District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	
District RP	
Facility ID	
Application ID	

### **Release Notification**

### **Responsible Party**

Responsible Party: LM Energy, LLC	OGRID: 329097	
Contact Name: Greg Watson	Contact Telephone: 432.301.0066	
Contact email: glw@lmenergypartners.com     Incident # (assigned by OCD): nAPP2325559441		
Contact mailing address: 2850 N. Harwood, Suite 1050, Dallas, Texas, 75201		

### **Location of Release Source**

Latitude 32.623406

Longitude <u>-103.850231</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hackberry LACT	Site Type: Liquid Custody Transfer Point
Date Release Discovered: 8/7/2023	API# (if applicable):

Unit Letter	Section	Township	Range	County
Е	34	19S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name: LM Energy, LLC

### 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) 29	Volume Recovered (bbls) 29
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: At approximately 11:30 am on 8/7/2023 operations were onsite to prove the LACT. During the proving operation, the hose ruptured causing the crude oil release. Based on operational data ~29 bbl of crude oil was lost to the ground. Once the issue was identified the valve was closed completely, ending the release.

eceived by OCD: 9/27/202	State of New Mexico		Page 2 of
orm C-141		Incident ID	
age 2	Oil Conservation Division	District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible pa Maximum volume of the release (calculated by flo 25 bbl threshold.		
	otice given to the OCD? By whom? To whom? W ven by Grant McAfee (Resolute) to Mr. Mike Bratch	<b>i</b> u ,	

### **Initial Response**

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

 $\boxtimes$  The source of the release has been stopped.

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

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

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

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

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: Greg Watson	Title: <u>VP of Operations</u>		
Signature:	Date: <u>9/26/2023</u>		
email: <u>glw@lmenergypartners.co</u>	Telephone: <u>432-301-0066</u>		
OCD Only			
Received by:Scott Rodgers	Date:		

Form C-141	State of New Mexico		
Page 2	Oil Conservation Division	Incident ID	
		District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? Yes No	If YES, for what reason(s) does the responsible p Maximum volume of the release (calculated by f 25 bbl threshold.	party consider this a major release? low and pressure) is 29 barrels (bbl), and is greater than the	
2 - 192 - 1			
If YES, was immediate no	otice given to the OCD? By whom? To whom?	When and by what means (phone, email, etc)?	
Immediate notice was giv	was given by Grant McAfee (Resolute) to Mr. Mike Bratcher (OCD) via email on 8/8/2023 at 3:06 pm.		

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CD Only sceived by:		

Oil Conservation Division

Incident ID	
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Application ID	

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### Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

<b>Received by OCD: 9/27/</b> Form C-141	2023 12:00:19 AM State of New Mexico		Incident ID	Page 5 of 100
Page 4	Oil Conservation Divisio	n	District RP	
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regulations all operators a public health or the envir failed to adequately invest		notifications and perform co ne OCD does not relieve the threat to groundwater, surfa	orrective actions for rele e operator of liability sho ice water, human health liance with any other feo	eases which may endanger ould their operations have or the environment. In
OCD Only Received by: Scott F	Rodgers		7/2023	

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Signature	<u> </u>	Date: <u>9/26/2023</u>
email: glw@lmenergyp	artners co	Telephone: <u>432-301-0066</u>
cinan. <u>grwamenergy</u>		
OCD Only		
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Oil Conservation Division

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### **Remediation Plan**

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Page 5

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.		
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Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human heal	lth, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Greg Watson	Title: <u>VP of Operations</u>	
Signature:	Date: <u>9/26/2023</u>	
email: <u>glw@lmenergypartners.co</u>	Telephone: <u>432-301-0066</u>	
OCD Only		
Received by: Scott Rodgers	Date:09/27/2023	
Approved Approved with Attached Conditions of	of Approval Denied Deferral Approved	
Signature:	Date:	

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State of New Mexico Oil Conservation Division

Incident ID	
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Wetson	Title: <u>VP of Operations</u>	
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glw@lmenergypartners.co	Telephone: <u>432-301-0066</u>	
Only ved by:	Date:	Deferral Approved
pproved Approved with Attached Conditions o	f Approval Denied	
bite.	Date:	

Incident ID	
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Application ID	

### Closure

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

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following	items must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
Laboratory analyses of final sampling (Note: appropriate OD	Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
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Printed Name: Greg Watson	Title: <u>VP of Operations</u>	
Signature:	Date: <u>9/26/2023</u>	
email: glw@lmenergypartners.co	Telephone: <u>432-301-0066</u>	
OCD Only		
Received by:	09/27/2023 Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	

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

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Title: VP of Operations Printed Name: Greg Watson Date: 9/26/2023 Signature Telephone: 432-301-0066 email: glw@lmenergypartners.co **OCD Only** Date: Received by:

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Closure Approved by:	Date:
rinted Name:	Title:



September 26, 2023

State of New Mexico Oil Conservation Division District II - Artesia 811 S. First St., Artesia, NM 88210

RE: LM Touchdown, LLC Spill Closure Request for Hackberry LACT Location, Eddy County, New Mexico

To Whom it May Concern,

Resolute Compliance, LLC (Resolute) is writing you on behalf of LM Touchdown, LLC (LM) regarding a spill that occurred at their Hackberry LACT location in Eddy County, New Mexico.

LM is requesting concurrence on the closure of the spill after final soil sampling and excavation activities. Please see details of the remediation plan and final remediation plan herein.

### **Remediation Plan**

Following the discovery of the spill, initial excavation was completed to what was expected to be clean soil. Confirmation sampling was conducted in the initial excavation area on 8/11/23. Areas where detection limits were above clean up criteria further excavation was completed. A second round of sampling was completed in the areas where further excavation was required on 8/18/23. All sample locations were below clean up criteria after the second round of excavation and confirmation sampling.

#### Excavation and Disposal

Excavation and disposal of oil impacted soils were conducted with a combination of mechanical and hand digging. Hand digging was conducted around active piping so as to not disturb an operational tank system and pump equipment.

All oil impacted soils were removed from the site and shipped as exploration and production exempt waste to the nearby R360 Environmental Solutions in Hobbs, New Mexico.



115 FM 2453, Suite A Royse City, TX 75189 (972) 842-4301 www.ResoluteCompliance.com



### Closure

The second round of sampling for closure occurred on August 18, 2023. The results of the sampling indicated all sampled areas were below cleanup criteria.

Under NMAC 19.15.29, the worst case scenario of less than or equal to 50 feet was utilized to determine closure criteria for soils impact by the release (Table I).

Should you require any further information regarding the initial incident, or the follow-up actions taken by LM, please don't hesitate to reach out directly to me by phone at 972.842.4304 or via email at jj@resolutecompliance.com

Kind regards,

Jeff Jackson

Vice President of EHSR

Encl: Completed C-141 Report

Attachment A - Figures Aerial Map Determination of Water Sources Map Scaled Site Map

Attachment B – Samples and Analyses Analytical Results Summary Analytical Reports

Attachment C – Field Data Release Photo Logs Filed Notes



115 FM 2453, Suite A Royse City, TX 75189 (972) 842-4301 www.ResoluteCompliance.com 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

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Incident ID	
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### **Release Notification**

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Responsible Party: LM Energy, LLC	OGRID: 329097
Contact Name: Greg Watson	Contact Telephone: 432.301.0066
Contact email: glw@lmenergypartners.com	Incident # (assigned by OCD): nAPP2325559441
Contact mailing address: 2850 N. Harwood, Suite 1050, Dallas, Texas, 75201	

### **Location of Release Source**

Latitude 32.623406

Longitude <u>-103.850231</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hackberry LACT	Site Type: Liquid Custody Transfer Point
Date Release Discovered: 8/7/2023	API# (if applicable):

Unit Letter	Section	Township	Range	County
Е	34	19S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name: LM Energy, LLC

### 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) 29	Volume Recovered (bbls) 29
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: At approximately 11:30 am on 8/7/2023 operations were onsite to prove the LACT. During the proving operation, the hose ruptured causing the crude oil release. Based on operational data ~29 bbl of crude oil was lost to the ground. Once the issue was identified the valve was closed completely, ending the release.

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CD Only sceived by:		

Oil Conservation Division

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### Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 9/27/2023	12:00:19 AM State of New Mexico			Page 17 of 100
			Incident ID	
Page 4	Oil Conservation Divisio	n	District RP	
			Facility ID	
			Application ID	
regulations all operators are req public health or the environmer failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: <u>Greg Watson</u>	ation given above is true and complete to uired to report and/or file certain release at. The acceptance of a C-141 report by the and remediate contamination that pose a C-141 report does not relieve the operato	notifications and perform co he OCD does not relieve the threat to groundwater, surfa r of responsibility for compl Title: <u>VP of Operation</u>	prrective actions for rele e operator of liability sh- ce water, human health liance with any other fea	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Signature:		Date: <u>9/26/2023</u>	_	
email: <u>glw@lmenergypartne</u>	ers.co	Telephone: <u>432-301-0</u>	066	
OCD Only Received by:		Date:		

Received by OCD: 9/27/2023 12:00:19 AM

Form C-141 Page 4	State of New Mexico Oil Conservation Division	Di Fa	cident ID strict RP cility ID pplication ID
regulations all operators are rec public health or the environmen failed to adequately investigate	ation given above is true and complete to the puired to report and/or file certain release no nt. The acceptance of a C-141 report by the and remediate contamination that pose a th C-141 report does not relieve the operator of	tifications and perform correc OCD does not relieve the ope reat to groundwater, surface w	tive actions for releases which may endanger rator of liability should their operations have vater, human health or the environment. In
Printed Name: Greg Watson		Title: VP of Operations	· · · · · · · · · · · · · · · · · · ·
Signature: Seg h	to	Date: <u>9/26/2023</u>	
email: glw@lmenergypartne	75.00	Telephone: <u>432-301-006</u>	6
eman, grw(@imenergypartic	<u>15.00</u>	1000p1010. <u>-192 901 000</u>	
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Received by OCD: 9/27/2023 12:00:19 AM Form C-141 State of New Mexico

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### **Remediation Plan**

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<b>Deferral Requests Only:</b> Each of the following items must be co	onfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around deconstruction.	production equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human heal	th, the environment, or groundwater.
rules and regulations all operators are required to report and/or file	D acceptance of a C-141 report does not relieve the operator of
Printed Name: Greg Watson	Title: <u>VP of Operations</u>
Signature:	Date: <u>9/26/2023</u>
email: <u>glw@lmenergypartners.co</u>	Telephone: <u>432-301-0066</u>
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of	f Approval Denied Deferral Approved
Signature:	Date:

1	C-141	

State of New Mexico Oil Conservation Division

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District RP	
Facility ID	
Application ID	

### **Remediation Plan**

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility nstruction.

Extents of contamination must be fully delineated.

Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

ed Name: Greg Watson	Title: VP of Operations       Date: 9/26/2023       Telephone: 432-301-0066
Only       ved by:       upproved       Deproved	Date: f Approval
hite.	Date:

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete 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: Greg Watson Title: VP of Operations Signature: Date: 9/26/2023 email: glw@lmenergypartners.co Telephone: 432-301-0066 **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 nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date: Printed Name: Title: \_\_\_\_\_

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Received by:

State of New Mexico **Oil Conservation Division** 

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

I hereby certify that the information given above is true and complete 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.

Title: VP of Operations Printed Name: Greg Watson Date: 9/26/2023 Signature Telephone: 432-301-0066 email: glw@lmenergypartners.co **OCD Only** Date: 

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

Closure Approved by:	Date:
rinted Name:	Title:

# **ATTACHMENT A – FIGURES**

Released to Imaging: 9/27/2023 9:44:53 AM





LM Touchdown, LLC Hackberry LACT Eddy County, NM



Project No.Env-LM-HackberryReport No.LM-0058Date:September 2023

### Aerial Map

Received by OCD: 9/27/2023 12:00:19 AM



Received by OCD: 9/27/2023 12:00:19 AM



Released to Imaging: 9/27/2023 9:44:53 AM

# **ATTACHMENT B – SAMPLES AND ANALYSES**

Received by OCD: 9/27/2023 12:00:19 AM



**Environment Testing** 

# **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Grant McAfee Resolute Compliance LLC 115 FM 2453 Suite A Royse City, Texas 75189 Generated 8/14/2023 9:29:45 PM

## JOB DESCRIPTION

Hackberry LACT

### **JOB NUMBER**

880-31964-1

ËOL

Eurofins Midland 1211 W. Florida Ave Midland TX 79701



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### **Eurofins Midland**

### Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

### Authorization

AMER

Generated 8/14/2023 9:29:45 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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	Definitions/Glossary	
	e Compliance LLC Job ID: 880-31964-1	1
Project/Site: Ha		- 4
Qualifiers		- 3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
S1+	Surrogate recovery exceeds control limits, high biased.	- 6
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	- 8
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	1
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	1
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Presumptive Quality Control

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

Job ID: 880-31964-1

#### Job ID: 880-31964-1

#### Laboratory: Eurofins Midland

#### Narrative

Job Narrative 880-31964-1

#### Receipt

The samples were received on 8/11/2023 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: HB01 (880-31964-1), HB02 (880-31964-2), HB03 (880-31964-3), HB04 (880-31964-4), HB05 (880-31964-5), HB06 (880-31964-6), HB07 (880-31964-7), HB08 (880-31964-8) and HB09 (880-31964-9).

#### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60006 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated samples are impacted: (CCV 880-60006/2) and (CCV 880-60006/33).

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

#### GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60037/31), (CCV 880-60037/47) and (CCV 880-60037/58). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-31964-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: HB02 (880-31964-2), HB03 (880-31964-3), HB04 (880-31964-4) and HB05 (880-31964-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: HB08 (880-31964-8) and HB09 (880-31964-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: HB07 (880-31964-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59961 and analytical batch 880-60054 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: HB01 (880-31964-1), HB02 (880-31964-2), HB03 (880-31964-3), HB04 (880-31964-4), HB05 (880-31964-5), HB06 (880-31964-6) and HB07 (880-31964-7).

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59961 and analytical batch 880-60054 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: HB08 (880-31964-8), HB09 (880-31964-9), (880-31964-A-8-B MS) and (880-31964-A-8-C MSD).

