658760	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	6.1 5.000	123 70	130

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2102649 16-Feb-21

WO#:

Client: Harvest

Project: Trunk E Tanks II

Sample ID: mb-58071 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 58071 RunNo: 75265

Prep Date: 2/11/2021 Analysis Date: 2/12/2021 SeqNo: 2658579 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 1000 1000 100 75.3 105

Sample ID: Ics-58071 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **LCSS** Batch ID: **58071** RunNo: **75265**

Prep Date: 2/11/2021 Analysis Date: 2/12/2021 SeqNo: 2658580 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 O 109 80 120 Surr: BFB 1100 S 1000 111 75.3 105

Sample ID: mb-58061 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 58061 RunNo: 75265

Prep Date: 2/11/2021 Analysis Date: 2/13/2021 SeqNo: 2658603 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: Ics-58061 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 58061 RunNo: 75265

Prep Date: 2/11/2021 Analysis Date: 2/12/2021 SegNo: 2658604 Units: %Rec

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1100 1000 75.3 Surr: BFB 113 105 S

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

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OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2102649**

16-Feb-21

Client: Harvest

Project: Trunk E Tanks II

Sample ID: mb-58071 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 58071 RunNo: 75265 Prep Date: 2/11/2021 Analysis Date: 2/12/2021 SeqNo: 2658632 Units: mq/Kq SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 0.050 Ethylbenzene ND Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.97 1.000 97.0 80 120

Sample ID: LCS-58071 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 58071 RunNo: 75265 Analysis Date: 2/12/2021 SeqNo: 2658633 Prep Date: 2/11/2021 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.000 0.94 0.025 0 93.9 80 120 Benzene Toluene 0.96 0.050 1.000 0 96.5 80 120 0 96.6 80 0.97 0.050 1.000 120 Ethylbenzene 0 95.6 Xylenes, Total 2.9 0.10 3.000 80 120 0.97 Surr: 4-Bromofluorobenzene 1.000 97.1 80 120

SampType: MBLK TestCode: EPA Method 8021B: Volatiles Sample ID: mb-58061 Client ID: PBS Batch ID: 58061 RunNo: 75265 Prep Date: 2/11/2021 Analysis Date: 2/13/2021 SeqNo: 2658656 Units: %Rec Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.95 1.000 95.4 Surr: 4-Bromofluorobenzene 80 120

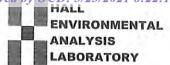
Sample ID: LCS-58061 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 58061 RunNo: 75265 SeqNo: 2658657 Prep Date: 2/11/2021 Analysis Date: 2/12/2021 Units: %Rec POL SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual Surr: 4-Bromofluorobenzene 0.99 1.000 98.7 80 120

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 11 of 11



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Client Name: Harvest	Work Order Num	ber: 210	2649		RcptNo: 1	
Received By: Desiree Dominguez	2/12/2021 7:30:00	AM		Tes		
Completed By: Cheyenne Cason	2/12/2021 7:52:05	AM				
Reviewed By: SPA 2-12-2		,,,,,				
Chain of Custody						
1. Is Chain of Custody complete?		Yes	~	No 🗌	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In						
3. Was an attempt made to cool the samples?		Yes	V	No 🗌	NA \square	
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes	~	No 🗌		
7. Are samples (except VOA and ONG) properly	preserved?	Yes	V	No 🗌		
8. Was preservative added to bottles?		Yes		No 🔽	NA 🗆	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any sample containers received broker	1?	Yes		No 🔽	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No 🗆	bottles checked for pH:	unless noted)
12. Are matrices correctly identified on Chain of C	sustody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes	V	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	V	No 🗌	Checked by:	e Zlizh
Special Handling (if applicable)						
15. Was client notified of all discrepancies with the	nis order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:					
By Whom:	Via:	☐ eMa	ail 🗍	Phone Fax	In Person	
Regarding:						
Client Instructions:						
16. Additional remarks:						
17. Cooler Information Cooler No Temp °C Condition Sea 1 1.8 Good Yes	al Intact Seal No	Seal Da	ate	Signed By		

