

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

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

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

Incident ID	NRM2005137772
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Solaris Water Midstream, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O- 432-203-9020 C- 469-9785620
Contact email rob.kirk@solarismidstream.com	Incident # (assigned by OCD)
Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706	

Location of Release Source

Latitude 32.09352 Longitude -104.05411
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lobo to Eddy State Line	Site Type Produced Water Line ROW
Date Release Discovered 01/18/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
A & B	35	25S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: State Land - corrected)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 148	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On a 16-inch polyethylene (PE) buried line that carries water from the Lobo 285 SWD to the Eddy State SWD a leak occurred underground at an Air Release Valve (ARV). The line was shut-in, and flow was stopped. Upon uncovering the line, it was determined that a section of 4-inch PE pipe leading up to the ARV failed at a fusion joint. The ARV was removed along with the connection to the main line and replaced with a straight connection to the main line.


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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The amount of surface soil impacted, the size of the pipeline, and the amount of time to shut-in the line. The soil area impacted is approximately 1-2 feet wide and terminates approximately 740 feet from the release point following the natural land contours for an impacted area of approximately 1,110 square feet.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, this completed Form C-141 was uploaded to the NMOCD web portal on 2/19/2020 by Rob Kirk.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: Some of the impacted soil has been moved to a plastic tarp and isolated for appropriate disposal. The area of the release precludes the use of dikes or berms. Remaining free liquids have absorbed into the soil.
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: <u>Rob Kirk</u> Title: <u>General Manager, HSE & Compliance</u> Signature: <u></u> Date: <u>02/19/2020</u> email: <u>rob.kirk@solarismidstream.com</u> Telephone: <u>432-203-9020</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident 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?	> 100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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


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

State of New Mexico
Oil Conservation Division

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

Printed Name: Rob Kirk Title: VP & GM, HSE & Compliance
 Signature:  Date: 07/13/21
 email: rob.kirk@solariswater.com Telephone: 432-203-9020

OCD Only

Received by: _____ Date: _____

Incident ID	
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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)

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

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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved
 Approved with Attached Conditions of Approval
 Denied
 Deferral Approved

Signature: _____ Date: _____

Incident ID	
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Facility ID	
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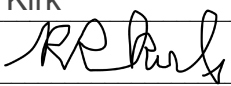
Closure

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

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Printed Name: Rob Kirk Title: VP & GM, HSE & Compliance
 Signature:  Date: 07/13/21
 email: rob.kirk@solariswater.com Telephone: 432-203-9020

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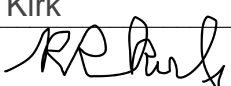
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Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

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- 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: Rob Kirk Title: VP & GM, HSE & Compliance
 Signature:  Date: 07/13/21
 email: rob.kirk@solariswater.com Telephone: 432-203-9020

OCD Only

Received by: Robert Hamlet Date: 11/8/2021

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: Robert Hamlet Date: 11/8/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Release Notification

Responsible Party

Responsible Party Solaris Water Midstream, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O- 432-203-9020 C- 469-9785620
Contact email rob.kirk@solarismidstream.com	Incident # (assigned by OCD)
Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706	

Location of Release Source

Latitude 32.09352 Longitude -104.05411
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lobo to Eddy State Line	Site Type Produced Water Line ROW
Date Release Discovered 01/18/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
A & B	35	25S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: State Land - corrected)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 148	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On a 16-inch polyethylene (PE) buried line that carries water from the Lobo 285 SWD to the Eddy State SWD a leak occurred underground at an Air Release Valve (ARV). The line was shut-in, and flow was stopped. Upon uncovering the line, it was determined that a section of 4-inch PE pipe leading up to the ARV failed at a fusion joint. The ARV was removed along with the connection to the main line and replaced with a straight connection to the main line.


State of New Mexico
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The amount of surface soil impacted, the size of the pipeline, and the amount of time to shut-in the line. The soil area impacted is approximately 1-2 feet wide and terminates approximately 740 feet from the release point following the natural land contours for an impacted area of approximately 1,110 square feet.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, this completed Form C-141 was uploaded to the NMOCD web portal on 2/19/2020 by Rob Kirk.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: Some of the impacted soil has been moved to a plastic tarp and isolated for appropriate disposal. The area of the release precludes the use of dikes or berms. Remaining free liquids have absorbed into the soil.
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.
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Printed Name: <u>Rob Kirk</u> Title: <u>General Manager, HSE & Compliance</u> Signature: <u></u> Date: <u>02/19/2020</u> email: <u>rob.kirk@solarismidstream.com</u> Telephone: <u>432-203-9020</u>
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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?	> 100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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


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

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Printed Name: Rob Kirk Title: VP & GM, HSE & Compliance
 Signature:  Date: 07/13/21
 email: rob.kirk@solariswater.com Telephone: 432-203-9020

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Received by: _____ Date: _____

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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)

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

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- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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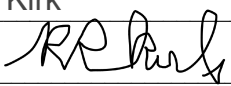
Closure

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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

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Printed Name: Rob Kirk Title: VP & GM, HSE & Compliance
 Signature:  Date: 07/13/21
 email: rob.kirk@solariswater.com Telephone: 432-203-9020

OCD Only

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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: _____



July 1, 2021

Mr. Mike Bratcher
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

**RE: Excavation and Pipeline Right-Of-Way Closure Requests
Lobo to Eddy State Pipeline ARV Release
Incident ID Number NRM2005137772
Eddy County, New Mexico**

Dear Mr. Bratcher:

SDR Enterprises, LLC (SDR), on behalf of Solaris Water, LLC (Solaris), presents the following Excavation and Pipeline Right-Of-Way Closure Requests detailing soil remediation and sampling activities at the Lobo to Eddy State Pipeline Air Release Valve (ARV) Release (Site) in Unit A and B, Section 35, Township 25 South, Range 28 East, in Eddy County New Mexico. Attached as Figure 1 is a topographic map depicting the Site's location. The purpose of the soil remediation and sampling activities was to confirm the presence or absence of contaminant impacts to soils following a release of produced water at the Site. Based on field observations, right-of-way (ROW) and release area excavating activities, laboratory analytical results of soil sampling events, and installation of a soil boring to determine depth to groundwater, Solaris is submitting this Excavation and Pipeline ROW Closure Requests as an attachment to a Final Release Notification and Corrective Form C-141 (Form C-141) for Incident ID Number NRM2005137772.