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

### **Client Sample Results**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

#### Client Sample ID: HB01 Date Collected: 08/11/23 09:05

Date Received: 08/11/23 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:43	08/13/23 08:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/12/23 14:43	08/13/23 08:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/12/23 14:43	08/13/23 08:20	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 11:31	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte									
Total TPH	136		50.2		mg/Kg			08/14/23 22:11	1
Total TPH	136		50.2		mg/Kg			08/14/23 22:11	1
Total TPH	136 Sel Range Orga		50.2	MDL		D	Prepared	08/14/23 22:11 Analyzed	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	136 Sel Range Orga	nics (DRO) Qualifier		MDL		D	Prepared 08/12/23 18:22		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	136 sel Range Orga Result <50.2	nics (DRO) Qualifier	50.2 (GC) RL	MDL	Unit mg/Kg	D	08/12/23 18:22	Analyzed 08/13/23 21:21	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	136 sel Range Orga Result	nics (DRO) Qualifier	50.2 (GC) <u>RL</u> 50.2	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	136 sel Range Orga Result <50.2	nics (DRO) Qualifier U	50.2 (GC) <u>RL</u> 50.2	MDL	Unit mg/Kg	<u>D</u>	08/12/23 18:22	Analyzed 08/13/23 21:21	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	136 sel Range Orga Result <50.2 136	nics (DRO) Qualifier U	50.2 (GC) RL 50.2 50.2	MDL	Unit mg/Kg mg/Kg	D	08/12/23 18:22 08/12/23 18:22	Analyzed 08/13/23 21:21 08/13/23 21:21	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	136 sel Range Orga Result <50.2 136 <50.2	<b>nics (DRO)</b> Qualifier U	50.2 (GC) RL 50.2 50.2 50.2	MDL	Unit mg/Kg mg/Kg	D	08/12/23 18:22 08/12/23 18:22 08/12/23 18:22	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21	1 1 1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	136 Sel Range Orga Result <50.2 136 <50.2 %Recovery	<b>nics (DRO)</b> Qualifier U	50.2 (GC) RL 50.2 50.2 50.2 Limits	MDL	Unit mg/Kg mg/Kg	D	08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b>	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 Analyzed	Dil Fac 1 1 1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	136 Sel Range Orga Result <50.2 136 <50.2 %Recovery 125 119	<b>nics (DRO)</b> Qualifier U Qualifier	50.2 (GC) RL 50.2 50.2 50.2 50.2 <u>Limits</u> 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	D	08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b> 08/12/23 18:22	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 Analyzed 08/13/23 21:21	Dil Fac 1 1 1 Dil Fac 1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	136         sel Range Orga         Result         <50.2	<b>nics (DRO)</b> Qualifier U Qualifier	50.2 (GC) RL 50.2 50.2 50.2 50.2 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg mg/Kg	D	08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b> 08/12/23 18:22	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 Analyzed 08/13/23 21:21	Dil Fac 1 1 1 Dil Fac 1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	136         sel Range Orga         Result         <50.2	nics (DRO) Qualifier U Qualifier	(GC) <u>RL</u> 50.2 50.2 50.2 <u>Limits</u> 70 - 130 70 - 130 <b>e</b>		Unit mg/Kg mg/Kg		08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b> 08/12/23 18:22 08/12/23 18:22	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 Analyzed 08/13/23 21:21 08/13/23 21:21	Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	136 Sel Range Orga Result <50.2 136 <50.2 %Recovery 125 119 Chromatograp Result	nics (DRO) Qualifier U Qualifier	50.2       (GC)       RL       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       6       RL		Unit mg/Kg mg/Kg Unit		08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b> 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b>	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	136 Sel Range Orga Result <50.2 136 <50.2 %Recovery 125 119 Chromatograp Result	nics (DRO) Qualifier U Qualifier	50.2       (GC)       RL       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       6       RL		Unit mg/Kg mg/Kg Unit		08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b> 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 <b>Prepared</b>	Analyzed 08/13/23 21:21 08/13/23 21:21 08/13/23 21:21 Analyzed 08/13/23 21:21 08/13/23 21:21	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:43	08/13/23 08:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/12/23 14:43	08/13/23 08:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/12/23 14:43	08/13/23 08:40	1

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Job ID: 880-31964-1

### Lab Sample ID: 880-31964-1

Matrix: Solid

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Released to Imaging: 9/27/2023 9:44:53 AM

Job ID: 880-31964-1

Lab Sample ID: 880-31964-2

### Client: Resolute Compliance LLC Project/Site: Hackberry LACT

#### **Client Sample ID: HB02** Date Collected: 08/11/23 09:10

|--|

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 11:31	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	113		50.3		mg/Kg			08/14/23 22:11	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		08/12/23 18:22	08/13/23 22:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	113		50.3		mg/Kg		08/12/23 18:22	08/13/23 22:28	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/12/23 18:22	08/13/23 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				08/12/23 18:22	08/13/23 22:28	1
o-Terphenyl	128		70 - 130				08/12/23 18:22	08/13/23 22:28	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		5.00		mg/Kg			08/12/23 12:37	1

#### **Client Sample ID: HB03**

Date Collected: 08/11/23 09:15 Date Received: 08/11/23 14:00

#### Lab Sample ID: 880-31964-3 Matrix: Solid

### Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:43	08/13/23 09:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/12/23 14:43	08/13/23 09:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/12/23 14:43	08/13/23 09:00	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403		mg/Kg			08/14/23 11:31	1
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (C	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.3		50.5		mg/Kg			08/14/23 22:11	1

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		08/12/23 18:22	08/13/23 22:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	62.3		50.5		mg/Kg		08/12/23 18:22	08/13/23 22:50	1
C10-C28)									

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Matrix: Solid

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Matrix: Solid

Job ID: 880-31964-1

Lab Sample ID: 880-31964-3

### Client: Resolute Compliance LLC Project/Site: Hackberry LACT

#### **Client Sample ID: HB03** Date Collected: 08/11/23 09:15

Date Received: 08/11/23 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/12/23 18:22	08/13/23 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	254	S1+	70 - 130				08/12/23 18:22	08/13/23 22:50	1
o-Terphenyl	247	S1+	70 - 130				08/12/23 18:22	08/13/23 22:50	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			4.99		mg/Kg			08/12/23 12:58	

Date Collected: 08/11/23 09:20

Date Received: 08/11/23 14:00

Method: SW846 8021B - Volati	e Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:43	08/13/23 09:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/12/23 14:43	08/13/23 09:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/12/23 14:43	08/13/23 09:21	1

### Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg	_		08/14/23 11:31	1

N	lethod: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	SC)						
A	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Т	otal TPH	60.3		50.1		mg/Kg			08/14/23 22:11	1

#### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		08/12/23 18:22	08/13/23 23:11	1
(GRO)-C6-C10									
Diesel Range Organics (Over	60.3		50.1		mg/Kg		08/12/23 18:22	08/13/23 23:11	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/12/23 18:22	08/13/23 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				08/12/23 18:22	08/13/23 23:11	1
o-Terphenyl	120		70 - 130				08/12/23 18:22	08/13/23 23:11	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.01		mg/Kg			08/12/23 13:05	1

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Matrix: Solid 12 13

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### **Client Sample Results**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

#### Client Sample ID: HB05 Date Collected: 08/11/23 09:25

Date Received: 08/11/23 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 09:41	
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 09:41	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 09:41	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:43	08/13/23 09:41	
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:43	08/13/23 09:41	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:43	08/13/23 09:41	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	86		70 - 130				08/12/23 14:43	08/13/23 09:41	
1,4-Difluorobenzene (Surr)	94		70 - 130				08/12/23 14:43	08/13/23 09:41	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 11:31	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
					Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Unit		Fiepaleu	Analyzeu	
Analyte Total TPH	Result 53.4	Qualifier		MDL	mg/Kg			08/14/23 22:11	
Total TPH	53.4		50.2	MDL					
Total TPH Method: SW846 8015B NM - Dies	53.4 Sel Range Orga		50.2	MDL	mg/Kg		Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	53.4 Sel Range Orga	n <mark>ics (DRO)</mark> Qualifier			mg/Kg			08/14/23 22:11	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics GRO)-C6-C10	53.4 sel Range Orga Result <50.2	n <mark>ics (DRO)</mark> Qualifier	50.2 (GC) RL 50.2		mg/Kg Unit mg/Kg		Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	53.4 sel Range Orga Result	n <mark>ics (DRO)</mark> Qualifier	50.2 (GC) RL		mg/Kg Unit		Prepared	08/14/23 22:11 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	53.4 sel Range Orga Result <50.2	u <mark>nics (DRO)</mark> Qualifier U	50.2 (GC) RL 50.2		mg/Kg Unit mg/Kg		Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	53.4 sel Range Orga Result <50.2 53.4	u <mark>nics (DRO)</mark> Qualifier U	50.2 (GC) RL 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	53.4 sel Range Orga Result <50.2 53.4 <50.2	u <mark>nics (DRO)</mark> Qualifier U	(GC) RL 50.2 50.2 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	53.4         sel Range Orga         Result         <50.2	unics (DRO) Qualifier U U Qualifier	50.2 (GC) <u>RL</u> 50.2 50.2 50.2 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 Analyzed	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	53.4 Sel Range Orga Result <50.2 53.4 <50.2 %Recovery 141 131	U Qualifier U Qualifier S1+ S1+	50.2       (GC)       RL       50.2       50.2       50.2       50.2       50.2       50.2       70.130       70.130       70.130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	53.4 sel Range Orga <u>Result</u> <50.2 53.4 <50.2 <u>%Recovery</u> 141 131 Chromatograp	U Qualifier U Qualifier S1+ S1+	50.2       (GC)       RL       50.2       50.2       50.2       50.2       50.2       50.2       70.130       70.130       70.130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33	Dil Fa
	53.4 sel Range Orga <u>Result</u> <50.2 53.4 <50.2 <u>%Recovery</u> 141 131 Chromatograp	unics (DRO) Qualifier U Qualifier S1+ S1+	50.2       (GC)       RL       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       50.2       6	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared 08/12/23 18:22 08/12/23 18:22	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 Analyzed 08/13/23 23:33 08/13/23 23:33	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	53.4 sel Range Orga <u>Result</u> <50.2 53.4 <50.2 <u>%Recovery</u> 141 131 Chromatograp Result	unics (DRO) Qualifier U Qualifier S1+ S1+	50.2 (GC) RL 50.2 50.2 50.2 <u>Limits</u> 70 - 130 70 - 130 RL	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	53.4 sel Range Orga <u>Result</u> <50.2 53.4 <50.2 <u>%Recovery</u> 141 131 Chromatograp Result	unics (DRO) Qualifier U Qualifier S1+ S1+	50.2 (GC) RL 50.2 50.2 50.2 <u>Limits</u> 70 - 130 70 - 130 RL	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared	08/14/23 22:11 Analyzed 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 23:33 08/13/23 13:13 ple ID: 880-3	Dil Fa Dil Fa

Job ID: 880-31964-1

### Lab Sample ID: 880-31964-5

Matrix: Solid

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Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

**Xylenes**, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Limits

70 - 130

70 - 130

**Result Qualifier** 

U

<0.00201

0.00334

0.00207

0.00614

0.00266

0.00880

%Recovery Qualifier

88

95

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

08/12/23 14:43

08/12/23 14:43

08/12/23 14:43

08/12/23 14:43

08/12/23 14:43

08/12/23 14:43

Prepared

08/12/23 14:43

08/12/23 14:43

Dil Fac

1

1

1

1

1

1

1

1

Dil Fac

Analyzed

08/13/23 10:02

08/13/23 10:02

08/13/23 10:02

08/13/23 10:02

08/13/23 10:02

08/13/23 10:02

Analyzed

08/13/23 10:02

08/13/23 10:02
Matrix: Solid

5

Job ID: 880-31964-1

Lab Sample ID: 880-31964-6

## Client: Resolute Compliance LLC Project/Site: Hackberry LACT

Client Sample ID: HB06
Date Collected: 08/11/23 09:30

Dato	Received:	08/11/22	14.00
Date	Receiveu.	00/11/23	14.00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0142		0.00402		mg/Kg			08/14/23 11:31	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	148		50.1		mg/Kg			08/14/23 22:11	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		08/12/23 18:22	08/13/23 23:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	148		50.1		mg/Kg		08/12/23 18:22	08/13/23 23:55	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/12/23 18:22	08/13/23 23:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/12/23 18:22	08/13/23 23:55	
o-Terphenyl	119		70 - 130				08/12/23 18:22	08/13/23 23:55	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		4.96		mg/Kg			08/12/23 13:20	1

## Client Sample ID: HB07

Date Collected: 08/11/23 09:35

Lab Sample ID: 880-31964-7 Matrix: Solid

Date Received: 08/11/23 14:00	
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
Toluene	2.96		0.101		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
Ethylbenzene	5.60		0.101		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
m-Xylene & p-Xylene	10.1		0.202		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
o-Xylene	4.80		0.101		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
Xylenes, Total	14.9		0.202		mg/Kg		08/12/23 14:43	08/13/23 11:23	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/12/23 14:43	08/13/23 11:23	50
1,4-Difluorobenzene (Surr)	83		70 - 130				08/12/23 14:43	08/13/23 11:23	50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	23.5		0.202		mg/Kg			08/14/23 11:31	1
Method: SW846 8015 NM - Diese	I Range Organi	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8210		252		mg/Kg			08/14/23 22:11	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	939		252		mg/Kg		08/12/23 18:22	08/14/23 07:03	5
(GRO)-C6-C10									

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C10-C28)

Job ID: 880-31964-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-31964-7

## Project/Site: Hackberry LACT **Client Sample ID: HB07**

Client: Resolute Compliance LLC

Date Collected: 08/11/23 09:35

Date Received: 08/11/23 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over	300		252		mg/Kg		08/12/23 18:22	08/14/23 07:03	5
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				08/12/23 18:22	08/14/23 07:03	5
p-Terphenyl	123		70 - 130				08/12/23 18:22	08/14/23 07:03	5
Method: EPA 300.0 - Anions, I	Ion Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.99		mg/Kg			08/12/23 13:27	1

## **Client Sample ID: HB08**

Date Collected: 08/11/23 09:40

Date Received: 08/11/23 14:00

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
Toluene	0.00287		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
Ethylbenzene	0.00214		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
m-Xylene & p-Xylene	0.00729		0.00401		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
o-Xylene	0.00331		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
Xylenes, Total	0.0106		0.00401		mg/Kg		08/12/23 14:43	08/13/23 10:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/12/23 14:43	08/13/23 10:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/12/23 14:43	08/13/23 10:22	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0156		0.00401		mg/Kg			08/14/23 11:31	1

	Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (GO	5)					
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
L	Total TPH	375		50.0	mg/Kg			08/14/23 22:11	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/12/23 18:22	08/14/23 00:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	375		50.0		mg/Kg		08/12/23 18:22	08/14/23 00:16	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/23 18:22	08/14/23 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				08/12/23 18:22	08/14/23 00:16	1
o-Terphenyl	137	S1+	70 - 130				08/12/23 18:22	08/14/23 00:16	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.7	F1	5.02		mg/Kg			08/12/23 13:34	1