Page 1 of 1

IALL ENVIRONMENTAL NALYSIS LABORATORY www.hallenvironmental.com ns NE - Albuquerque, NM 87109 5-3975 Fax 505-345-4107 Analysis Request	RCRA 8 Metals Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) 8081 Pesticides / 8082 PCB's 8250 (YOA) 8270 (Semi-VOA) CA Ao no (Semi-VOA) Air Bubbles (Y or N)	Page 45 Nover to some test of the sound of
### ANAL ANAL ANAL ANAUR ANAUR	BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO / DRO / MRO) TPH (Method 418.1) EDB (Method 504.1) PAH's (8310 or 8270 SIMS)	$\begin{array}{c c} \times & \times \\ \times & \times$
	BTEX + MTBE + TMB's (8021)	
Tanks I	Howg Yes D No returne: 1,8 -0. = 1.8 = Type HEAL No. Type	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
□ Standard Project Name: \[\tau \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Project Manager: Kijun Hong Sampler: Margan On Ice: Sample Temperature: Container Type and # Type	1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402 1-402
Client: Harvest Midstrem Mailing Address: 1255 ARBOYO DR Bloomfic 1d NM 87413 Phone #: 505-632, 4475	email or Fax#: Khond @hencsf Midstren Com OA/OC Package: Standard	South wall
5+ Midstern 1755 + ARBU D NM 879	nowd@h	50, 1 15, 50, 1 25, 50, 1 25,
Client: Hawest mid Mailing Address: 1255 Sloom Fic Id Num Phone #: 505 - 652.	Fax#: K/L ackage: dard cation AP (Type)	1630 1050 11.00 11.10 11.30 11.30 11.30 11.30
Client: Harve Client: Harve Bloom Fize Phone #: 505	email or Fax#: k QA/QC Package: Catandard Accreditation INELAP Catandard Accreditation Accreditation The Date Time	2-11-21 2-11-21 2-11-21 2-11-21 2-11-21 2-11-21 2-11-21 2-11-21 2-11-21 2-11-21

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>

Kijun Hong | 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

To: Kijun Hong; orsonharrison@jicarillaoga.com; kcmanwell@yahoo.com; "Hobson Sandoval"; "Jason Sandoval";

"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

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; orsonharrison@jicarillaoga.com; 'Smith, Cory, EMNRD'; kcmanwell@yahoo.com; '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: orsonharrison@jicarillaoga.com; '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

<ipruitt@harvestmidstream.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh
Ruybalid <truybalid@harvestmidstream.com>; Jim Stiffler@harvestmidstream.com>;

'McNally, Elizabeth' < emcnally@animasenvironmental.com >; '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: <u>orsonharrison@jicarillaoga.com</u> [<u>mailto:orsonharrison@jicarillaoga.com</u>]

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

To: Kijun Hong; 'Smith, Cory, EMNRD'; kcmanwell@yahoo.com; '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 < khong@harvestmidstream.com>

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 <msmith@harvestmidstream.com>; Kayleigh
Ruybalid <fracture the stream in the stream is stream in the strea

huyballu \<u>ti uyballu@ilaivestillusti eaili.coli</u>z, jiili Stillei \<u>jstillei @ilaivestillusti eaili.col</u>

McNally, Elizabeth < emcnally@animasenvironmental.com>; Karen Lupton

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

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; kcmanwell@yahoo.com; '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 < khong@harvestmidstream.com>

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

To: kcmanwell@yahoo.com; 'Hobson Sandoval' hsandoval2012@gmail.com; 'Orson Harrison' corsonharrison@jicarillaoga.com; 'Alfred Vigil'

<'alfredvigiljr@jicarillaoga.com'>; 'Kurt Sandoval' <<u>kurt.sandoval@bia.gov</u>>

Cc: Smith, Cory, EMNRD < Cory.Smith@state.nm.us >; 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>istiffler@harvestmidstream.com</u>>; McNally, Elizabeth

<emcnally@animasenvironmental.com>; Karen Lupton <klupton@animasenvironmental.com>;