RELEASE BACKGROUND

On January 18, 2020, a produced water release was discovered on a 16 inch polyethylene (PE) buried pipeline from the Lobo 285 Salt Water Disposal (SWD) to the Eddy State SWD. Upon uncovering the pipeline, a leak was discovered at a fusion point from a section of 4 inch PE pipe that connected the main pipeline to a surface ARV. Released fluid saturated proximal soil, rose to surface, flowed away and to the south from the release point, widely dispersed over a hill that slopes to the south, then accumulated again as the fluid was influenced towards a drainage channel, and then followed the drainage channel for approximately 800 feet into adjacent pasture. An estimated 148



barrels (bbls) of produced water were released and no fluids were recovered. Attached as Figure 2 is an aerial image depicting the mapped release area. Solaris reported the release to the New Mexico Oil Conservation Division (NMOCD) on an Initial Release Notification and Corrective Form C-141 (Form C-141) on January 18, 2020 and was assigned Incident ID Number NRM2005137772. Included as Attachment 1 is the initial Release Notification and Corrective Form C-141.

SITE CHARACTERIZATION

SDR characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site could not be determined. The nearest permitted water well (C-04397) is located approximately 1,316 feet south-southwest of the Site's southernmost boundary and on land owned by the Cooksey Ranch. Review of the water well's permit resulted in no depth to groundwater and total depth information being provided. However, Wayne Allen, Cooksey Ranch Manager provided anecdotal evidence during a Site visit that the depth to water at the well is thought to be approximately 130 feet bgs. The closest continuously flowing water or significant watercourse is Red Bluff Draw located approximately 1,151 feet south-southeast of the Site's southernmost boundary. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is also greater than 1,000 feet to a freshwater well or spring, is not within a 100-year floodplain, nor overlying a subsurface mine, and is located in a low potential karst area.

In addition, on May 4, 2021, a New Mexico Office of the State Engineer (NMOSE) permitted (C-04513) soil boring (SB-1) was drilled at the Site to a total depth of 106.8 feet bgs. The purpose was to determine either the depth of the first occurrence of groundwater or to determine if subsurface strata remained dry to a total depth of approximately 105 feet bgs. During drilling operations, no water bearing strata was encountered and the soil boring was advanced to approximately 105 feet bgs. Gauging activity directly after drilling cessation and after the subsequent 72 hour waiting period verified that no groundwater had seeped into the boring and confirmed a final total depth of 106.8 feet bgs.



CLOSURE CRITERIA

Based on the information provided from the site characterization, the distance to the nearest water well and anecdotal evidence that the well's depth to groundwater of approximately 130 feet bgs, the following NMOCD Table 1 Closure Criteria (Closure Criteria) were applied as remediation guidance for excavating and vertical delineation of impacted soil:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): 50 mg/kg;
- Total Petroleum Hydrocarbons (TPH (Gas Range Organics (GRO)+Diesel Range Organics (DRO)+Motor Oil Range Organics (MRO)): 2,500 mg/kg;
- Gas Range Organic (GRO)+Diesel Range Organics (DRO): 1,000 mg/kg; and
- Chloride: 20,000 mg/kg

RECLAMATION CRITERIA

To prepare the Site's excavated area for reclamation Title 19, Chapter 15, Part 29, Section 13 (19.15.29.13) of the New Mexico Administrative Code (NMAC) was applied as guidance for excavating and horizontal delineation of impacted soil and states the following:

- The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0 or other test methods approved by the division.

PIPELINE/ARV REPAIRS, SITE ASSESSMENT, EXCAVATING, CONFIRMATION SOIL SAMPLING, AND SOIL BORING ACTIVITIES

On January 18, 2020, Solaris' pipeline repair contractor began excavating soil at the ARV in order to assess and repair the pipeline's leak. Based on visual staining, excavated soil was segregated into clean and contaminated stockpiles. As soon as the repairs were completed, Solaris requested the excavated area of pipeline be backfilled to maintain pipeline stability and for safety. Backfill material consisted of the stockpile of clean soil and clean caliche material hauled to the Site. From visual observations of the contaminated soil stockpile, it is estimated that 70 yards of hydrocarbon and chloride impacted soil were removed from the area around the leak. The contaminated soil stockpile was temporarily stationed on the pipeline's ROW and was hauled to the R360



Red Bluff Landfill Facility, a Railroad Commission of Texas permitted facility, at a later date.

On September 21 through September 23, 2020, SDR field personnel and equipment mobilized to the Site to conduct assessment activities. Assessment activities consisted of mapping the extents of the visible release, advancing potholes within and around the release area, collecting background grab soil samples from potholes located outside of the release area's extent, and collecting delineation grab soil samples from potholes located within the release area. Thirteen potholes, consisting of three background sample locations (BS-1 through BS-3) and ten delineation sample locations (DS-1 through DS-10), were advanced via a trackhoe excavator. BS-1 and BS-3 were advanced from ground surface to 4 feet bgs and BS-2 was advanced from ground surface to 2 feet bgs. DS-1, DS-5, DS-6, DS-7, and DS-9 were advanced from ground level to 4 feet bgs, DS-2, DS-3, and DS-4 were advanced from ground surface to 2 feet bgs, and DS-8 and DS-10 were advanced from ground surface to 0.5 feet bgs. Soil from each background and delineation sample location was collected into a 1 gallon, resealable plastic bags at 1 foot depth intervals except for BS-2, DS-3, DS-4, DS-8, and DS-10 which had some or all samples collected from 0.5 foot depth intervals. Soil collected from each location was field screened for chloride utilizing Hach[®] Chloride QuanTab[®] test strips. Included as Attachment 2 are descriptive lithologic logs with field screening results for soil associated with grab samples collected at the bottom of DS-1, DS-3, DS-4, DS-5, DS-6, DS-7, and DS-9.

Collected background and delineation soil samples were placed into clean laboratory supplied glass jars, labeled with each sample's pertinent information, and immediately placed on ice. The soil samples were shipped via overnight courier at or below 4 degrees Celsius (°C) and under chain-of-custody (COC) protocol to Eurofins Xenco Laboratory in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (USEPA) Method 8021B; TPH (GRO/DRO/MRO) following USEPA Method 8015M; and Chloride following USEPA Method 300.0.