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## **Client Sample Results**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## **Client Sample ID: HB09** Date Collected: 08/11/23 09:45

Date Received: 08/11/23 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00213		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
Toluene	0.0221		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
Ethylbenzene	0.0157		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
m-Xylene & p-Xylene	0.0367		0.00399		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
o-Xylene	0.0157		0.00200		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
Xylenes, Total	0.0524		0.00399		mg/Kg		08/12/23 14:43	08/13/23 10:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/12/23 14:43	08/13/23 10:43	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/12/23 14:43	08/13/23 10:43	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	0.0923		0.00399		mg/Kg			08/14/23 11:31	1
		ics (DRO) (							
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	<mark>ics (DRO) (</mark> Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ		GC)	MDL		<u>D</u>	Prepared	Analyzed 08/14/23 22:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 683	Qualifier	GC) 	MDL	Unit	<u> </u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ 	Qualifier	GC) 	MDL	Unit mg/Kg	D	Prepared		Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Organ 	Qualifier nics (DRO) Qualifier	GC) <u>RL</u> 49.6		Unit mg/Kg			08/14/23 22:11	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 683 sel Range Orga Result	Qualifier nics (DRO) Qualifier	GC) RL 49.6 (GC) RL		Unit mg/Kg Unit		Prepared	08/14/23 22:11 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 683 sel Range Orga Result <49.6	Qualifier	GC) <u>RL</u> (GC) <u>RL</u> 49.6		Unit mg/Kg Unit mg/Kg		Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/14/23 00:38	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 683 sel Range Orga Result <49.6 683	Qualifier nics (DRO) Qualifier U	GC) <u>RL</u> (GC) <u>RL</u> 49.6 49.6		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22	08/14/23 22:11 Analyzed 08/14/23 00:38 08/14/23 00:38	1 Dil Fac 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result 683 sel Range Orga Result <49.6 683 <49.6	Qualifier Qualifier Qualifier U Qualifier	GC) <u>RL</u> (GC) <u>RL</u> 49.6 49.6 49.6		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22	08/14/23 22:11 Analyzed 08/14/23 00:38 08/14/23 00:38 08/14/23 00:38	1 Dil Fac 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result 683 sel Range Orga Result <49.6 683 <49.6 %Recovery	Qualifier Qualifier Qualifier U Qualifier	GC) <u>RL</u> 49.6 (GC) <u>RL</u> 49.6 49.6 49.6 <u>Limits</u>		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared	08/14/23 22:11 Analyzed 08/14/23 00:38 08/14/23 00:38 08/14/23 00:38 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	All Range Organ         Result           683         683           sel Range Orga         Result           <49.6	Qualifier Qualifier Qualifier U U Qualifier S1+	GC) <u>RL</u> 49.6 (GC) <u>RL</u> 49.6 49.6 49.6 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/14/23 00:38 08/14/23 00:38 08/14/23 00:38 Analyzed 08/14/23 00:38	1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	el Range Organ Result 683 sel Range Orga Result <49.6 683 <49.6 %Recovery 135 121 Chromatograp	Qualifier Qualifier Qualifier U U Qualifier S1+	GC) <u>RL</u> 49.6 (GC) <u>RL</u> 49.6 49.6 49.6 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/12/23 18:22 08/12/23 18:22 08/12/23 18:22 Prepared 08/12/23 18:22	08/14/23 22:11 Analyzed 08/14/23 00:38 08/14/23 00:38 08/14/23 00:38 Analyzed 08/14/23 00:38	1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1

Job ID: 880-31964-1

## Lab Sample ID: 880-31964-9

Matrix: Solid

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## Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-31964-1 HB01 84 95 880-31964-1 MS HB01 94 97 880-31964-1 MSD HB01 96 99 880-31964-2 HB02 89 93 880-31964-3 HB03 78 97 880-31964-4 HB04 78 99 880-31964-5 HB05 86 94 HB06 88 95 880-31964-6 880-31964-7 HB07 104 83 880-31964-8 **HB08** 85 94 880-31964-9 **HB09** 95 93 LCS 880-60009/1-A 90 96 Lab Control Sample LCSD 880-60009/2-A Lab Control Sample Dup 89 95 MB 880-60006/8 Method Blank 94 126 MB 880-60009/5-A Method Blank 94 115 Surrogate Legend BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

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

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-31964-1 HB01 125 119 880-31964-1 MS HB01 124 108 131 S1+ 880-31964-1 MSD HB01 113 880-31964-2 HB02 138 S1+ 128 880-31964-3 HB03 254 S1+ 247 S1+ 880-31964-4 HB04 133 S1+ 120 880-31964-5 HB05 141 S1+ 131 S1+ 880-31964-6 **HB06** 126 119 880-31964-7 HB07 151 S1+ 123 880-31964-8 **HB08** 148 S1+ 137 S1+ 880-31964-9 HB09 135 S1+ 121 LCS 880-60026/2-A Lab Control Sample 118 121 LCSD 880-60026/3-A Lab Control Sample Dup 116 122 MB 880-60026/1-A Method Blank 122 123

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 880-31964-1

Prep Type: Total/NA

## Prep Type: Total/NA

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

Lab Sample ID: MB 880-6000 Matrix: Solid	06/8										Client Sa	mple ID: M Prep Ty		
Analysis Batch: 60006														
	r	NB ME	З											
Analyte		ult Qu	alifier	RL		MDL	Unit		D	P	repared	Analyze		Dil Fac
Benzene	<0.002			0.00200			mg/K	-				08/12/23 2		1
Toluene	<0.002			0.00200			mg/K					08/12/23 2		1
Ethylbenzene	<0.002	00 U		0.00200			mg/K	g 				08/12/23 2	0:15	1
m-Xylene & p-Xylene	<0.004	00 U		0.00400			mg/K	g				08/12/23 2	0:15	1
o-Xylene	<0.002	00 U		0.00200			mg/K	g				08/12/23 2	0:15	1
Xylenes, Total	<0.004	00 U		0.00400			mg/K	g				08/12/23 2	0:15	1
	Γ	ИВ МЕ	в											
Surrogate	%Recove	ery Qı	ualifier	Limits						P	repared	Analyze	ed	Dil Fac
4-Bromofluorobenzene (Surr)		94		70 - 130								08/12/23 2	0:15	1
1,4-Difluorobenzene (Surr)	1	26		70 - 130								08/12/23 2	0:15	1
Lab Sample ID: MB 880-6000	)9/5-A										Client Sa	mple ID: N	lethoo	l Blank
Matrix: Solid												Prep Ty		
Analysis Batch: 60006														: 60009
·	M	ИВ МВ	з											
Analyte	Res	ult Qu	ualifier	RL		MDL	Unit		D	Р	repared	Analyze	d	Dil Fac
Benzene	< 0.002	00 U		0.00200			mg/K	g	_	08/1	2/23 14:43	08/13/23 0	7:51	1
Toluene	<0.002	00 U		0.00200			mg/K	q		08/1	2/23 14:43	08/13/23 0	7:51	1
Ethylbenzene	<0.002	00 U		0.00200			mg/K	-		08/1	2/23 14:43	08/13/23 0	7:51	1
m-Xylene & p-Xylene	<0.004			0.00400			mg/K				2/23 14:43	08/13/23 0		
o-Xylene	<0.002			0.00200			mg/K	-			2/23 14:43	08/13/23 0		1
Xylenes, Total	<0.004			0.00400			mg/K	-			2/23 14:43	08/13/23 0		1
· · · · · · · · · · · · · · · · · · ·								5						
0		MB ME		1						_		<b>A</b>		045
Surrogate	%Recove	94 QL	ualifier	Limits							2/23 14:43	Analyze		Dil Fac
4-Bromofluorobenzene (Surr)				70 - 130 70 - 130								08/13/23 0		1
1,4-Difluorobenzene (Surr)	1	15		70 - 130						08/1	2/23 14:43	08/13/23 0	7:51	1
Lab Sample ID: LCS 880-600	09/1-A								С	lient	Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid												Prep Ty		
Analysis Batch: 60006														: 60009
-				Spike	LCS	LCS						%Rec		
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
Benzene				0.100	0.09640			mg/Kg			96	70 - 130		
Toluene				0.100	0.09234			mg/Kg			92	70 - 130		
Ethylbenzene				0.100	0.08132			mg/Kg			81	70 - 130		
m-Xylene & p-Xylene				0.200	0.1824			mg/Kg			91	70 - 130		
o-Xylene				0.100	0.08780			mg/Kg			88	70 - 130		
		~~												
Surrogate	LCS L %Recovery G		r	Limits										
4-Bromofluorobenzene (Surr)	- <u></u>			70 - 130										
1,4-Difluorobenzene (Surr)	96			70 - 130										
								-		0	min ID: 1	oh Orașteri l	0	
Lab Sample ID: LCSD 880-60 Matrix: Solid	JUU9/2-A							CI	ient	Sam	ipie ID: L	ab Control Prep Ty	-	-
Analysis Batch: 60006				Sniko	LCSD	1.00	n					%Rec	Daten	: 60009 RPD
Analyte				Spike Added				Unit		Р	%Pac		ppp	
Analyte				Added	Result	Qua	nner	Unit		D	%Rec	Limits	RPD	Limit
Benzene				0.100	0.09444			mg/Kg			94	70 - 130	2	35

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Job ID: 880-31964-1

Client: Resolute Compliance LLC Project/Site: Hackberry LACT Lab ID: 000 04004 4

## Job ID: 880-31964-1

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

	60009/2-A					Clier	nt Sam	ple ID:	Lab Contro		
Matrix: Solid										Type: To	
Analysis Batch: 60006										Batch:	
			Spike		LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.09421		mg/Kg		94	70 - 130	2	35
Ethylbenzene			0.100	0.08645		mg/Kg		86	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1808		mg/Kg		90	70 - 130	1	3
o-Xylene			0.100	0.08595		mg/Kg		86	70 - 130	2	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	89		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								
Lab Sample ID: 880-31964-1	I MS								Client Sar	nple ID:	HB0 <sup>,</sup>
Matrix: Solid										Type: Tot	
Analysis Batch: 60006										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	< 0.00198	U	0.0996	0.09858		mg/Kg		99	70 - 130		
Toluene	<0.00198	U	0.0996	0.09388		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00198	U	0.0996	0.08617		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1902		mg/Kg		95	70 - 130		
p-Xylene	<0.00198		0.0996	0.09140		mg/Kg		91	70 - 130		
	MS	MS									
	~~-	Qualifier									
Surrogate	%Recovery	Quanner	Limits								
	%Recovery 	quanner	<i>Limits</i> 70 - 130								
4-Bromofluorobenzene (Surr)		Quanner									
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	94 97	Quanner	70 - 130						Client Sar	nole ID:	HB0
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1	94 97	Quanner	70 - 130						Client Sar Prep T		
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid	94 97	Quanner	70 - 130						Prep T	Type: To	tal/N/
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid	94 97 I MSD	Sample	70 - 130 70 - 130	MSD	MSD				Prep T		tal/N/ 6000
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006	94 97 I MSD Sample	Sample	70 - 130		MSD Qualifier	Unit	D	%Rec	Prep T Prep	Type: To	tal/N/ 6000 RPI
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte	94 97 I MSD Sample	Sample Qualifier	70 - 130 70 - 130 Spike				D	%Rec 107	Prep T Prep %Rec	Type: To Batch:	tal/N/ 6000 RPI Lim
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene	94 97 I MSD Sample <u>Result</u> <0.00198	Sample Qualifier U	70 - 130 70 - 130 Spike Added	Result		mg/Kg	D	107	Prep 1 Prep %Rec Limits	Batch:	tal/N/ 6000 RPI Lim 3
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene	94 97 I MSD Sample Result	Sample Qualifier U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100	<b>Result</b> 0.1071			<u>D</u>		Prep T Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       8	tal/N/ 60009 RPI Lim 3 3
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198	Sample Qualifier U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100	Result           0.1071           0.09043           0.08945		mg/Kg mg/Kg mg/Kg	D	107 90 89	Prep 7 Prep %Rec Limits 70 - 130 70 - 130	RPD       8       4	tal/N/ 6000 RPI Lim 3 3 3
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	94 97 I MSD Sample Result <0.00198 <0.00198	Sample Qualifier U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100	<b>Result</b> 0.1071 0.09043		mg/Kg mg/Kg	<u> </u>	107 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: Tot Batch: RPD 8 4	tal/N/ 60009 RPI Limi 33 33 33 33
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198	Sample Qualifier U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	107 90 89 93	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Appe: TotBatch:RPD8442	tal/N/ 60009 RPI Limi 33 33 33 33
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198	Sample Qualifier U U U U U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	107 90 89 93	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Appe: TotBatch:RPD8442	tal/N/ 60009 RPI Limi 3: 3: 3: 3: 3:
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 <i>MSD</i>	Sample Qualifier U U U U U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200 0.100	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	107 90 89 93	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Appe: TotBatch:RPD8442	tal/N/
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 <i>MSD</i> %Recovery	Sample Qualifier U U U U U U U	70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.200 0.100 0.100 Limits	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg	D	107 90 89 93	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Appe: TotBatch:RPD8442	tal/N/ 60009 RPI Limi 3( 3( 3( 3( 3)
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	94 97 MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00198 <0.00198 <0.00198 <i>MSD</i> %Recovery 96 99	Sample Qualifier U U U U U MSD Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 <u>Limits</u> 70 - 130 70 - 130	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	107 90 89 93	Prep T           Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	Appe: TotBatch:RPD8442	tal/N/ 60009 RPI Limi 33 33 33 33
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Iethod: 8015B NM - Diese	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00198 <0.00198 <i>MSD</i> %Recovery 96 99 Sel Range Oi	Sample Qualifier U U U U U MSD Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 <u>Limits</u> 70 - 130 70 - 130	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg		107 90 89 93 89	Prep 1           %Rec           Limits           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130           70 - 130	RPD 8 4 4 2 2	tal/N/ 60000 RPI 3 3 3 3 3 3 3 3 3
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-31964-1 Matrix: Solid Analysis Batch: 60006 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	94 97 I MSD Sample Result <0.00198 <0.00198 <0.00198 <0.00198 <0.00198 <i>MSD</i> %Recovery 96 99 Sel Range Oi	Sample Qualifier U U U U U MSD Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 <u>Limits</u> 70 - 130 70 - 130	Result           0.1071           0.09043           0.08945           0.1865		mg/Kg mg/Kg mg/Kg mg/Kg		107 90 89 93 89	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	RPD 8 4 4 2 2	tal/N/ 60000 RPI 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