Travis Jones < triones@harvestmidstream.com>

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, Remediation & Closure

Site Name: **Trunk E**

API #: not applicable

Lat/Long:	N36.50544 W107.13	2019							
TRS:	TRS: NW/NW-11-26N-3W								
Land Jurisdiction:	Tribal - Jicarilla								
		Rio Arriba							
Determination made by:		4							
		vi/Environmental S	cientist						
Date:	2/22/2021			J					
Wellhe	ad Protection Area	Assessment:							
Determine the horizontal distance from all known w water sources. Water sources are wells, springs or c those water sources used by less than five househol	ther sources of fresh v	water extraction. Priv	vate and domestic wo						
Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance					
none within 1/2 mile	,		<u> </u>						
Distance to Nearest S	ignificant Watercou	urse (NMAC 19.15.)	29.11A.4)						
unnamed blue-line wash is 460 ft west, it drain			,						
-	ater Determination	n (NMAC 19.15.29.1	11A.2)						
3 op.ii. to c. Suita		,							
Cathodic Report/Site Specific Hydrogeology	none available								
	tiny wash to west is	s 20 ft lower in elev	ation, Tapicito Cree	ek 0.42 mi to N					
Elevation Differential	is 70 ft lower in elev	vation							
Water Wells	no registered wells	within 1/2 mile							
Cathodic Report Nearby Wells	none available for r	nearby wells							
Sensitive Re	ceptor Determinati	ion							
*If a release occurs within the following areas,	the RP must treat th	ne release as if it oc	curred less than 50	Vos					
ft to Groundwater (NMAC 19.15.29.12C.4):				Yes					
<300' of any continuously flowing watercourse									
<200' of any lakebed, sinkhole or playa lake (m			^r Mark)						
<300' of an occupied permanent residence, sch	•								
<500' of a spring or private/domestic water we	II used by <5 house	holds for domestic	or stock watering						
purposes				_					
<1000' of any water well or spring	111.1	etete el Constantino	. II C . I . I	. ⊢					
within incorporated municipal boundaries or w	vithin a defined mur	nicipal fresh water	well field	. ⊢					
<300' of a wetland				. 님					
within the area overlying a subsurface mine within an unstable area				Ⅰ 님					
				1 H					
within a 100-year floodplain Explain any 'Yes' Marks:									
LAWIGHT GIV I ESTIVIGIAS.									
	umeet the criteria o	of a jurisdictional w	etland						
	v meet the criteria o	f a jurisdictional we	etland						
	v meet the criteria o	f a jurisdictional we	etland						
No mark - drainage 250' to south does not likely Actual Depth to Groundwater is:	≤50 □	50-100 🗌	>100 🗌						
No mark - drainage 250' to south does not likel	≤50 □	50-100 🗌							
No mark - drainage 250' to south does not likely Actual Depth to Groundwater is:	≤50 □	50-100 🗌	>100 🗌						
No mark - drainage 250' to south does not likely Actual Depth to Groundwater is:	≤50	50-100	>100 □ JICARILLA LAND						
No mark - drainage 250' to south does not likely Actual Depth to Groundwater is: *Treat Depth to Groundwat	≤50 □ er as if it's ≤ 50 ft? ≤50	50-100	>100 JICARILLA LAND >100						
No mark - drainage 250' to south does not likely Actual Depth to Groundwater is: *Treat Depth to Groundwater Release Action Levels are Benzene	≤50 □ er as if it's ≤ 50 ft? ≤50 10	50-100 ☐ Yes ☑ No ☐ 50-100 10	>100 JICARILLA LAND >100 10						
Actual Depth to Groundwater is: *Treat Depth to Groundwater Release Action Levels are Benzene BTEX (mg/kg)	≤50 ☐ er as if it's ≤ 50 ft? ≤50 10 50	50-100	>100						

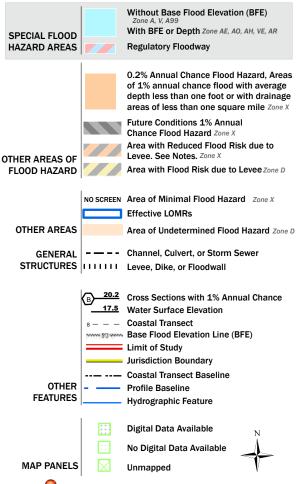
NMAC 19.15.29.12 Table I. Release Action Levels are determined by the depth below bottom of pit to groundwater.