Based on laboratory analytical results for the background and delineation soil samples, remediation activities via excavating of hydrocarbon and chloride impacted soil within the release area would be required.

From October 29 through December 2, 2020, SDR field personnel and equipment were at the Site to conduct excavating of hydrocarbon and chloride impacted soil as indicated by previous delineation soil sample field screening and analytical results. During excavating activities, an SDR environmental professional and field tech collected and



screened soil from the excavation's floor and walls for volatile organic compounds (VOCs) and chloride utilizing a calibrated Rae Systems MiniRAE 3000 photoionization detector (PID) and Hach® Chloride QuanTab® test strips, respectively. Results of the field screening were used to either direct further deepening and/or widening of the excavation or to cease excavating activities. Upon VOC and chloride field screening results indicating concentrations at or below closure criteria limits, soil for composite confirmation floor samples (CFS) and associated composite confirmation wall samples (CWS) were then collected from the existing excavation. Each composite sample was collected by depositing five aliquots of soil sampled from five separate points on the floor and from five separate points from the available walls of the excavation into a 1 gallon, resealable plastic bag and homogenizing each sample by thoroughly mixing. Each collected composite soil sample was prepared, hand delivered, and analyzed as described above at Eurofins Xenco Laboratory in Carlsbad, New Mexico. Included as Figure 3 is an aerial image depicting the extent of the excavated area.

On October 30, 2020, excavating activity commenced at the southernmost boundary of the release area. Based on the analytical results for DS-1, collected on September 21, 2020, and field screening indicating the hydrocarbon and chloride concentrations being below the closure and reclamation criteria limits, the advancement of the excavation depth halted at an approximately 1 foot bgs. CFS-1, CFS-2, and CFS-3 were collected from the excavation's floor soil and submitted for laboratory analysis. In addition, field screening indicated the hydrocarbon and chloride concentrations for the excavation's walls associated with CFS-1, CFS-2, and CFS-3 were also below the closure and reclamation criteria limits, therefore, CWSS-1, CWSW-1, CWSE-1, CWSW-2, CWSE-2, CWSW-3, and CWSE-3 were collected and submitted for laboratory analysis. CWSS-1 was collected to ensure closure and reclamation delineation of hydrocarbon and chloride concentrations to the south had been achieved. As the excavating activity extended northward, hydrocarbon staining was observed in the soil of the excavation's floor, therefore, the excavation was deepened to 2 feet bgs. PID field screening confirmed an increase in the level of hydrocarbons compared to previous field screening readings. CFS-4 was collected from the excavation's floor soil and submitted for laboratory analysis. Included as Figure 4a is an aerial image depicting DS-1, BS-1, DS-2, CFS-1 through CFS-4, and associated confirmation wall sample locations. Included as Attachment 2 is a descriptive lithologic log with field screening results for soil associated with the composite floor sample collected at CFS-1.

On November 2 through November 6, 2020, field screening and excavating of hydrocarbon and chloride impacted soil continued with the excavation extending to the



north. On November 2, 2020, hydrocarbon staining was observed in the soil of the excavation floor at CFS-4, therefore, the excavation was deepened from 2 feet to 3 feet bgs, a second confirmation sample was collected from the excavation's floor soil and submitted for laboratory analysis. Also, on November 2, as the excavation continued extending northward, a hard rock layer was encountered at approximately 2 feet bgs. Field screening of the excavation floor soil indicated hydrocarbon and chloride concentrations below closure criteria limits but above the reclamation criteria limit. CFS-5 was collected from the excavation's floor soil and submitted for laboratory analysis. To ensure vertical delineation of the chloride concentration, the excavation was deepened to 4 feet bgs and field screening of the excavation's floor soil indicated the chloride concentration had decreased to below the reclamation criteria limit. A second confirmation floor sample was collected and submitted for laboratory analysis. On November 3, 2020, hydrocarbon staining was again observed in the soil of the excavation floor at CFS-4, therefore, the excavation was deepened from 3 feet to 5 feet bgs to ensure hydrocarbons had been removed. PID field screening confirmed that reduction of the hydrocarbon concentration had been achieved. A third confirmation floor sample was collected and was submitted for analysis but was not analyzed based on the laboratory analytical results of the two floor samples previously submitted for CFS-4. In addition, field screening indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits for the excavation's walls associated with CFS-4, therefore, CWSW-4, CWSE-4, and CWSS-4 were collected and submitted for laboratory analysis. CWSS-4 was collected as the result of the excavation deepening from 1 foot to 5 foot bgs and to ensure closure and reclamation delineation of hydrocarbon and chloride concentrations to the south had been achieved. Also, on November 3, 2020, to ensure chloride vertical delineation at CFS-5 the excavation was deepened from 4 feet to 5 feet bgs. Field screening indicated the chloride concentration had decreased to below the closure and reclamation criteria limits. A third confirmation floor sample was collected and submitted for laboratory analysis to verify delineation. On November 4, 2020, the excavation had extended further north and field screening indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits for the excavation's walls associated with CFS-5 and CFS-6, therefore, CWSW-5, CWSE-5, and CWSE-6 were collected and submitted for laboratory analysis. Field screening of the excavation floor soil and west excavation wall soil at CFS-6 indicated hydrocarbon and chloride concentrations above the closure and reclamation criteria limits, therefore, further excavating was required prior to collecting samples. On November 5, 2020, the excavation floor was deepened to 6 feet bgs and the west wall was extended further to the west in the area of CFS-6. Field screening indicated the hydrocarbon and chloride concentrations were reduced to below the closure and



reclamation criteria limits, therefore, CFS-6 and CWSW-6 were collected and submitted for laboratory analysis. Field screening of excavation floor soil in the area of CFS-7 indicated a chloride concentration above the reclamation criteria limit, therefore, the excavation was deepened from 6 feet to 7 feet bgs. Subsequent field screening indicated a chloride concentration below the closure and reclamation criteria limits, therefore, CFS-7 was collected and submitted for laboratory analysis. On November 6, 2020, field screening and excavating of hydrocarbon and chloride impacted soils continued with the excavation further extending to the north but no confirmation floor and wall samples were collected and submitted for laboratory analysis. Included as Figures 4a and 4b are aerial images depicting CFS-4, CFS-5, CFS-6, CFS-7 and associated confirmation wall sample locations. Included as Attachment 2 is a descriptive lithologic log with field screening results for soil associated with the composite floor samples collected at CFS-5.