### Analysis Batch: 60037 МВ МВ Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 08/12/23 18:22 08/13/23 20:13 1 (GRO)-C6-C10

Eurofins Midland

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

MB MB

## **QC Sample Results**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

Matrix: Solid

Analysis Batch: 60037

Lab Sample ID: MB 880-60026/1-A

Job ID: 880-31964-1

Prep Type: Total/NA

Prep Batch: 60026

**Client Sample ID: Method Blank** 

		IVID														
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Anal	yzed	Dil Fa	С
Diesel Range Organics (Over	<	\$0.0	U	5	50.0			mg/Kg		_	08/1	2/23 18:2	2 08/13/2	3 20:13		1
C10-C28)																
Oll Range Organics (Over C28-C36)	<	\$50.0	U	5	50.0			mg/Kg			08/1	2/23 18:2	2 08/13/2	3 20:13		1
		ΜВ	МВ													
Surrogate	%Reco			Limits	;						Р	repared	Anal	vzed	Dil Fa	с
1-Chlorooctane		122										2/23 18:2		·		1
o-Terphenyl		123		70 - 13								2/23 18:2				1
Lab Sample ID: LCS 880-60026/2	-A									С	lient	Sample	e ID: Lab (	Control	Sample	Э
Matrix: Solid													Prep	Type: T	otal/N/	A
Analysis Batch: 60037													Pre	p Batch	: 60020	6
-				Spike		LCS	LCS						%Rec	-		
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits			
Gasoline Range Organics				1000		978.3			mg/Kg			98	70 - 130			-
(GRO)-C6-C10																
Diesel Range Organics (Over				1000		940.2			mg/Kg			94	70 - 130			
C10-C28)																
	LCS	LCS														
Surrogate	%Recovery	Qua	lifier	Limits												
1-Chlorooctane	118			70 - 130												
o-Terphenyl	121			70 - 130												
Lab Sample ID: LCSD 880-60026	/ <b>3-A</b>								Cli	ent	Sam	ple ID:	Lab Conti	ol Sam	ole Dup	2
Matrix: Solid													Prep	Type: T	otal/N/	4
Analysis Batch: 60037													Pre	p Batch	: 60020	6
				Spike		LCSD	LCS	D					%Rec		RPI	כ
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limi	it
Gasoline Range Organics				1000		912.6			mg/Kg			91	70 - 130	7	20	D
(GRO)-C6-C10																
Diesel Range Organics (Over				1000		887.0			mg/Kg			89	70 - 130	6	2	0
C10-C28)																
	LCSD	LCS	D													
Surrogate	%Recovery	Qua	lifier	Limits												
1-Chlorooctane	116			70 - 130												
o-Terphenyl	122			70 - 130												
_																
Lab Sample ID: 880-31964-1 MS													Client Sa			
Matrix: Solid														Type: T		
Analysis Batch: 60037													Pre	p Batch	: 6002	ò
	Sample		-	Spike		MS							%Rec			
Analyte	Result		lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits			_
Gasoline Range Organics (GRO)-C6-C10	<50.2	U		998		982.6			mg/Kg			97	70 - 130			
Diesel Range Organics (Over C10-C28)	136			998		958.2			mg/Kg			82	70 - 130			
	МС	MC														

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	108		70 - 130

Eurofins Midland

Job ID: 880-31964-1

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

Lab Sample ID: 880-31964-1	MSD											mple ID:	
Matrix: Solid												Гуре: То	
Analysis Batch: 60037											Prep	Batch:	60026
	Sample	Sample	Spike	MS	D MS	D					%Rec		RPD
Analyte	Result	Qualifier	Added	Resu	lt Qua	alifier	Unit		D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	103	4		mg/Kg		_	102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	136		998	10	5		mg/Kg			88	70 - 130	6	20
	MSD	MSD											
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	131	S1+	70 - 130										
o-Terphenyl	113		70 - 130										
lethod: 300.0 - Anions, l Lab Sample ID: MB 880-5996 Matrix: Solid		ography								Client S	ample ID: Prep	Method Type: S	
Analysis Batch: 60054		МВ МВ									· ·		
Analyto	-	esult Qualifier		RL	יחא	. Unit		D	Б.	epared	Anal	od	Dil Fa
Analyte Chloride		5.00 U		5.00	WDL	mg/Kg		<u> </u>	Pr	epared	Analyz 		<b>DII Fa</b>
						0.0	•						
Lab Sample ID: LCS 880-599 Matrix: Solid	61/2-A							Cli	ent	Sample	ID: Lab C Prep	ontrol S Type: S	
Analysis Batch: 60054			Spike	LC	S LCS	S					%Rec		
Analyte			Added	Resu	lt Qua	alifier	Unit		D	%Rec	Limits		
Chloride			250	252	8		mg/Kg			101	90 _ 110		
Lab Sample ID: LCSD 880-59 Matrix: Solid	961/3-A						Cli	ent S	am	ple ID:	Lab Contro Prep	ol Samp Type: S	
Analysis Batch: 60054			Spike	LCS	D LCS	SD					%Rec		RP
			Added	Resu	lt Qua	alifier	Unit		D	%Rec	Limits	RPD	Lim
Analyte				254	6		mg/Kg			102	90 - 110	1	2
-			250	204									
Chloride	MS		250	204							Client Sa	mple ID:	HB0
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid	MS		250	234								mple ID: Type: S	
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid		Quarte									Prep		
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054	Sample	Sample	Spike	N	S MS				_		Prep %Rec		
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054 Analyte	Sample Result	Qualifier	Spike Added	N Resi	lt Qua		Unit		D	%Rec	Prep %Rec Limits		
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054 Analyte	Sample	Qualifier	Spike	N Resi					<u>D</u>	<b>%Rec</b> 85	Prep %Rec		
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054 Analyte Chloride Lab Sample ID: 880-31964-8	Sample Result 61.7	Qualifier	Spike Added	N Resi	lt Qua		Unit		<u>D</u> .		Prep %Rec Limits 90 - 110 Client Sat	Type: S	olubl
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054 Analyte Chloride Lab Sample ID: 880-31964-8 Matrix: Solid	Sample Result 61.7	Qualifier	Spike Added	N Resi	lt Qua		Unit		<u>D</u>		Prep %Rec Limits 90 - 110 Client Sat	Type: S	oluble HB0
Chloride Lab Sample ID: 880-31964-8 Matrix: Solid Analysis Batch: 60054 Analyte Chloride Lab Sample ID: 880-31964-8 Matrix: Solid	Sample Result 61.7	Qualifier	Spike Added	N Resi 274	lt Qua	alifier	Unit		<u>D</u> .		Prep %Rec Limits 90 - 110 Client Sat	Type: S	HB0
	Sample Result 61.7 MSD Sample	Qualifier F1	Spike Added 251	N 274 	It Qua 4 F1	alifier	Unit		D		Prep %Rec Limits 90 - 110 Client Sau Prep	Type: S	oluble

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

Job ID: 880-31964-1

# 8 9 10 11 12 13

00	VOA	
GC	VUA	

## Analysis Batch: 60006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	8021B	60009
380-31964-2	HB02	Total/NA	Solid	8021B	60009
380-31964-3	HB03	Total/NA	Solid	8021B	60009
380-31964-4	HB04	Total/NA	Solid	8021B	60009
380-31964-5	HB05	Total/NA	Solid	8021B	6000
380-31964-6	HB06	Total/NA	Solid	8021B	6000
380-31964-7	HB07	Total/NA	Solid	8021B	6000
380-31964-8	HB08	Total/NA	Solid	8021B	6000
380-31964-9	HB09	Total/NA	Solid	8021B	6000
MB 880-60006/8	Method Blank	Total/NA	Solid	8021B	
MB 880-60009/5-A	Method Blank	Total/NA	Solid	8021B	6000
LCS 880-60009/1-A	Lab Control Sample	Total/NA	Solid	8021B	6000
_CSD 880-60009/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6000
380-31964-1 MS	HB01	Total/NA	Solid	8021B	6000
880-31964-1 MSD	HB01	Total/NA	Solid	8021B	6000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	5035	
880-31964-2	HB02	Total/NA	Solid	5035	
880-31964-3	HB03	Total/NA	Solid	5035	
880-31964-4	HB04	Total/NA	Solid	5035	
880-31964-5	HB05	Total/NA	Solid	5035	
880-31964-6	HB06	Total/NA	Solid	5035	
880-31964-7	HB07	Total/NA	Solid	5035	
880-31964-8	HB08	Total/NA	Solid	5035	
880-31964-9	HB09	Total/NA	Solid	5035	
MB 880-60009/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60009/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60009/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31964-1 MS	HB01	Total/NA	Solid	5035	
880-31964-1 MSD	HB01	Total/NA	Solid	5035	

## Analysis Batch: 60109

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	Total BTEX	
880-31964-2	HB02	Total/NA	Solid	Total BTEX	
880-31964-3	HB03	Total/NA	Solid	Total BTEX	
880-31964-4	HB04	Total/NA	Solid	Total BTEX	
880-31964-5	HB05	Total/NA	Solid	Total BTEX	
880-31964-6	HB06	Total/NA	Solid	Total BTEX	
880-31964-7	HB07	Total/NA	Solid	Total BTEX	
880-31964-8	HB08	Total/NA	Solid	Total BTEX	
880-31964-9	HB09	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 60026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	8015NM Prep	
880-31964-2	HB02	Total/NA	Solid	8015NM Prep	

Eurofins Midland

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## GC Semi VOA (Continued)

## Prep Batch: 60026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-3	HB03	Total/NA	Solid	8015NM Prep	
880-31964-4	HB04	Total/NA	Solid	8015NM Prep	
880-31964-5	HB05	Total/NA	Solid	8015NM Prep	
880-31964-6	HB06	Total/NA	Solid	8015NM Prep	
880-31964-7	HB07	Total/NA	Solid	8015NM Prep	
880-31964-8	HB08	Total/NA	Solid	8015NM Prep	
880-31964-9	HB09	Total/NA	Solid	8015NM Prep	
MB 880-60026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31964-1 MS	HB01	Total/NA	Solid	8015NM Prep	
880-31964-1 MSD	HB01	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 60037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	8015B NM	60026
880-31964-2	HB02	Total/NA	Solid	8015B NM	60026
880-31964-3	HB03	Total/NA	Solid	8015B NM	60026
880-31964-4	HB04	Total/NA	Solid	8015B NM	60026
880-31964-5	HB05	Total/NA	Solid	8015B NM	60026
880-31964-6	HB06	Total/NA	Solid	8015B NM	60026
880-31964-7	HB07	Total/NA	Solid	8015B NM	60026
880-31964-8	HB08	Total/NA	Solid	8015B NM	60026
880-31964-9	HB09	Total/NA	Solid	8015B NM	60026
MB 880-60026/1-A	Method Blank	Total/NA	Solid	8015B NM	60026
LCS 880-60026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60026
LCSD 880-60026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60026
880-31964-1 MS	HB01	Total/NA	Solid	8015B NM	60026
880-31964-1 MSD	HB01	Total/NA	Solid	8015B NM	60026

## Analysis Batch: 60223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-1	HB01	Total/NA	Solid	8015 NM	
880-31964-2	HB02	Total/NA	Solid	8015 NM	
880-31964-3	HB03	Total/NA	Solid	8015 NM	
880-31964-4	HB04	Total/NA	Solid	8015 NM	
880-31964-5	HB05	Total/NA	Solid	8015 NM	
880-31964-6	HB06	Total/NA	Solid	8015 NM	
880-31964-7	HB07	Total/NA	Solid	8015 NM	
880-31964-8	HB08	Total/NA	Solid	8015 NM	
880-31964-9	HB09	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 59961

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31964-1	HB01	Soluble	Solid	DI Leach	
880-31964-2	HB02	Soluble	Solid	DI Leach	
880-31964-3	HB03	Soluble	Solid	DI Leach	
880-31964-4	HB04	Soluble	Solid	DI Leach	
880-31964-5	HB05	Soluble	Solid	DI Leach	

## Job ID: 880-31964-1

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## HPLC/IC (Continued)

## Leach Batch: 59961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31964-6	HB06	Soluble	Solid	DI Leach	
880-31964-7	HB07	Soluble	Solid	DI Leach	
880-31964-8	HB08	Soluble	Solid	DI Leach	
880-31964-9	HB09	Soluble	Solid	DI Leach	
MB 880-59961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31964-8 MS	HB08	Soluble	Solid	DI Leach	
880-31964-8 MSD	HB08	Soluble	Solid	DI Leach	

## Analysis Batch: 60054

LCSD 880-59961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
880-31964-8 MS	HB08	Soluble	Solid	DI Leach		8
880-31964-8 MSD	HB08	Soluble	Solid	DI Leach		
Analysis Batch: 60054						9
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-31964-1	HB01	Soluble	Solid	300.0	59961	
880-31964-2	HB02	Soluble	Solid	300.0	59961	
880-31964-3	HB03	Soluble	Solid	300.0	59961	
880-31964-4	HB04	Soluble	Solid	300.0	59961	
880-31964-5	HB05	Soluble	Solid	300.0	59961	
880-31964-6	HB06	Soluble	Solid	300.0	59961	40
880-31964-7	HB07	Soluble	Solid	300.0	59961	13
880-31964-8	HB08	Soluble	Solid	300.0	59961	
880-31964-9	HB09	Soluble	Solid	300.0	59961	
MB 880-59961/1-A	Method Blank	Soluble	Solid	300.0	59961	
LCS 880-59961/2-A	Lab Control Sample	Soluble	Solid	300.0	59961	
LCSD 880-59961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59961	
880-31964-8 MS	HB08	Soluble	Solid	300.0	59961	
880-31964-8 MSD	HB08	Soluble	Solid	300.0	59961	

5 6 7

Job ID: 880-31964-1

Initial

Amount

5.05 g

5 mL

9.97 g

1 uL

4.97 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

60009

60006

60109

60223

60026

60037

59961

60054

Number

Prepared

or Analyzed

08/12/23 14:43

08/13/23 08:20

08/14/23 11:31

08/14/23 22:11

08/12/23 18:22

08/13/23 21:21

08/11/23 15:20

08/12/23 12:30

Dil

1

1

1

1

1

Factor

Run

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

## **Client Sample ID: HB01** Date Collected: 08/11/23 09:05 Date Received: 08/11/23 14:00

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Job ID: 880-31964-1

## Lab Sample ID: 880-31964-1

Analyst

EL

SM

SM

SM

ткс

SM

ĸs

SMC

Matrix: Solid

Lab

EET MID

Matrix: Solid

## Lab Sample ID: 880-31964-2 Matrix: Solid

Lab Sample ID: 880-31964-3

Lab Sample ID: 880-31964-4

## **Client Sample ID: HB02** Date Collected: 08/11/23 09:10

Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 08:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60026	08/12/23 18:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/13/23 22:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 12:37	SMC	EET MID