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





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



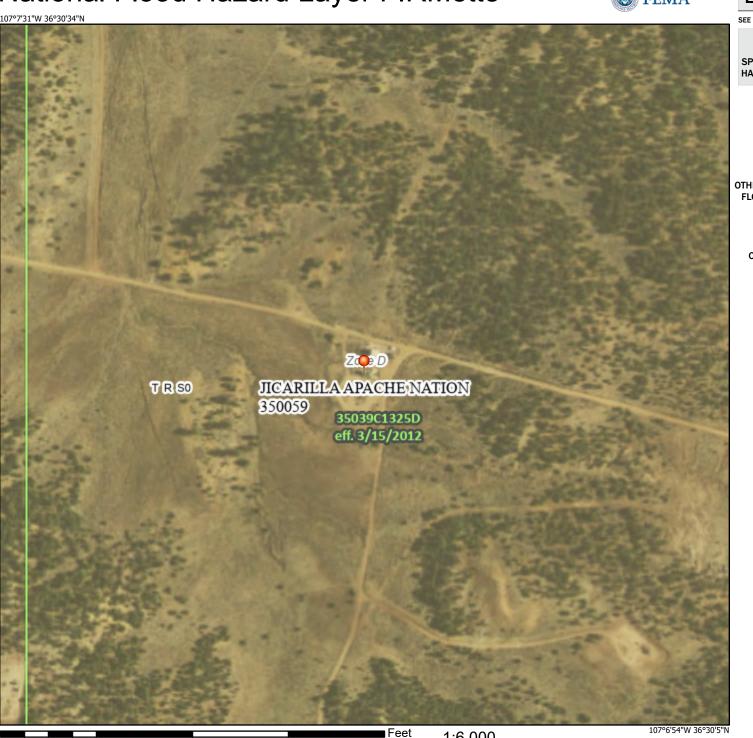
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/22/2021 at 1:41 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



2.000

New Mexico Office of the State Engineer

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Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found

UTMNAD83 Radius Search (in meters):

Easting (X): 310126

Northing (Y): 404210

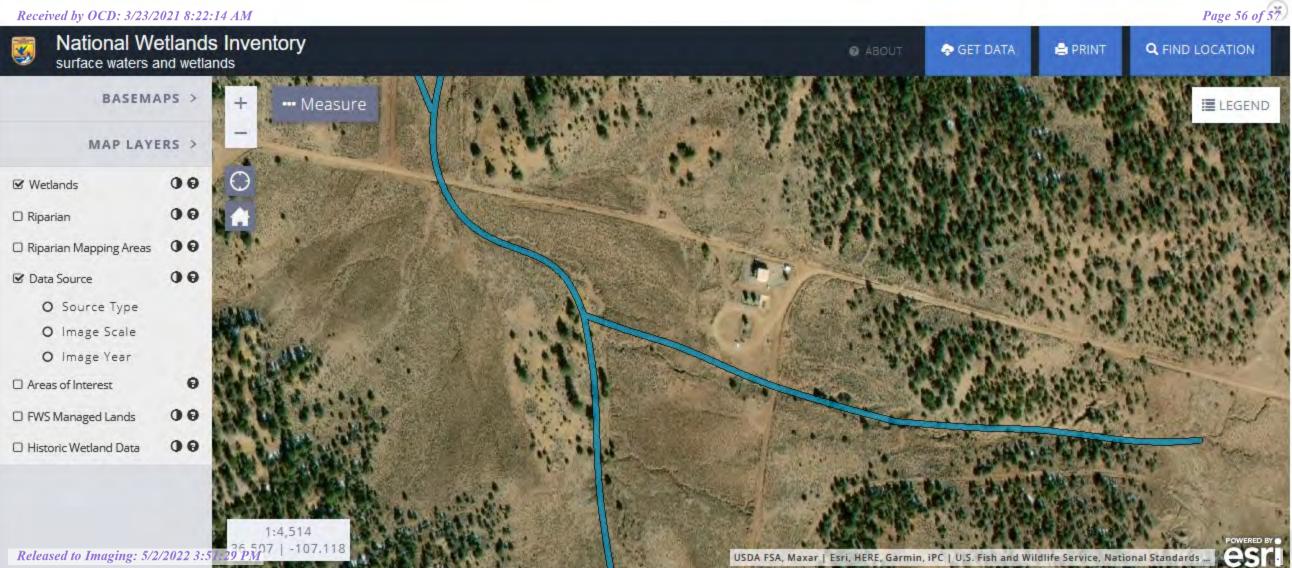
Radius: 805

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

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

ACTIVE & INACTIVE POINTS OF DIVERSION

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



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

District II

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

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21373

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