On November 9 through November 13, 2020, field screening and excavating of hydrocarbon and chloride impacted soil continued with the excavation extending further to the north. Field screening indicated the hydrocarbon and chloride concentrations in the excavation's walls associated with CFS-7 were below the closure and reclamation criteria limits, therefore, CWSW-7 and CWSE-7 were collected and submitted for laboratory analysis. Field screening of excavation floor soil at 6 feet bgs and in the excavated area for CFS-8 indicated hydrocarbon and chloride concentrations below the closure limits, therefore, CFS-8 was collected and submitted for laboratory analysis. Field screening also indicated the excavation's walls associated with CFS-8 had hydrocarbon and chloride concentrations below the closure and reclamation criteria limits, therefore, CWSW-8 and CWSE-8 were collected and submitted for laboratory analysis. On November 10, 2020, due to the hard rock layer, which was first encountered in the area of CFS-5 and at approximately 2 feet bgs, causing slow and difficult excavating plus the field screening and laboratory analysis indicating a reduction of hydrocarbon and chloride concentrations to below the closure criteria limit at depths below 2 feet bgs, Solaris instructed that excavating of contaminated soil would cease at the top of the hard layer, then collect confirmation floor and wall samples, and continue extending the excavation to the north. From November 10 through November 13, 2020, field screening continued and excavating of hydrocarbon and chloride impacted soil down to the top of the hard rock layer commenced with the excavation extending further to the north. During this time frame, CFS-9, CFS-10, CFS-11, CFS-12, CFS-13, CFS-14, CFS-15, CFS-16, CFS-17, and CFS-18 were collected from the floor of excavation at depths that ranged from 1.5 feet to 2.5 feet bgs and submitted for laboratory analysis. Field screening of the excavation's floor soil for each sample location indicated the



hydrocarbon and chloride concentrations were below the closure criteria limit but above the reclamation criteria limit. On November 12, 2020, a “test hole” was excavated in the area of CFS-15 and advanced to a depth of 8 feet bgs. As the “test hole” advanced, field screening of soil indicated the hydrocarbon and chloride concentrations were below the closure criteria limit but the chloride concentration remained above the reclamation criteria limit. Grab samples, also named CFS-15, was collected at 4 feet, 6 feet, 8 feet, and submitted for laboratory analysis to verify the chloride concentration. Field screening of the excavation’s walls associated with CFS-9 through CFS-18 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSW-9, CWSE-9, CWSW-10, CWSE-10, CWSW-11, CWSE-11, CWSW-12, CWSE-12, CWSW-13, CWSE-13, CWSW-14, CWSE-14, CWSW-15, CWSE-15, CWSW-16, CWSE-16, CWSW-17, CWSE-17, and CWSE-18 were collected and submitted for laboratory analysis. Field screening for CWSW-18 indicated the chloride concentration was above the closure criteria limit, therefore, the wall was extended further to the west. Included as Figures 4b and 4c are aerial images depicting CFS-7, CFS-8, CFS-9, CFS-10, CFS-11, CFS-12, CFS-13, CFS-14, CFS-15, CFS-16, CFS-17, DS-3, and CFS-18 and associated confirmation wall sample locations. Included as Attachment 2 are descriptive lithologic logs with field screening results for soil associated with the composite floor samples collected at CFS-9 and CFS-15 and grab floor samples for the “test hole” advanced at CFS-15.

On November 16 through November 20, 2020, field screening and excavating of hydrocarbon and chloride impacted soil down to the top of the hard rock layer continued with the excavation further extending to the north. Subsequent field screening of soil for CWSW-18 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, a sample was collected and submitted for laboratory analysis. On November 16, 2020, CFS-19, CFS-20, and CFS-21 were collected from the floor of the excavation at depths that ranged from 2.5 feet to 3.0 feet bgs and submitted for laboratory analysis. Field screening of the excavation’s floor soil for each sample location indicated the hydrocarbon and chloride concentrations were below the closure criteria limit and the chloride concentration was above the reclamation criteria limit. In addition, field screening of the excavation’s walls associated with CFS-19 through CFS-21 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limit, therefore, CWSW-19, CWSE-19, CWSW-20, CWSE-20, CWSW-21, and CWSE-21, were collected and submitted for laboratory analysis. On November 17, 2020, the hard rock layer began to pinch out and excavating activity became easier due the change in the subsurface strata’s lithology. As a result, excavating of hydrocarbon and chloride impacted soil returned to advancing the



excavation floor to 4 feet bgs or greater. In the excavated area for CFS-22, the excavation was advanced to a depth of 5 feet bgs and field screening of the excavation floor soil indicated the hydrocarbon and chloride concentrations were below closure criteria limit and the chloride concentration was above the reclamation criteria limit. To verify the chloride concentration a confirmation sample of the excavation's floor soil was collected and submitted for laboratory analysis. In addition, field screening of the excavation's walls associated with CFS-22 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSW-22 and CWSE-22 were collected and submitted for laboratory analysis. Furthermore, a "test hole" was excavated in the area of CFS-22 and advanced to a depth of 8 feet bgs. Field screening of soil from the "test hole's" bottom indicated the hydrocarbon and chloride concentrations were below the closure criteria limit and the chloride concentration remained above the reclamation criteria limit. A grab sample, also named CFS-22, was collected and submitted for laboratory analysis. In the excavated area for CFS-23, the excavation was advanced to 6 feet bgs and field screening of the excavation's floor soil indicated the hydrocarbon and chloride concentrations were below the closure criteria limit and the chloride concentration was above the reclamation criteria limit. A sample was collected and submitted for laboratory analysis. In addition, field screening of the excavation's walls associated with CFS-23 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSW-23 and CWSE-23 were collected and submitted for laboratory analysis. In the excavated area for CFS-24, the excavation was advanced to 4 feet bgs and field screening of the excavation's floor soil indicated the hydrocarbon and chloride concentrations were below the closure criteria limits and the chloride concentration was above the reclamation criteria limit. A sample was collected and submitted for laboratory analysis. In addition, field screening of the excavation's walls associated with CFS-24 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSW-24 and CWSE-24 were collected and submitted for laboratory analysis. From November 18 through November 20, 2020, field screening and excavating of hydrocarbon and chloride impacted soil continued with the excavation further extending to the north and maintaining a depth of 4 feet bgs. During this time frame, CFS-25, CFS-26, CFS-27, CFS-28, CFS-29, CFS-30, CFS-31, CFS-32, CFS-33, CFS-34, CFS-35, CFS-36, CFS-37, CFS-38, and CFS-39 were collected from the excavation's floor soil and submitted for laboratory analysis. Field screening for each sample location indicated the hydrocarbon and chloride concentrations were below the closure criteria limits and the chloride concentration was above the reclamation criteria limit. Field screening of the excavation's wall associated with CFS-25 through CFS-37 and CFS-39 indicated the hydrocarbon and chloride concentrations were below the