## **Client Sample ID: HB03**

### Date Collected: 08/11/23 09:15 Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 09:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60026	08/12/23 18:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/13/23 22:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 12:58	SMC	EET MID

## **Client Sample ID: HB04** Date Collected: 08/11/23 09:20 Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 09:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

Released to Imaging: 9/27/2023 9:44:53 AM

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## **Client Sample ID: HB04** Date Collected: 08/11/23 09:20

Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60026	08/12/23 18:22	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/13/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 13:05	SMC	EET MID

## **Client Sample ID: HB05** Date Collected: 08/11/23 09:25

## Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 09:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60026	08/12/23 18:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/13/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 13:13	SMC	EET MID

## Client Sample ID: HB06

Date Collected: 08/11/23 09:30 Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 10:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60026	08/12/23 18:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/13/23 23:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 13:20	SMC	EET MID

## **Client Sample ID: HB07**

## Date Collected: 08/11/23 09:35 Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	60006	08/13/23 11:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60026	08/12/23 18:22	ТКС	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	60037	08/14/23 07:03	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

Job ID: 880-31964-1

## Lab Sample ID: 880-31964-4 Matrix: Solid

Lab Sample ID: 880-31964-5

Matrix: Solid

## Lab Sample ID: 880-31964-6

Lab Sample ID: 880-31964-7

Matrix: Solid

## Lab Chronicle

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## Client Sample ID: HB07 Date Collected: 08/11/23 09:35

Date Received	: 08/11/23 14:0	0						
	Batch	Batch		Dil	Initial	Final	Batch	Prepared
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analvzed

		Daten	Datch			miniai	i illai	Daten	riepaieu		
F	Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Ē	Soluble	Leach	DI Leach			5.01 g	50 mL	59961	08/11/23 15:20	KS	EET MID
5	Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 13:27	SMC	EET MID

## Client Sample ID: HB08

## Date Collected: 08/11/23 09:40 Date Received: 08/11/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60009	08/12/23 14:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/13/23 10:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60109	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60223	08/14/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60026	08/12/23 18:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60037	08/14/23 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59961	08/11/23 15:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60054	08/12/23 13:34	SMC	EET MID

## Client Sample ID: HB09 Date Collected: 08/11/23 09:45 Date Received: 08/11/23 14:00

### Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 60009 08/12/23 14:43 EL EET MID 8021B Total/NA 5 mL 5 mL 08/13/23 10:43 EET MID Analysis 1 60006 SM Total/NA Analysis Total BTEX 1 60109 08/14/23 11:31 SM EET MID Total/NA Analysis 8015 NM 1 60223 08/14/23 22:11 SM EET MID Total/NA Prep 8015NM Prep 10.08 g 10 mL 60026 08/12/23 18:22 ткс EET MID Total/NA Analysis 8015B NM 1 1 uL 1 uL 60037 08/14/23 00:38 SM EET MID Soluble Leach DI Leach 5.01 g 50 mL 59961 08/11/23 15:20 KS EET MID Soluble Analysis 300.0 50 mL 50 mL 60054 08/12/23 13:56 SMC EET MID 1

### Laboratory References:

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

Job ID: 880-31964-1

## Lab Sample ID: 880-31964-7

Lab Sample ID: 880-31964-8

Lab Sample ID: 880-31964-9

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Accreditation/Certification Summary

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Client: Resolute Compl Project/Site: Hackberry				Job ID: 880-319	964-1
Laboratory: Eurofi		ere covered under each acc	reditation/certification below.		3
Authority		rogram	Identification Number	Expiration Date	4
Texas		IELAP	T104704400-23-26	06-30-24	5
the agency does not of Analysis Method	1 ,	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		4
					8

Eurofins Midland

.

## **Method Summary**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

Job ID: 880-31964-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
EPA = US SW846 =	STM International Environmental Protection Agency "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi = TestAmerica Laboratories, Standard Operating Procedure	tion, November 1986 And Its Updates.	
Laboratory R	eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Eurofins Midland

## Sample Summary

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

1
1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31964-1	HB01	Solid	08/11/23 09:05	08/11/23 14:00
880-31964-2	HB02	Solid	08/11/23 09:10	08/11/23 14:00
880-31964-3	HB03	Solid	08/11/23 09:15	08/11/23 14:00
880-31964-4	HB04	Solid	08/11/23 09:20	08/11/23 14:00
880-31964-5	HB05	Solid	08/11/23 09:25	08/11/23 14:00
380-31964-6	HB06	Solid	08/11/23 09:30	08/11/23 14:00
880-31964-7	HB07	Solid	08/11/23 09:35	08/11/23 14:00
880-31964-8	HB08	Solid	08/11/23 09:40	08/11/23 14:00
880-31964-9	HB09	Solid	08/11/23 09:45	08/11/23 14:00

n of Custody	uments		metas RACL superuna	PST/UST TRRP Level IV	Other	Procentative Codes	None NO DI Water H <sub>2</sub> O			H <sub>2</sub> S0₄ H <sub>2</sub> NaOH Na u PA UP	NaHSO , NARIS	Na 25 203 NaSO 3	Zn Acetate+NaOH Zn	NaOH+Ascorbic Acid. SAPC	Sample Comments											II Sn U V Zn 7470 / 7471		fate/lime				Revised Date: 08/25/2020 Rev. 2020.2
K 880-31964 Chain of Custody	, Work Order Comments			el II 🗌 Level III 🗍	Deliverables. EDD ADaPT				±			· <u> </u>														II K Se Ag SIO <sub>2</sub> Na Sr Hg 1631/2451/		ousy negotiated.	Conserved for the second se			
<b>Custody</b> , Dallas, TX (214) 902-0300 in Antonio, TX (210) 509-3334 ubbock, TX (806) 794-1296 carlsbad, NM (575) 988-3199			<u> </u>	Re		ANALYSIS REQUEST						Sal			42									3		v Sb As Ba Be Cd Cr Co Cu Pb Min Mo Ni Se Ag SiO <sub>2</sub> Na Sr V Sb As Ba Be Cd Cr Co Cu Pb Min Mo Ni Se Ag TI U Hg 1631/2451.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliales and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be lable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to eacy Polect and a charge of \$55 for each submitted to Eurofins Xenco. In the analyzed These servicual to access and the control	Relinguished by (Signature)	(4ev) 2	4	6	
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440 San Antonis, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392 7550 Carlsbad, NM (575) 988-3199	(if different)	' Name		a ZIP-			Code	1007	eived by	sters				4	Grab/ # of A Comp Cont F								)	>	c 11 AI Ch Ac Ra Ra	8RCRA Sb As Ba Be	company to Eurofins Xenco, its affi y losses or expenses incurred by th ble submitted to Eurofins Xenco. bu	Date/Time	Shiler 6			
yad A	Aflee Bill to (if	Company Name	Address	City, State ZIP	Email	LACT Turn Around	Routine Rush	Due Date 20	TAT starts the day received by the lab, if received by 4:30pm	Yes (No ) Wet Ice			Temperature Reading: 0 2	Corrected Temperature	Date Time Depth Sampled Sampled	5/11/23 0705	0110	CR15	0260	0925	0230	0235	0840	5442	RCRA 13PPM Texas 11 AI	yzed TCLP / SPLP 6010	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client, of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for an of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each Polect and a charge of \$5 for each samp	Received by (Signature)	KITNNE			
Ofins Livi onment Xe inc	Guard Mc A	Resolute				Harekberry LA	-			Temp Blank.	Yes No	Yes Nd N/A	Yes No N/A		Sample Identification Matrix	2								×	5010 200.8 / 6020: 	Circle Method(s) and Metal(s) to be analyzed	document and relinquishment of sample. to will be liable only for the cost of sample imum charge of \$85.00 will be applied to	by (Signature)				
🐝 eurofins	Project Manager	Company Name	Address.	City, State ZIP-	Phone-	Project Name	Project Number	Project Location	Sampler's Name PO #	SAMPLE RECEIPT	Samples Received Intact:	Cooler Custody Seals:	Total Container		Sample Ide		148 02	4803	HB OH	HBOS			1000	1.2 6.1	Total 200.7 / 6010	Circle Method(:	Notice: Signature of this ( of service. Eurofins Xenc of Eurofins Xenco. A mini	Relinguished by (Signature)	I AN	3	5	

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## Login Sample Receipt Checklist

Client: Resolute Compliance LLC

## Login Number: 31964 List Number: 1 Creator: Rodriguez, Leticia

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

## Job Number: 880-31964-1

List Source: Eurofins Midland

Received by OCD: 9/27/2023 12:00:19 AM



**Environment Testing** 

## **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Grant McAfee Resolute Compliance LLC 115 FM 2453 Suite A Royse City, Texas 75189 Generated 8/23/2023 11:54:33 AM

## JOB DESCRIPTION

Hackberry LACT

## **JOB NUMBER**

880-31894-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701





## **Eurofins Midland**

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization

AMER

Generated 8/23/2023 11:54:33 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Sample Summary	20
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	Definitions/Glossary	
Client: Resolute Project/Site: Ha	e Compliance LLC ackberry LACT	Job ID: 880-31894-1
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
S1-	Surrogate recovery exceeds control limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

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## 1 2 3 4 5 6 7 8 9 10 11

## Job ID: 880-31894-1

## Laboratory: Eurofins Midland

### Narrative

Job Narrative 880-31894-1

### Receipt

The samples were received on 8/10/2023 9:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: LM HB 10 (880-31894-1), LM HB 11 (880-31894-2), LM HB 12 (880-31894-3) and LM HB 13 (880-31894-4).

### GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: LM HB 12 (880-31894-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-60581 and analytical batch 880-60780 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The method blank for preparation batch 880-60581 and analytical batch 880-60780 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

### GC Semi VOA

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-60604 and analytical batch 880-60630 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: LM HB 10 (880-31894-1), LM HB 11 (880-31894-2), LM HB 12 (880-31894-3), LM HB 13 (880-31894-4), (880-32303-A-21-B), (880-32303-A-21-C MS) and (880-32303-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60630/31), (CCV 880-60630/47), (CCV 880-60630/58) and (LCSD 880-60604/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-60604 and analytical batch 880-60630 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-60604 and analytical batch 880-60630 was outside control limits. Sample non-homogeneity is suspected.

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

### HPLC/IC

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

## **Client Sample Results**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## Client Sample ID: LM HB 10 Date Collected: 08/09/23 13:30

Date Received: 08/10/23 09:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/18/23 15:00	08/22/23 16:33	
Toluene	<0.00198	U	0.00198		mg/Kg		08/18/23 15:00	08/22/23 16:33	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/18/23 15:00	08/22/23 16:33	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/18/23 15:00	08/22/23 16:33	
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/18/23 15:00	08/22/23 16:33	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/18/23 15:00	08/22/23 16:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		70 - 130				08/18/23 15:00	08/22/23 16:33	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/18/23 15:00	08/22/23 16:33	î
Method: TAL SOP Total BTEX - T	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/23/23 12:35	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
									D11 E -
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DIFac
Analyte Total TPH	Result <50.0		RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/21/23 14:40	
Analyte	<50.0	U	50.0	MDL		<u> </u>	Prepared		
Analyte Total TPH	<pre>&lt;50.0</pre>	U	50.0	MDL	mg/Kg	D	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	<pre>&lt;50.0</pre>	U nics (DRO) Qualifier			mg/Kg			08/21/23 14:40	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	U nics (DRO) Qualifier U	50.0 (GC) RL		mg/Kg Unit		Prepared	08/21/23 14:40 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<50.0 sel Range Orga Result <50.0	U nics (DRO) Qualifier U	50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 08/18/23 18:11	08/21/23 14:40 Analyzed 08/21/23 02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	Sel Range Orga Result <50.0 <50.0 <50.0	U nics (DRO) Qualifier U U U	50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11	O8/21/23         14:40           Analyzed         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	U nics (DRO) Qualifier U	50.0 (GC) <u>RL</u> 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared	08/21/23 14:40 Analyzed 08/21/23 02:05 08/21/23 02:05 08/21/23 02:05 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <122	U nics (DRO) Qualifier U U U	50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11	O8/21/23         14:40           Analyzed         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <i>%Recovery</i> 122 131	U nics (DRO) Qualifier U U U Qualifier S1+	50.0         (GC)         RL         50.0         50.0         50.0         50.0         50.0         50.0         70.130         70.130         70.130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared 08/18/23 18:11	O8/21/23         14:40           Analyzed         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 250.0 250.0 MRecovery 122 131 Chromatograp	U nics (DRO) Qualifier U U U Qualifier S1+	50.0         (GC)         RL         50.0         50.0         50.0         50.0         50.0         50.0         70.130         70.130         70.130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared 08/18/23 18:11	O8/21/23         14:40           Analyzed         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05           08/21/23         02:05         08/21/23         02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 250.0 250.0 MRecovery 122 131 Chromatograp	U nics (DRO) Qualifier U U Qualifier S1+	(GC) <u>RL</u> 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 e	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared 08/18/23 18:11 08/18/23 18:11	08/21/23 14:40 Analyzed 08/21/23 02:05 08/21/23 02:05 08/21/23 02:05 Analyzed 08/21/23 02:05 08/21/23 02:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<50.0 Sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <250.0  %Recovery 122 131 Chromatograp Result	U nics (DRO) Qualifier U U Qualifier S1+	50.0         RL         50.0	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared 08/18/23 18:11 08/18/23 18:11 08/18/23 18:11 Prepared	08/21/23 14:40 Analyzed 08/21/23 02:05 08/21/23 02:05 08/21/23 02:05 Analyzed Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/18/23 15:00	08/22/23 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/18/23 15:00	08/22/23 16:54	1
1,4-Difluorobenzene (Surr)	74		70 - 130				08/18/23 15:00	08/22/23 16:54	1

Eurofins Midland

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Job ID: 880-31894-1

## Lab Sample ID: 880-31894-1

Matrix: Solid

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Released to Imaging: 9/27/2023 9:44:53 AM

Job ID: 880-31894-1

## Project/Site: Hackberry LACT **Client Sample ID: LM HB 11**

C10-C28)