closure criteria limits, therefore, CWSW-25, CWSE-25, CWSW-26, CWSE-26, CWSW-27, CWSE-27, CWSW-28, CWSE-28, CWSW-29, CWSE-29, CWSW-30, CWSE-30, CWSW-31, CWSE-31, CWSW-32, CWSE-32, CWSW-33, CWSE-33, CWSW-34, CWSE-34, CWSW-35, CWSE-35, CWSW-36, CWSE-36, CWSW-37, CWSE-37, and CWSE-39 were collected and submitted for laboratory analysis. Due to field screening indicating the chloride concentration being above the closure criteria limit in the excavation's walls associated with CFS-38 (east and west walls) and CFS-39 (west wall) the excavation's walls at CFS-38 were extended further to the east and west and the excavation's wall at CFS-39 was extended further to the west. Included as Figures 4c, 4d, 4e, and 4f are aerial images depicting CFS-19, CFS-20, CFS-21, CFS-22, CFS-23, CFS-24, CFS-25, DS-4, CFS-26, BS-2, CFS-27, CFS-28, CFS-29, DS-5, CFS-30, CFS-31, CFS-32, CFS-33, CFS-34, CFS-35, DS-6, CFS-36, CFS-37, BS-3, CFS-38, and CFS-39 and associated confirmation wall sample locations. Included as Attachment 2 are descriptive lithologic logs with field screening results for soil associated with the confirmation floor samples collected at CFS-22 and CFS-32.

On November 23 through November 25, 2020, field screening and excavating of hydrocarbon and chloride impacted soil continued with the excavation maintaining a depth of 4 feet bgs, further extending to the north, and approaching the sloping hill where released fluid had widely dispersed away from the release point. Subsequent field screening of the excavation's west wall associated with CFS-39 indicated the hydrocarbon and chloride concentrations were below the closure criteria limits, therefore, a wall sample was collected and submitted for laboratory analysis. Also, during this time frame, CFS-40, CFS-41, CFS-42, CFS-43, CFS-44, CFS-45, CFS-46, CFS-47, CFS-48, CFS-49, CFS-50, CFS-51, CFS-52, CFS-53, CFS-54, CFS-55, CFS-56, CFS-57, CFS-58, CFS-59, and CFS-60 were collected from the excavation's floor soil. Field screening indicated that for each sample the hydrocarbon and chloride concentrations were below the closure criteria limits and the chloride concentration was above the reclamation criteria limit, therefore, floor samples were collected and submitted for laboratory analysis. In addition, field screening of the excavation's walls associated with CFS-40 through CFS-50, CFS-52, CFS-54, CFS-56, CFS-58, and CFS-60 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, wall samples were collected and submitted for laboratory analysis. Field screening for the excavation's wall associated with CFS-51, CFS-53, CFS-55, CFS-57, and CFS-59 indicated the hydrocarbon concentration was below the closure criteria limit and the chloride concentration was above the reclamation criteria limit, therefore, the eastern wall of the excavation was extended further to the east. A note of importance is that the area excavated for CFS-43 and CFS-44 marks the



beginning of where the excavation considerably widened to the east and west as the excavation further extended to the and north nearing the release point. Due to the increased extent of the excavation, the decision was made to split the excavation floor into two halves with odd numbered confirmation samples being collected on the eastern half of the excavation and even numbered confirmation samples being collected on the western half of the excavation. In addition, corresponding confirmation wall samples were collected for each confirmation floor sample. Included as Figures 4f, 4g, and 4h are aerial images depicting CFS-40, DS-7, CFS-41, CFS-42, DS-8, CFS-43, CFS-44, CFS-45, CFS-46, CFS-47, CFS-48, CFS-49, DS-9, CFS-50, CFS-51, CFS-52, CFS-53, CFS-54, CFS-55, CFS-56, CFS-57, CFS-58, DS-10, CFS-59, and CFS-60 and associated confirmation wall sample locations.

On November 30 through December 1, 2020, field screening and excavating of hydrocarbon and chloride impacted soil continued with the excavation maintaining a depth of 4 feet bgs, further extending to the north, and in close proximity to the release point. Prior to field activity commencing, Solaris instructed that excavating activity would cease at the southern boundary of the Lobo to Eddy State Pipeline ROW. On November 30, 2020, subsequent field screening of the excavation's eastern wall corresponding to CFS-51, CFS-53, CFS-55, CFS-57, and CFS-59 indicated that the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSE-51, CSWE-53, CWSE-55, CWSE-57, and CWSE-59 were collected and submitted for laboratory analysis. In addition, excavating activity reached the southern boundary of the pipeline ROW and subsequent field screening of the excavation's floor soil indicated the hydrocarbon and chloride concentrations were below the closure criteria limit and the chloride concentration was above the reclamation criteria for CFS-61, CFS-63, CFS-65, CFS-67, therefore, floor samples were collected and submitted for laboratory analysis. Also, field screening of the excavation's floor soil also indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits for CFS-62, CFS-64, CFS-66, CFS-68, CFS-69, and CFS-70, therefore, floor samples were collected and submitted for laboratory analysis. Furthermore, field screening of soil from the excavation's walls indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits for CWSE-61, CWSW-62, CSWE-63, CWSW-64, CWSE-65, CWSW-66, CWSE-67, CWSW-68, and CWSE-69, therefore, samples were collected and submitted for laboratory analysis. Field screening of the excavation's wall sample for CFS-70 indicated the hydrocarbon concentration was below the closure criteria limit and the chloride concentration was above the closure criteria limit, therefore, the excavation's wall was extended further to the west. On December 1, 2020, field screening of the



excavation's west wall associated with CFS-70 indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits, therefore, CWSW-70 was collected and submitted for laboratory analysis. In addition, two wall samples, CWSNW and CWSNE, were collected from the western and eastern half of the excavations north wall and submitted for laboratory analysis. Furthermore, Solaris requested another "test hole" be excavated a few feet south of the ROW, in the center of the excavation, and as far as the trackhoe excavator's boom could reach. As the "test hole" was being advanced field screening indicated the hydrocarbon and chloride concentrations were below the closure criteria limit and the chloride concentration was above the reclamation criteria limit down to 20 feet bgs. At 22 feet bgs, the maximum depth the trackhoe excavator's boom could reach, field screening indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits. Five grab samples, named CFS-Hill, were collected at 6 feet, 10 feet, 14 feet, 18 feet, and 22 feet bgs and submitted for laboratory analysis. Lastly, as contaminated soil was being removed from the excavation, laboratory analysis results indicated the chloride concentration at CWSW-29 and CWSE-33 was above the reclamation criteria limit, therefore, the walls were further extended, a subsequent sample was collected based on field screening, and submitted for laboratory analysis. Included as Attachment 2 is a lithologic log with field screening results for grab floor samples collected at CFS-Hill.

On December 2, 2020, SDR field personnel began mapping and photographing the excavated area. The excavation was mapped using a hand-held Global Positioning System (GPS) unit and photographed using a digital camera. Based on mapping results and trucking load tickets, the excavation extent measured approximately 23,911 square feet in area and a total of approximately 5,674 cubic yards of soil were excavated. The hydrocarbon and chloride impacted soil was transported and properly disposed of at the R360-Red Bluff Landfill Facility, a Railroad Commission of Texas permitted facility. Included as Attachment 3 are photographs depicting the release, delineation and background sample locations, and the excavated area.

On May 4, 2021, a New Mexico Office of the State Engineer (NMOSE) permitted (C-04513) soil boring (SB-1) was drilled at the Site to a total depth of 106.8 feet bgs. Vision Resources, Inc., a licensed drilling contractor, was contracted by Solaris to drill SB-1 at the project site. The purpose was to determine either the depth of the first occurrence of groundwater or to determine if subsurface strata remained dry to a total depth of approximately 105 feet bgs. Due to the purpose of the drilling, air rotary drilling was utilized to ensure that the proper depth to groundwater could be determined if



encountered. During drilling operations, no water bearing strata was encountered and the soil boring was advanced to approximately 105 feet bgs. In addition, SDR field personnel collected drill cuttings every 5 feet, beginning at approximately 15 feet bgs, to provide a lithological log of the subsurface strata encountered as SB-1 was advanced to its total depth. After drilling activity was completed, SB-1 was gauged, covered and left open as required for the next 72 hours in order to allow groundwater time to seep into the boring if present. Gauging activity directly after drilling cessation and after the subsequent 72 hour waiting period verified that no groundwater had seeped into the boring and confirmed a final total depth of 106.8 feet bgs. Included as Attachment 2 is a descriptive lithologic log for soil cuttings associated with boring SB-1.

Also on May 4, 2021, excavation wall samples CWSW-38 and CWSE-38, which were overlooked during excavating activity, were collected and submitted for laboratory analysis. Analytical results indicated the hydrocarbon and chloride concentrations were below the closure and reclamation criteria limits except for CWSE-38 which had a chloride concentration slightly above the reclamation criteria limit. In addition, CWSW-46 were collected and submitted for laboratory analysis. Analytical results indicated the and the chloride concentration was below closure and reclamation closure limits.

ANALYTICAL RESULTS

Based on the background and delineation soil samples, hydrocarbon and chloride impacted soil was excavated, and soil from the excavation's floor and walls were field screened to determine hydrocarbon and chlorides concentrations that provided guidance for excavating activities. Based on field screening and Solaris requested excavating depth limits, confirmation soil samples were collected from the sidewalls and floor of the excavation. Laboratory analytical results indicated that Benzene, BTEX, TPH (GRO+DRO+MRO), GRO+DRO, and chloride concentrations were compliant with the closure criteria limits in all excavation wall samples CWSS-1 through CWSN. All excavation wall samples were compliant with reclamation criteria limits except for CWSW-38 and CWSNE. The chloride concentration in CWSW-38 was slightly above the reclamation criteria limit and CWSNE was above the reclamation criteria limit. Further excavating of CWSNE was not feasible due to encroaching into the pipeline's ROW which would not be compliant with Solaris' pipeline stability and safety policy regarding earth moving activities near active pipelines. Laboratory analytical results indicated that Benzene, BTEX, TPH (GRO+DRO+MRO), GRO+DRO and chloride concentrations were compliant with the closure and reclamation criteria limits in excavation floor samples CFS-1 through CFS-8, CFS-48, CFS-50, CFS-53, CFS-56,



CFS-58 through CFS-60, CFS-62, CFS-64, CFS-66, and CFS-68 through CFS-70. Laboratory analytical results indicated that Benzene, BTEX, TPH (GRO+DRO+MRO), GRO+DRO and chloride were compliant with the closure criteria limit but chloride concentrations exceeding the reclamation criteria limit were left in place, per Solaris request, in the area of excavation floor samples CFS-9 through CFS-47, CFS-49, CFS-51, CFS-52, CFS-54, CFS-55, CFS-57, CFS-61, CFS-63, CFS-65, and CFS-67. The depths below ground surface in these locations ranged from 1.5 feet to 6 feet bgs. Laboratory analytical results for grab samples collected from “test hole” soil as each “test hole” was advanced indicated the hydrocarbon and chloride concentrations were below the closure criteria limits and the chloride concentration was above the reclamation criteria limit at 8 feet bgs for CFS-15 and CFS-22, and 20 feet for CFS-Hill. Laboratory analytical results are summarized in Table 1 and certified copies of complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUESTS

Based on pipeline ROW repair excavating of impacted soil and backfilling with clean material activity, anecdotal evidence of groundwater being greater than 100 feet bgs, confirmation of groundwater being greater than 100 feet bgs provided by SB-1, and a thick clay layer, identified from the drill cuttings of SB-1, which was encountered at shallow depths and extended beyond 100 feet bgs acting as a natural barrier, Solaris and SDR conclude that no further remedial action is warranted for the pipeline ROW and will not result in imminent risk to human health, the environment or groundwater. As a result, Solaris requests closure in regards to the pipeline’s ROW for Incident ID Number NRM2005137772.