Client: Resolute Compliance LLC

Lab Sample ID: 880-31894-2
----------------------------

Method: TAL SOP Total BTEX - To	Ital BTEX Calc	Julation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:35	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	112		50.0		mg/Kg			08/21/23 14:40	1
- Method: SW846 8015B NM - Diese	el Range Orga	inics (DRO)	) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/18/23 18:11	08/21/23 02:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	112		50.0		mg/Kg		08/18/23 18:11	08/21/23 02:26	1
C10-C28)	-50.0		50.0				00/40/00 40:44	00/04/00 00:00	4
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 18:11	08/21/23 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/18/23 18:11	08/21/23 02:26	1
o-Terphenyl	139	S1+	70 - 130				08/18/23 18:11	08/21/23 02:26	1
- Method: EPA 300.0 - Anions, Ion (	Chromatograr	ohy - Solub!	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.3		4.99		mg/Kg			08/11/23 22:06	1

## Client Sample ID: LM HB 12

Date Collected: 08/09/23 13:40 Date Received: 08/10/23 09:04

Method: SW846 8021B - Volatile Organic Compounds (GC)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/18/23 15:00	08/22/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/18/23 15:00	08/22/23 17:14	1
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130				08/18/23 15:00	08/22/23 17:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/23 12:35	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (O	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/21/23 14:40	1
- Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Method. Swoto Stribb Mill - Di									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	RL	MDL	Unit mg/Kg	<u> </u>	Prepared 08/18/23 18:11	Analyzed 08/21/23 02:48	Dil Fac
Analyte	Result	Qualifier		MDL		D			Dil Fac 1

**Eurofins Midland** 

Released to Imaging: 9/27/2023 9:44:53 AM

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12 13

Job ID: 880-31894-1

Lab Sample ID: 880-31894-3

## Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## Client Sample ID: LM HB 12 Date Collected: 08/09/23 13:40

Date Received: 08/10/23 09:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/18/23 18:11	08/21/23 02:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				08/18/23 18:11	08/21/23 02:48	1
o-Terphenyl	154	S1+	70 - 130				08/18/23 18:11	08/21/23 02:48	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	99.2		4.98		mg/Kg			08/11/23 22:13	

## Client Sample ID: LM HB 13

Date Collected: 08/09/23 13:45

Date Received: 08/10/23 09:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/18/23 15:00	08/22/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/18/23 15:00	08/22/23 17:35	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/18/23 15:00	08/22/23 17:35	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/23 12:35	1

	Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (O	GC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:40	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		08/18/23 18:11	08/21/23 03:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		08/18/23 18:11	08/21/23 03:09	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 18:11	08/21/23 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				08/18/23 18:11	08/21/23 03:09	1
o-Terphenyl	165	S1+	70 - 130				08/18/23 18:11	08/21/23 03:09	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		5.04		mg/Kg			08/11/23 22:19	1

Matrix: Solid

Matrix: Solid

**Eurofins Midland** 

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

Matrix: Solid

-				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-31831-A-1-C MS	Matrix Spike	108	115		
880-31831-A-1-D MSD	Matrix Spike Duplicate	117	129		
880-31894-1	LM HB 10	97	77		
880-31894-2	LM HB 11	98	74		
380-31894-3	LM HB 12	98	57 S1-		
380-31894-4	LM HB 13	99	83		
LCS 880-60581/1-A	Lab Control Sample	115	114		
LCSD 880-60581/2-A	Lab Control Sample Dup	120	111		
MB 880-60581/5-A	Method Blank	73	97		
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31894-1	LM HB 10	122	131 S1+	
880-31894-2	LM HB 11	129	139 S1+	
880-31894-3	LM HB 12	147 S1+	154 S1+	
880-31894-4	LM HB 13	156 S1+	165 S1+	
880-32303-A-21-C MS	Matrix Spike	134 S1+	134 S1+	
880-32303-A-21-D MSD	Matrix Spike Duplicate	155 S1+	150 S1+	
LCS 880-60604/2-A	Lab Control Sample	104	116	
LCSD 880-60604/3-A	Lab Control Sample Dup	128	143 S1+	
MB 880-60604/1-A	Method Blank	137 S1+	155 S1+	

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

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Job ID: 880-31894-1

Prep Type: Total/NA

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

Lab Sample ID: MB 880-60581/5-A Matrix: Solid Analysis Batch: 60780							Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batcł	Total/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				08/18/23 15:00	08/22/23 11:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/18/23 15:00	08/22/23 11:44	1
 Lab Sample ID: LCS 880-60581/1-A						C	lient Sample I	D: Lab Control	Sample

## Analysis Batch: 60780

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1021		mg/Kg		102	70 - 130	
Toluene	0.100	0.1127		mg/Kg		113	70 - 130	
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2489		mg/Kg		124	70 - 130	
o-Xylene	0.100	0.1285		mg/Kg		129	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

## Lab Sample ID: LCSD 880-60581/2-A

## Matrix: Solid

Analysis Batch: 60780							Prep	Batch:	60581
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1065		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.1182		mg/Kg		118	70 - 130	5	35
Ethylbenzene	0.100	0.1163		mg/Kg		116	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2583		mg/Kg		129	70 - 130	4	35
o-Xylene	0.100	0.1303		mg/Kg		130	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

## Lab Sample ID: 880-31831-A-1-C MS

### Matrix: Solid Analysis Ratch: 60790

Analysis Batch: 60780									Prep	Batch: 60581
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U F1 F2	0.0996	0.06171	F1	mg/Kg		61	70 - 130	
Toluene	<0.00198	U F1 F2	0.0996	0.05424	F1	mg/Kg		54	70 - 130	

**Eurofins Midland** 

Prep Type: Total/NA

**Client Sample ID: Matrix Spike** 

## Job ID: 880-31894-1

Prep Batch: 60581

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

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Client: Resolute Compliance LLC Project/Site: Hackberry LACT

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

Lab Sample ID: 880-31831-4	A-1-C MS							Client	Sample ID		
Matrix: Solid										Type: To	
Analysis Batch: 60780	<b>.</b> .	<b>.</b> .	0.11							Batch:	6058
	•	Sample	Spike		MS		_	~ -	%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D		Limits		
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.04807	F1	mg/Kg		48	70 - 130		
m-Xylene & p-Xylene	<0.00396		0.199	0.09365	F1	mg/Kg		47	70 - 130		
o-Xylene	<0.00198	U F1	0.0996	0.05366	F1	mg/Kg		54	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								
Lab Sample ID: 880-31831-4						Cli	iont 9	Samnlo II	): Matrix S	niko Dur	alicate
Matrix: Solid								Jumpio II		Гуре: То	
Analysis Batch: 60780										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec	Batom	RPE
Analyte	•	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00198	U F1 F2	0.0994	0.1003	F2	mg/Kg		100	70 - 130	48	3
Toluene	<0.00198	U F1 F2	0.0994	0.08992	F2	mg/Kg		90	70 - 130	49	3
Ethylbenzene	<0.00198	U F1 F2	0.0994	0.07216	F2	mg/Kg		73	70 - 130	40	3
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.199	0.1549	F2	mg/Kg		78	70 - 130	49	3
o-Xylene	<0.00198	U F1	0.0994	0.07602		mg/Kg		76	70 - 130	34	3
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	129		70 - 130								
lethod: 8015B NM - Die	sel Range O	rganics (E	DRO) (GC)								
Lab Sample ID: MB 880-606	04/1-A							Client	Sample ID:	Method	Blani
Matrix: Solid										Type: To	
Analysis Batch: 60630									Prep		

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Lab Sample ID: LCS 880-60604/2-A					Client	Sample	ID: Lab Co	ontrol Sample
Matrix: Solid							Prep 1	ype: Total/NA
Analysis Batch: 60630							Prep	Batch: 60604
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1056		mg/Kg		106	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1002		mg/Kg		100	70 - 130	

70 - 130

155 S1+

08/18/23 18:11 08/20/23 19:33

Job ID: 880-31894-1

o-Terphenyl

C10-C28)

1

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

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

Lab Sample ID: LCS 880-60604/2 Matrix: Solid	2-A						Client	Sample	ID: Lab Co Prep 1	ontrol Sa Type: Tot	
Analysis Batch: 60630										Batch:	
	105	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	104	Quanner	70 - 130								
o-Terphenyl	116		70 - 130								
	110		10-100								
Lab Sample ID: LCSD 880-60604	1/3-A					Clier	nt Sam	ple ID: I	Lab Contro	Sample	e Dup
Matrix: Solid								·		· Type: Tot	
Analysis Batch: 60630										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics			1000	1024		mg/Kg		102	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1053		mg/Kg		105	70 - 130	5	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	128		70 - 130								
o-Terphenyl	143	S1+	70 - 130								
Lab Sample ID: 880-32303-A-21-	-C MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 60630									Prep	Batch:	60604
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.3	U F2	994	904.1		mg/Kg		88	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.3	U	994	1089		mg/Kg		107	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	134	S1+	70 - 130								
1-Chlorooctane	134	S1+ S1+	70 <u>-</u> 130 70 <u>-</u> 130								
1-Chlorooctane	134										
1-Chlorooctane o-Terphenyl	134 134					Cli	ent Sa	ample ID	): Matrix Sp	oike Dup	licate
	134 134					Cli	ent Sa	ample ID		oike Dup Type: Tot	
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21-	134 134					Cli	ent Sa	ample ID	Prep 1		tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid	134 134 •D MSD			MSD	MSD	Cli	ent Sa	ample ID	Prep 1	Type: To	tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630	134 134 •D MSD Sample	S1+	70 - 130		MSD Qualifier	Cli Unit	ent Sa	ample ID %Rec	Prep T Prep	Type: To	tal/NA 60604
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte	134 134 •D MSD Sample Result	S1+	70 <u>-</u> 130 Spike		Qualifier			-	Prep 1 Prep %Rec	Type: To Batch:	tal/NA 60604 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics (GRO)-C6-C10	134 134 •D MSD Sample Result <50.3	S1+ Sample Qualifier U F2	70 - 130 Spike Added 994	Result 1226	Qualifier	Unit		%Rec	Prep 1 Prep %Rec Limits	Batch:	tal/NA 60604 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	134 134 •D MSD Sample Result	S1+ Sample Qualifier U F2	70 - 130 Spike Added	Result	Qualifier	Unit		%Rec	Prep 1 Prep %Rec Limits	Batch:	tal/NA 60604 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	134 134 •D MSD Sample Result <50.3	S1+ Sample Qualifier U F2	70 - 130 Spike Added 994	Result 1226	Qualifier	_ <mark>Unit</mark> mg/Kg		<b>%Rec</b> 120	Prep 7 Prep %Rec Limits 70 - 130	RPD       30	tal/NA 60604 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	134 134 •D MSD Sample Result <50.3 <50.3	S1+ Sample Qualifier U F2	70 - 130 Spike Added 994	Result 1226	Qualifier	_ <mark>Unit</mark> mg/Kg		<b>%Rec</b> 120	Prep 7 Prep %Rec Limits 70 - 130	RPD       30	tal/NA 60604 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics	134 134 •D MSD Sample Result <50.3 <50.3	S1+ Sample Qualifier U F2 U MSD	70 - 130 Spike Added 994	Result 1226	Qualifier	_ <mark>Unit</mark> mg/Kg		<b>%Rec</b> 120	Prep 7 Prep %Rec Limits 70 - 130	RPD       30	tal/NA 60604 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 880-32303-A-21- Matrix: Solid Analysis Batch: 60630 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	134 134 •D MSD Sample Result <50.3 <50.3 %Recovery	S1+ Sample Qualifier U F2 U MSD	70 - 130 Spike Added 994 994	Result 1226	Qualifier	_ <mark>Unit</mark> mg/Kg		<b>%Rec</b> 120	Prep 7 Prep %Rec Limits 70 - 130	RPD       30	tal/NA 60604 RPD Limit

Job ID: 880-31894-1

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

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lob	ID:	880-31	894-1	

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59887/1-A												Client S	ample ID:	Method	Blank
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 60020															
		MB	MB												
Analyte			Qualifier		RL		MDL	Unit		D	P	repared	Analy		Dil Fac
Chloride	•	<5.00	U		5.00			mg/Kg					08/11/23	21:26	1
Lab Sample ID: LCS 880-59887/2-A										CI	ient	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 60020															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Quali	ifier	Unit		D	%Rec	Limits		
Chloride				250		261.8			mg/Kg			105	90 _ 110		
Lab Sample ID: LCSD 880-59887/3-	A								Cli	ent s	Sam	ple ID:	Lab Contro	ol Sampl	le Duj
Matrix: Solid													Prep	Type: S	olubl
Analysis Batch: 60020															
				Spike		LCSD	LCSE	C					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride				250		262.0			mg/Kg			105	90 - 110	0	20
Lab Sample ID: 880-31894-1 MS												Clie	ent Sample	D: LM	HB 1(
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 60020															
	Sample	Sam	ple	Spike		MS	MS						%Rec		
Analyte	Result	Qual	ifier	Added		Result	Quali	ifier	Unit		D	%Rec	Limits		
	67.1			251		322.4			mg/Kg			102	90 - 110		
Chloride	07.1														
	07.1											Clie	ent Sample	D: LM	HB 10
Lab Sample ID: 880-31894-1 MSD	07.1											Clie		e ID: LM Type: S	
Lab Sample ID: 880-31894-1 MSD Matrix: Solid	07.1											Clie			
Lab Sample ID: 880-31894-1 MSD Matrix: Solid	Sample	Sam	ple	Spike		MSD	MSD					Clie			oluble
Chloride Lab Sample ID: 880-31894-1 MSD Matrix: Solid Analysis Batch: 60020 Analyte				Spike Added		MSD Result		ifier	Unit		D	Clie %Rec	Prep		

**Client Sample ID** 

LM HB 10

LM HB 11

LM HB 12

LM HB 13

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

## **QC Association Summary**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

**GC VOA** 

880-31894-1

880-31894-2

880-31894-3

880-31894-4

MB 880-60581/5-A

LCS 880-60581/1-A

LCSD 880-60581/2-A

880-31831-A-1-C MS

Prep Batch: 60581 Lab Sample ID

Prep Batch

Job ID: 880-31894-1

## 8

880-31831-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		
Analysis Batch: 60780						9
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-31894-1	LM HB 10	Total/NA	Solid	8021B	60581	
880-31894-2	LM HB 11	Total/NA	Solid	8021B	60581	
880-31894-3	LM HB 12	Total/NA	Solid	8021B	60581	
880-31894-4	LM HB 13	Total/NA	Solid	8021B	60581	
MB 880-60581/5-A	Method Blank	Total/NA	Solid	8021B	60581	
LCS 880-60581/1-A	Lab Control Sample	Total/NA	Solid	8021B	60581	4.0
LCSD 880-60581/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60581	13
880-31831-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	60581	
880-31831-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60581	