In regards to the release area located south of the pipeline ROW, an estimated 5,674 cubic yards of hydrocarbon and chloride impacted soil were excavated from an area that extends from the southern boundary of the pipeline’s ROW to approximately 800 feet to the south and encompasses an area of approximately 23,911 square feet. Due to the extensive excavating to mitigate contaminant impacts at the Site both vertically and laterally, the amount of impacted soil removed, the anecdotal evidence of groundwater being greater than 100 feet bgs, confirmation of groundwater being greater than 100 feet bgs provided by SB-1, and the thick clay layer, identified from drill cuttings of SB-1, which was encountered at shallow depths and extended beyond 100 feet bgs acting as a natural barrier, Solaris and SDR conclude that no further remedial action is warranted for the excavated release area and will not result in imminent risk to human health, the environment or groundwater. As a result, Solaris requests approval to backfill the



excavated release area and closure of Incident ID Number NRM2005137772. Solaris upon approval of these backfill and closure request will also seek approval from the landowner and backfill the excavation with material approved by the landowner and recontour the Site to match pre-existing conditions. An updated NMOCD Form C-141 is included as Attachment 1.

If you have any questions or comments, please do not hesitate to contact me either at jfergerson@sdr-enterprises.com or at (432) 638-7333.

Sincerely,

SDR Enterprises, LLC

John M. Fergerson, P.G.

Senior Project Manager

cc: Rob Kirk, Solaris
e-Permitting Portal, NMOCD

Attachments:

- Figure 1 Site Topographic Map
- Figure 2 Release Area Aerial Image Map
- Figure 3 Excavated Area Aerial Image Map
- Figure 4a Excavation, Sample Locations, and Analytical Results Map
- Figure 4b Excavation, Sample Locations, and Analytical Results Map
- Figure 4c Excavation, Sample Locations, and Analytical Results Map
- Figure 4d Excavation, Sample Locations, and Analytical Results Map
- Figure 4e Excavation, Sample Locations, and Analytical Results Map
- Figure 4f Excavation, Sample Locations, and Analytical Results Map
- Figure 4g Excavation, Sample Locations, and Analytical Results Map
- Figure 4h Excavation, Sample Locations, and Analytical Results Map
- Table 1 Soil Analytical Summary
- Attachment 1 Initial NMOCD Form C-141
- Attachment 2 Lithologic Logs
- Attachment 3 Photographic Documentation Log
- Attachment 4 Certified Laboratory Analytical Reports

Figures

(Site Location, Release Area, Excavated Area, Sample Location and Analytical Results)



Project No.: 1000ENV

Scale: 1:15,897

Source: Google Earth

Date: January 4, 2021



SDR ENTERPRISES, LLC


3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 1: Site Location Topographic Map

Lobo to Eddy State ARV Release
 Units A and B, Section 35, Township 25 South, Range 28 East
 Lat/Long: 32.09352° North, 104.05411° West
 Eddy County, New Mexico
 Solaris Water, LLC



<p>Project No.: 1000ENV</p>	 <p>SDR ENTERPRISES, LLC</p> <p>3901 S Eunice Hwy, Hobbs, NM 88240</p> <p>PH. (575) 393-8420</p>	<p>Figure 2: Release Area Aerial Image Map</p>
<p>Scale: 1:1,128</p>		<p>Lobo to Eddy State ARV Release Units A and B, Section 35, Township 25 South, Range 28 East Lat/Long: 32.64601° North, 104.07430° West Eddy County, New Mexico Solaris Water, LLC</p>
<p>Source: Google Earth</p>		
<p>Date: January 4, 2021</p>		