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Method

5035

5035

5035

5035

5035

5035

5035

5035

### Analysis Batch: 60917

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Total/NA	Solid	Total BTEX	
880-31894-2	LM HB 11	Total/NA	Solid	Total BTEX	
880-31894-3	LM HB 12	Total/NA	Solid	Total BTEX	
880-31894-4	LM HB 13	Total/NA	Solid	Total BTEX	

## GC Semi VOA

### Prep Batch: 60604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Total/NA	Solid	8015NM Prep	
880-31894-2	LM HB 11	Total/NA	Solid	8015NM Prep	
880-31894-3	LM HB 12	Total/NA	Solid	8015NM Prep	
880-31894-4	LM HB 13	Total/NA	Solid	8015NM Prep	
MB 880-60604/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60604/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60604/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32303-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-32303-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 60630

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Total/NA	Solid	8015B NM	60604
880-31894-2	LM HB 11	Total/NA	Solid	8015B NM	60604
880-31894-3	LM HB 12	Total/NA	Solid	8015B NM	60604
880-31894-4	LM HB 13	Total/NA	Solid	8015B NM	60604
MB 880-60604/1-A	Method Blank	Total/NA	Solid	8015B NM	60604
LCS 880-60604/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60604

**Eurofins Midland** 

Released to Imaging: 9/27/2023 9:44:53 AM

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

## GC Semi VOA (Continued)

## Analysis Batch: 60630 (Continued)

Lab Sample II	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCSD 880-60	604/3-A Lab Control Sample Dup	Total/NA	Solid	8015B NM	60604
880-32303-A-	21-C MS Matrix Spike	Total/NA	Solid	8015B NM	60604
880-32303-A-	21-D MSD Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60604
Analysis Ba	tch: 60748				

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Total/NA	Solid	8015 NM	
880-31894-2	LM HB 11	Total/NA	Solid	8015 NM	
880-31894-3	LM HB 12	Total/NA	Solid	8015 NM	
880-31894-4	LM HB 13	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 59887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Soluble	Solid	DI Leach	
880-31894-2	LM HB 11	Soluble	Solid	DI Leach	
880-31894-3	LM HB 12	Soluble	Solid	DI Leach	
880-31894-4	LM HB 13	Soluble	Solid	DI Leach	
MB 880-59887/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59887/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59887/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31894-1 MS	LM HB 10	Soluble	Solid	DI Leach	
880-31894-1 MSD	LM HB 10	Soluble	Solid	DI Leach	

## Analysis Batch: 60020

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-31894-1	LM HB 10	Soluble	Solid	300.0	59887
880-31894-2	LM HB 11	Soluble	Solid	300.0	59887
880-31894-3	LM HB 12	Soluble	Solid	300.0	59887
880-31894-4	LM HB 13	Soluble	Solid	300.0	59887
MB 880-59887/1-A	Method Blank	Soluble	Solid	300.0	59887
LCS 880-59887/2-A	Lab Control Sample	Soluble	Solid	300.0	59887
LCSD 880-59887/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59887
880-31894-1 MS	LM HB 10	Soluble	Solid	300.0	59887
880-31894-1 MSD	LM HB 10	Soluble	Solid	300.0	59887

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## Job ID: 880-31894-1

Job ID: 880-31894-1

## Lab Sample ID: 880-31894-1

Matrix: Solid

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Client Sample ID: LM HB 10 Date Collected: 08/09/23 13:30

Project/Site: Hackberry LACT

Client: Resolute Compliance LLC

Date Received: 08/10/23 09:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60581	08/18/23 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 16:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60917	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60748	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60604	08/18/23 18:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/21/23 02:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 21:46	SMC	EET MID

## Lab Sample ID: 880-31894-2

Lab Sample ID: 880-31894-3

Lab Sample ID: 880-31894-4

Matrix: Solid

Matrix: Solid

## Date Collected: 08/09/23 13:35 Date Received: 08/10/23 09:04

Client Sample ID: LM HB 11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60581	08/18/23 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 16:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60917	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60748	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60604	08/18/23 18:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/21/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:06	SMC	EET MID

## Client Sample ID: LM HB 12 Date Collected: 08/09/23 13:40

## Date Received: 08/10/23 09:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60581	08/18/23 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 17:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60917	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60748	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60604	08/18/23 18:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/21/23 02:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:13	SMC	EET MID

## Client Sample ID: LM HB 13 Date Collected: 08/09/23 13:45 Date Received: 08/10/23 09:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60581	08/18/23 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 17:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60917	08/23/23 12:35	SM	EET MID

Eurofins Midland

Matrix: Solid

## Released to Imaging: 9/27/2023 9:44:53 AM

Project/Site: Hackberry LACT

## Client Sample ID: LM HB 13 Date Collected: 08/09/23 13:45 Date Received: 08/10/23 09:04

lob ID: 880-31894-1

## Lab Sample ID: 880-31894-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60748	08/21/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60604	08/18/23 18:11	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60630	08/21/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:19	SMC	EET MID

### Laboratory References:

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

Eurofins Midland

Released to Imaging: 9/27/2023 9:44:53 AM
Accreditation/Certification Summary

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Client: Resolute Compl	liance I I C		_	Job ID: 880-31894-	.1
Project/Site: Hackberry					2
Laboratory: Eurofi	ins Midland				- 2
Unless otherwise noted, all a	inalytes for this laborato	ry were covered under each ac	creditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas The following analytes a	are included in this repo	NELAP	T104704400-23-26	06-30-24	5
the agency does not off Analysis Method		Matrix	Analyte	,	
8015 NM Total BTEX		Solid Solid	Total TPH Total BTEX		
					8

Eurofins Midland

.

### **Method Summary**

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

Job ID: 880-31894-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
Protocol Refe			
EPA = US	.STM International Environmental Protection Agency "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	tion, November 1986 And Its Updates.	
TAL SOP	= TestAmerica Laboratories, Standard Operating Procedure		
	eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Laboratory References:

LM HB 13

### Sample Summary

Client: Resolute Compliance LLC Project/Site: Hackberry LACT

880-31894-4

Job ID: 880-31894-1

08/10/23 09:04

08/09/23 13:45

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31894-1	LM HB 10	Solid	08/09/23 13:30	08/10/23 09:04
880-31894-2	LM HB 11	Solid	08/09/23 13:35	08/10/23 09:04
880-31894-3	LM HB 12	Solid	08/09/23 13:40	08/10/23 09:04

Solid

### Login Sample Receipt Checklist

Client: Resolute Compliance LLC

#### Login Number: 31894 List Number: 1 Creator: Rodriguez, Leticia

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

#### Job Number: 880-31894-1

List Source: Eurofins Midland

Received by OCD: 9/27/2023 12:00:19 AM



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Grant McAfee Resolute Compliance LLC 115 FM 2453 Suite A Royse City, Texas 75189 Generated 8/24/2023 3:58:47 PM

# JOB DESCRIPTION

## **JOB NUMBER**

890-5128-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220





## **Eurofins Carlsbad**

### Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

### **Authorization**

AMER

Generated 8/24/2023 3:58:47 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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LOQ

MCL

MDA

MDC

MDL

ML

MPN

MQL NC

ND

NEG

POS

PQL

QC

RER RL

RPD

TEF TEQ

TNTC

PRES

Limit of Quantitation (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present

Presumptive

**Quality Control** 

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

	Definitions/Glossary		
Client: Resolute	e Compliance LLC	Job ID: 890-5128-1	
Qualifiers			2
GC VOA			3
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		5
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			8
Abbreviation	These commonly used abbreviations may or may not be present in this report.		9
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		4 2
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		13
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		

**Case Narrative** 

#### Job ID: 890-5128-1

#### Laboratory: Eurofins Carlsbad

#### Narrative

Job Narrative 890-5128-1

#### Receipt

The sample was received on 8/18/2023 11:55 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

#### **Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: HB-07 (890-5128-1).

#### GC VOA

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

#### GC Semi VOA

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-60741 and analytical batch 880-60776 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (890-5126-A-1-D) and (890-5126-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60776/20) and (CCV 880-60776/5). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

Job ID: 890-5128-1

### **Client Sample Results**

Matrix: Solid

5

Job ID: 890-5128-1

Lab Sample ID: 890-5128-1

### Client Sample ID: HB-07 Date Collected: 08/18/23 00:00

Client: Resolute Compliance LLC

Date Received: 08/18/23 11:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/24/23 09:32	08/24/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				08/24/23 09:32	08/24/23 14:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/24/23 09:32	08/24/23 14:38	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/23 16:52	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/23/23 11:00	1
Method: SW846 8015B NM - D	)iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		08/21/23 14:10	08/22/23 12:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U	50.2		mg/Kg		08/21/23 14:10	08/22/23 12:16	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/21/23 14:10	08/22/23 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/21/23 14:10	08/22/23 12:16	1
o-Terphenyl	107		70 - 130				08/21/23 14:10	08/22/23 12:16	1
— Г									
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Chloride	78.3	5.02	mg/Kg	08/21/23 13:39	1

Eurofins Carlsbad

Released to Imaging: 9/27/2023 9:44:53 AM

### **Surrogate Summary**

Client: Resolute Compliance LLC

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-32411-A-1-B MS	Matrix Spike	89	93		5
880-32411-A-1-C MSD	Matrix Spike Duplicate	79	96		
890-5128-1	HB-07	77	99		6
LCS 880-60970/1-A	Lab Control Sample	74	88		
LCSD 880-60970/2-A	Lab Control Sample Dup	92	89		
MB 880-60970/5-A	Method Blank	95	112		
Surrogate Legend					8

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID.	Client Sample ID	(70-130)	(70-130)	
90-5126-A-1-E MS	Matrix Spike	133 S1+	104	
90-5126-A-1-F MSD	Matrix Spike Duplicate	129	101	
0-5128-1	HB-07	120	107	
S 880-60741/2-A	Lab Control Sample	107	91	
CSD 880-60741/3-A	Lab Control Sample Dup	123	106	
/IB 880-60741/1-A	Method Blank	187 S1+	168 S1+	

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Prep Type: Total/NA

Prep Type: Total/NA

### **QC Sample Results**

Client: Resolute Compliance LLC

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

Lab Sample ID: MB 880-60970/5 Matrix: Solid Analysis Batch: 60963	5-А мв	МВ					Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 09:32	08/24/23 13:28	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/24/23 09:32	08/24/23 13:28	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/24/23 09:32	08/24/23 13:28	1

#### Lab Sample ID: LCS 880-60970/1-A Matrix: Solid

#### Analysis Batch: 60963 Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit D %Rec Benzene 0.100 0.08894 mg/Kg 89 70 - 130 Toluene 0.100 0.09456 mg/Kg 95 70 - 130 0.100 0.07908 Ethylbenzene mg/Kg 0.200 0.1497 m-Xylene & p-Xylene mg/Kg 0.07027 0.100 o-Xylene mg/Kg

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

#### Lab Sample ID: LCSD 880-60970/2-A Matrix: Solid Analysis Batch: 60963

Analysis Batch: 60963								Batch:	60970
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	13	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	10	35
Ethylbenzene	0.100	0.09884		mg/Kg		99	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	30	35
o-Xylene	0.100	0.09357		mg/Kg		94	70 - 130	28	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

#### Lab Sample ID: 880-32411-A-1-B MS Matrix: Solid

#### Analysis Batch: 60963

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.09051		mg/Kg		91	70 - 130	
Toluene	<0.00199	U	0.0996	0.09517		mg/Kg		95	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08335		mg/Kg		84	70 - 130	

**Eurofins Carlsbad** 

Prep Type: Total/NA

Prep Batch: 60970

**Client Sample ID: Matrix Spike** 

7

Job ID: 890-5128-1

08/24/23 09:32	08/24/23 13:28	1
Client Sample II	D: Lab Control Sa	mple
	Prep Type: Tot	al/NA

Prep Batch: 60970

Prep Type: Total/NA

130
130
130

Client Sample ID: Lab Control Sample Dup

### Released to Imaging: 9/27/2023 9:44:53 AM

### **QC Sample Results**

Client: Resolute Compliance LLC

Job ID: 890-5128-1

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

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	•	· ·		,					
Lab Sample ID: 880-32411-A	-1-B MS							Client	Sample ID: Matrix Sp
Matrix: Solid									Prep Type: Total
Analysis Batch: 60963									Prep Batch: 60
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1593		mg/Kg		80	70 - 130
o-Xylene	<0.00199	U	0.0996	0.07229		mg/Kg		72	70 - 130
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						

70 - 130

#### Lab Sample ID: 880-32411-A-1-C MSD Matrix: Solid \_ \_ \_ \_ \_

1,4-Difluorobenzene (Surr)

Analysis Batch: 60963									Prep	Batch:	60970
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	< 0.00199	U	0.100	0.09915		mg/Kg		99	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09538		mg/Kg		94	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.07873		mg/Kg		79	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1546		mg/Kg		77	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07085		mg/Kg		70	70 - 130	2	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	79		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-60741/1-/ Matrix: Solid	A						Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 60776								Prep Batch	
	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/23 14:10	08/22/23 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/23 14:10	08/22/23 08:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/23 14:10	08/22/23 08:13	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130				08/21/23 14:10	08/22/23 08:13	1
o-Terphenyl	168	S1+	70 - 130				08/21/23 14:10	08/22/23 08:13	1
- Lab Sample ID: LCS 880-60741/2	-A					С	lient Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: 1	
Applycic Potch: 60776								Bron Batek	

Analysis Batch: 60776							Prep	Batch: 6	JU/41
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	938.0		mg/Kg		94	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	881.7		mg/Kg		88	70 - 130		
C10-C28)									

Eurofins Carlsbad

4 5 7 **Client Sample ID: Matrix Spike Duplicate** Prep Type: Total/NA

### **QC Sample Results**

Client: Resolute Compliance LLC

Job ID: 890-5128-1

	LC								JOD II	D: 890-5	128-1
lethod: 8015B NM - Dies	sel Range Or	ganics ([	)RO) (GC) (C	Continue	€d)						
Lab Sample ID: LCS 880-607	741/2-4						Client	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid								••••••		Type: Tot	-
Analysis Batch: 60776										Batch:	
•	LCS		1 : 14-								
Surrogate 1-Chlorooctane	% <i>Recovery</i>	Qualifier	Limits 70 - 130								
	91		70 - 130 70 - 130								
o-Terphenyl	51		10 - 130								
Lab Sample ID: LCSD 880-60	0741/3- <b>A</b>					Clier	nt Sam	ple ID: I	Lab Contro	Sampl	e Dup
Matrix: Solid										ype: Tot	
Analysis Batch: 60776										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics		·	1000	1012		mg/Kg		101	70 - 130	8	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	995.8		mg/Kg		100	70 - 130	12	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	106		70 - 130								
Lab Sample ID: 890-5126-A-1	1-E MS							Client	Sample ID:	: Matrix	Spike
Matrix: Solid										Type: Tot	-
Analysis Batch: 60776										Batch:	
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Filmiyio					-						
	<49.6	U	995	1258		mg/Kg		124	70 - 130		
Gasoline Range Organics (GRO)-C6-C10											
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 <49.6		995	1258 1150		mg/Kg mg/Kg		124 114	70 <sub>-</sub> 130 70 <sub>-</sub> 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over											
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U									
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 <b>MS</b>	U <b>MS</b>									
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.6 MS %Recovery	U <b>MS</b>	995								
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	<49.6 MS %Recovery	U MS Qualifier	995 Limits								
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	<49.6 MS <u>%Recovery</u> 133	U MS Qualifier	995 Limits 70 - 130								
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	<49.6 MS 	U MS Qualifier	995 Limits 70 - 130			mg/Kg	ient Sa	114		vike Dup	licate
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1	<49.6 MS 	U MS Qualifier	995 Limits 70 - 130			mg/Kg	ient Sa	114	70 - 130 <b>): Matrix Sp</b>	oike Dup Type: Tot	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	<49.6 MS 	U MS Qualifier	995 Limits 70 - 130			mg/Kg	ient Sa	114	70 - 130 P: Matrix Sp Prep T		tal/NA
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid	<49.6 MS 	U MS Qualifier S1+	995 Limits 70 - 130	1150	MSD	mg/Kg	ient Sa	114	70 - 130 P: Matrix Sp Prep T	Type: Tot	tal/NA
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample	U MS Qualifier S1+	995 Limits 70 - 130 70 - 130	1150		mg/Kg	ient Sa	114	70 - 130 9: Matrix Sp Prep T Prep	Type: Tot	tal/NA 60741
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample	U MS Qualifier S1+ Sample Qualifier	995 Limits 70 - 130 70 - 130 Spike	1150 MSD		mg/Kg Cli		114 ample ID	70 - 130 9: Matrix Sp Prep T Prep %Rec	ype: Tot Batch:	tal/NA 60741 RPD
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte Gasoline Range Organics	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample Result	U MS Qualifier S1+ Sample Qualifier	995 Limits 70 - 130 70 - 130 Spike Added	1150 MSD Result		mg/Kg Cli		114 ample ID	70 - 130 2: Matrix Sp Prep T Prep %Rec Limits	Batch:	tal/NA 60741 RPD Limit
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample Result	U MS Qualifier S1+ Sample Qualifier U	995 Limits 70 - 130 70 - 130 Spike Added	1150 MSD Result		mg/Kg Cli		114 ample ID	70 - 130 2: Matrix Sp Prep T Prep %Rec Limits	Batch:	tal/NA 60741 RPD Limit
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte Gasoline Range Organics (GRO)-C6-C10	<49.6 MS %Recovery 133 104 1-F MSD Sample Result <49.6	U MS Qualifier S1+ Sample Qualifier U	995 Limits 70 - 130 70 - 130 Spike Added 995	1150 MSD <u>Result</u> 1241		mg/Kg Cli <u>Unit</u> mg/Kg		114 ample ID <u>%Rec</u> 123	70 - 130 P: Matrix Sp Prep T Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       1	tal/NA 60741 RPD Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 MS %Recovery 133 104 1-F MSD Sample Result <49.6	U MS Qualifier S1+ Sample Qualifier U	995 Limits 70 - 130 70 - 130 Spike Added 995	1150 MSD <u>Result</u> 1241		mg/Kg Cli <u>Unit</u> mg/Kg		114 ample ID <u>%Rec</u> 123	70 - 130 P: Matrix Sp Prep T Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       1	tal/NA 60741 RPD Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample <u>Result</u> <49.6 <49.6 MSD	U MS <u>Qualifier</u> S1+ Sample <u>Qualifier</u> U U	995 	1150 MSD <u>Result</u> 1241		mg/Kg Cli <u>Unit</u> mg/Kg		114 ample ID <u>%Rec</u> 123	70 - 130 P: Matrix Sp Prep T Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       1	tal/NA 60741 RPD Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-5126-A-1 Matrix: Solid Analysis Batch: 60776 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 MS <u>%Recovery</u> 133 104 1-F MSD Sample <u>Result</u> <49.6 <49.6 MSD	U MS <u>Qualifier</u> S1+ Sample <u>Qualifier</u> U U	995 Limits 70 - 130 70 - 130 Spike Added 995	1150 MSD <u>Result</u> 1241		mg/Kg Cli <u>Unit</u> mg/Kg		114 ample ID <u>%Rec</u> 123	70 - 130 P: Matrix Sp Prep T Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       1	tal/NA 60741 RPD Limit 20

Client: Resolute Compliance LLC

### **QC Sample Results**

Job ID: 890-5128-1

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60724/1-A												<b>Client S</b>	ample ID:	Method	Blan
Matrix: Solid													Prep	Type: S	olubl
Analysis Batch: 60729															
		MB N	ИВ												
Analyte	R	esult C	Qualifier		RL		MDL	Unit		D	Pr	repared	Analy	zed	Dil Fa
Chloride	<	<5.00 l	J		5.00			mg/Kg					08/21/23	12:56	
Lab Sample ID: LCS 880-60724/2-4	<b>x</b>									Clie	ent	Sample	ID: Lab C	ontrol S	ampl
Matrix: Solid													Prep	Type: S	olub
Analysis Batch: 60729															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride				250		252.7			mg/Kg			101	90 - 110		
Lab Sample ID: LCSD 880-60724/3	-A								Cli	ient Sa	am	ple ID: I	ab Contro	ol Samp	le Du
Matrix: Solid													Prep	Type: S	olub
Analysis Batch: 60729															
				Spike		LCSD	LCSI	C					%Rec		RP
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Lin
Chloride				250		253.2			mg/Kg			101	90 - 110	0	2
Lab Sample ID: 890-5126-A-1-B MS	5											Client	Sample ID	D: Matrix	Spik
Matrix: Solid													Prep	Type: S	olub
Analysis Batch: 60729															
	Sample	Sampl	e	Spike		MS	MS						%Rec		
Analyte		Qualifi	ier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride	77.2			250		314.7			mg/Kg			95	90 - 110		
Lab Sample ID: 890-5126-A-1-C MS	SD									Client	Sa	mple ID	: Matrix S	pike Duj	plicat
												-		Type: S	
the second s															
Matrix: Solid															
Matrix: Solid Analysis Batch: 60729	Sample	Sampl	e	Spike		MSD	MSD						%Rec		RP
Matrix: Solid		Sampl Qualifi		Spike Added		MSD Result			Unit		D	%Rec	%Rec Limits	RPD	RP Lim

### **QC** Association Summary

Client: Resolute Compliance LLC

### GC VOA

#### Analysis Batch: 60963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-5128-1	HB-07	Total/NA	Solid	8021B	60970
MB 880-60970/5-A	Method Blank	Total/NA	Solid	8021B	60970
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	8021B	60970
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60970
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	60970
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60970
rep Batch: 60970					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5128-1	HB-07	Total/NA	Solid	5035	
MB 880-60970/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
Analysis Batch: 61034					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5128-1	HB-07	Total/NA	Solid	Total BTEX	
GC Semi VOA					
rep Batch: 60741					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5128-1	HB-07	Total/NA	Solid	8015NM Prep	
MB 880-60741/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60741/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60741/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
	·			· · · · · · · · · · · · · · · · · · ·	

Matrix Spike

Matrix Spike Duplicate

890-5126-A-1-E MS

890-5126-A-1-F MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5128-1	HB-07	Total/NA	Solid	8015B NM	60741
MB 880-60741/1-A	Method Blank	Total/NA	Solid	8015B NM	60741
LCS 880-60741/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60741
LCSD 880-60741/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60741
890-5126-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	60741
890-5126-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60741

Total/NA

Total/NA

Solid

Solid

8015NM Prep

8015NM Prep

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5128-1	HB-07	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 60724

Lab Sample ID 890-5128-1			Matrix Solid	Method DI Leach	Prep Batch
MB 880-60724/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60724/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60724/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5126-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	

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Job ID: 890-5128-1

### **QC** Association Summary

Client: Resolute Compliance LLC

Job ID: 890-5128-1

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60724

60724

60724

60724

### HPLC/IC (Continued)

LCS 880-60724/2-A

LCSD 880-60724/3-A

890-5126-A-1-B MS

890-5126-A-1-C MSD

#### Leach Batch: 60724 (Continued)

Lab Control Sample

Matrix Spike

Lab Control Sample Dup

Matrix Spike Duplicate

Lab Sample ID 890-5126-A-1-C MSD	Client Sample ID Matrix Spike Duplicate	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
Analysis Batch: 60729					
Г		D	<b>1</b> - 4		Dura Datak
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
Г		Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 60724

Soluble

Soluble

Soluble

Soluble

Solid

Solid

Solid

Solid

300.0

300.0

300.0

300.0

Eurofins Carlsbad

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Matrix: Solid

Lab Sample ID: 890-5128-1

### Lab Chronicle

#### Client Sample ID: HB-07 Date Collected: 08/18/23 00:00

Date Received: 08/18/23 11:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60970	08/24/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/24/23 14:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61034	08/24/23 16:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60896	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60741	08/21/23 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 12:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60724	08/21/23 11:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60729	08/21/23 13:39	SMC	EET MID

#### Laboratory References:

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

Eurofins Carlsbad

### Accreditation/Certification Summary

Loborotom <i>u</i> Eurofi	ine Midlend				
Laboratory: Eurof		y were covered under each acc	reditation/certification below.		
Authority Texas		Program NELAP	Identification Number	Expiration Date	
the agency does not of	fer certification.	· ·	ied by the governing authority. This list ma	ay include analytes for which	5
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9

Eurofins Carlsbad

.

### **Method Summary**

#### Client: Resolute Compliance LLC

Job ID: 890-5128-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit = TestAmerica Laboratories, Standard Operating Procedure		
Laboratory Re	eferences:		
EET MID =	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Protocol References:

#### Laboratory References:

### Sample Summary

Job ID: 890-5128-1

Client: Resolute Compliance LLC Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5128-1	HB-07	Solid	08/18/23 00:00	08/18/23 11:55

Notice: Signature of this document and reline of service. Eurofins Xenco will be liable only for de Eurofins Xenco. A minimum charge of \$85 Relinquished by: (Signature) 1 Charge and the second secon	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Sample Identification	PT Intact: eals: Seals:	Project Name: Project Number:	e ZIP:	Project Manager: 12 e 50 Company Name: L M	🔅 eurofins
linguishment of samples by for the cost of samples \$85.00 will be applied to re)	200.8 / 6020: tal(s) to be analy	Matrix 1	Temp Blank: Yes No N/A T Yes No N/A T		141-15	Ever	Environm Xenco
s constitutes a valid purchase order is and shall not assume any respon each project and a charge of 55 fc Received by: (Signature)	8RCRA 13PH	Date Time Sampled Sampled	Due Date:       TAT starts the the lab, if rec       Ye     No       Wet Ice:       Thermometer ID:       Correction Factor:       Temperature Reading:       Corrected Temperature:	Routine	der Email:	Compliance	Environment Testing Xenco
der from client company I onsibility for any losses or i for each sample submitt e)	PM Texas 11 A PPLP 6010 : 8RCF	du du	Due Date:     Due Cate:       TAT starts the day received by the lab, if received by 4:30pm       Wet Ice:     (Ysh No Inc)       Wet Ice:     (Ysh No Inc)       Ctor:     -O O Reading:       How     H.O How	Turn Around ine Akush		Bill to: (if different) Company Name: Address:	Houstc Midland, EL Paso Hobbs,
o Eurofins Xenco, its affiliates an expenses incurred by the dient et o Eurofins Xenco, but not an Date/Time Date/Time	13PPM Texas 11 Al Sb As Ba Be B Cd	Cont R-	Parameters TEX-SOQU PH-SOIS Noricle-E309	Pres.	in range on ir onme when	genereso	<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco. Dut not analyzed. These terms will be enforced unless previously negotiated. Refinquished by: (Signature) Received by: (Signature)	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		890-5128 C	ANALYSIS REQUEST	le quinci 1. com	generesoliteronplique: com	<b>Stody</b> 5, TX (214) 902-0300 nnio, TX (210) 509-3334 6, TX (806) 794-1296 d, NM (575) 988-3199
is and conditions control previously negotiated. (re) Received by: (Signature)	Se		hain of Custody		Reporting: Level II Level II	Work Ore Program: UST/PST PRP State of Project:	Work Order No: www.xenco.com
Signature)	Ag SiO <sub>2</sub> Na Sr TI Sn U Hg: 1631 / 245.1 / 7470 / 7	Sam	Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub> Zn Acetate+NaOl NaOH+Ascorbic A	None: NO		Work Order Comments PRP Brownfields	ork Order No:
Date/Time	J V Zn 7471	Sample Comments	Cool: Cool     MeOH: Me       HCL: HC     HNO 3: HN       H <sub>2</sub> S0 4: H <sub>2</sub> NaOH: Na       H <sub>3</sub> PO 3: HP     NaHSO 4: NABIS       Na4SO 4: NASO 3     Na 25 203: NASO 3       Zn Acetate+NaOH: Zn     NaOH+Ascorbic Acid: SAPC	Preservative Codes a: NO DI Water: H <sub>2</sub> O	Other:	RRC Superfund	of

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8/24/2023

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### Login Sample Receipt Checklist

Client: Resolute Compliance LLC

### Login Number: 5128 List Number: 1

Creator: Clifton, Cloe

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

#### Job Number: 890-5128-1

List Source: Eurofins Carlsbad

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Job Number: 890-5128-1

List Source: Eurofins Midland

List Creation: 08/21/23 08:51 AM

### Login Sample Receipt Checklist

Client: Resolute Compliance LLC

Login Number: 5128
List Number: 2
Creator: Rodriguez, Leticia

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

# **ATTACHMENT C – FIELD DATA**

Released to Imaging: 9/27/2023 9:44:53 AM



## Photo Report





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:
LM Touchdown LLC	329097
2850 N Harwood St Suite 1050	Action Number:
Dallas, TX 75201	261447
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/27/2023

Action 261447