Project No.: 1000ENV
Scale: 1:1,089
Source: Google Earth
Date: January 4, 2021



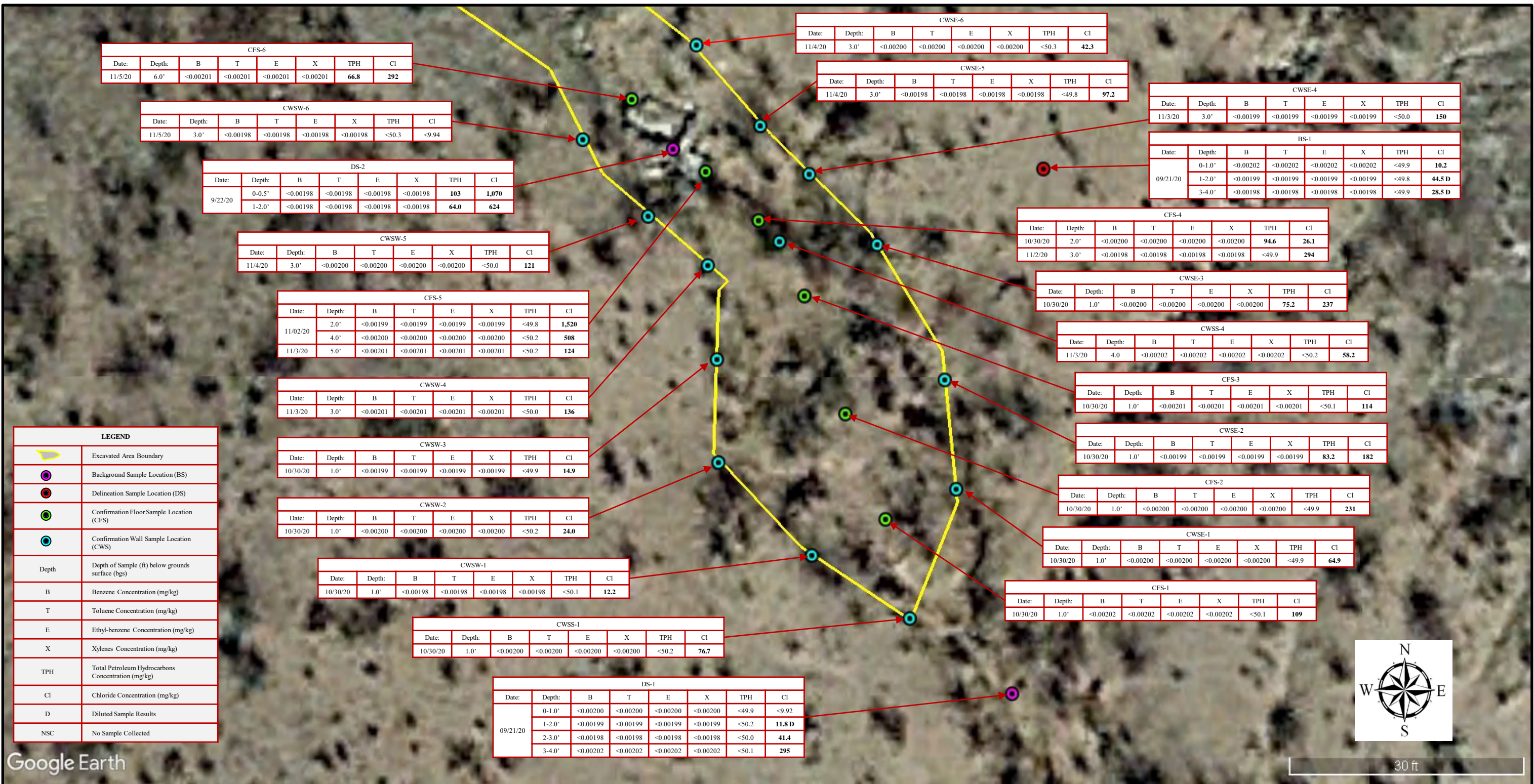
SDR ENTERPRISES, LLC

3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 3: Excavated Area Aerial Image Map


Lobo to Eddy State ARV Release
Units A and B, Section 35, Township 25 South, Range 28 East
Lat/Long: 32. 64601° North, 104.07430° West
Eddy County, New Mexico
Solaris Water, LLC

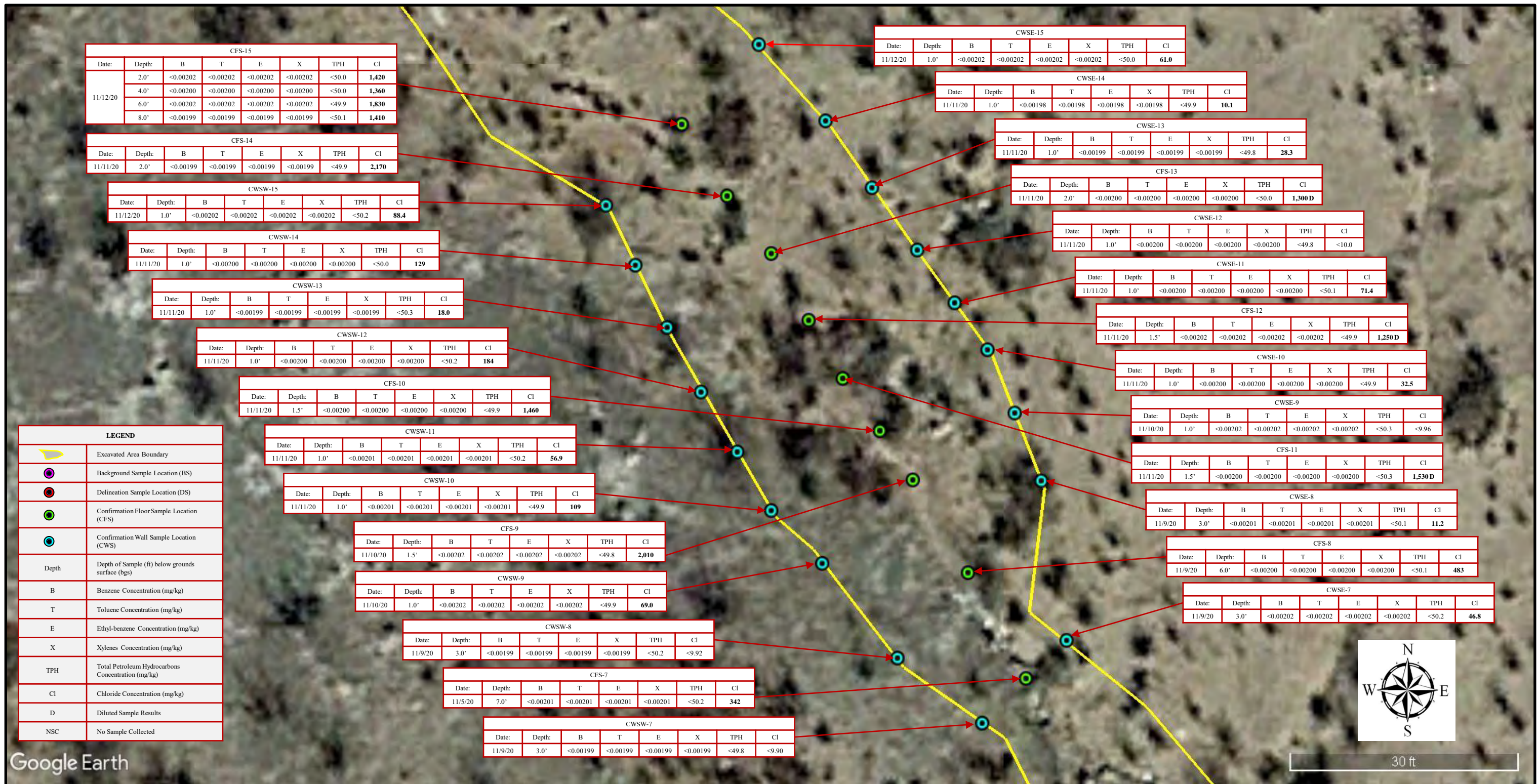


Google Earth



30 ft

<p>Project No.: 1000ENV</p> <p>Scale: 1:117</p> <p>Source: Google Earth</p> <p>Date: January 12, 2021</p>	 <p>SDR ENTERPRISES, LLC</p> <p>3901 S Eunice Hwy, Hobbs, NM 88240</p> <p>PH. (575) 393-8420</p>	<p>Figure 4a: Excavation, Sample Locations, and Analytical Results Map</p> <p>Lobo to Eddy State ARV Release Units A and B, Section 35, Township 25 South, Range 28 East Lat/Long: 32. 64601° North, 104.07430° West Eddy County, New Mexico Solaris Water, LLC</p>
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Project No.: 1000ENV

Scale: 1:120

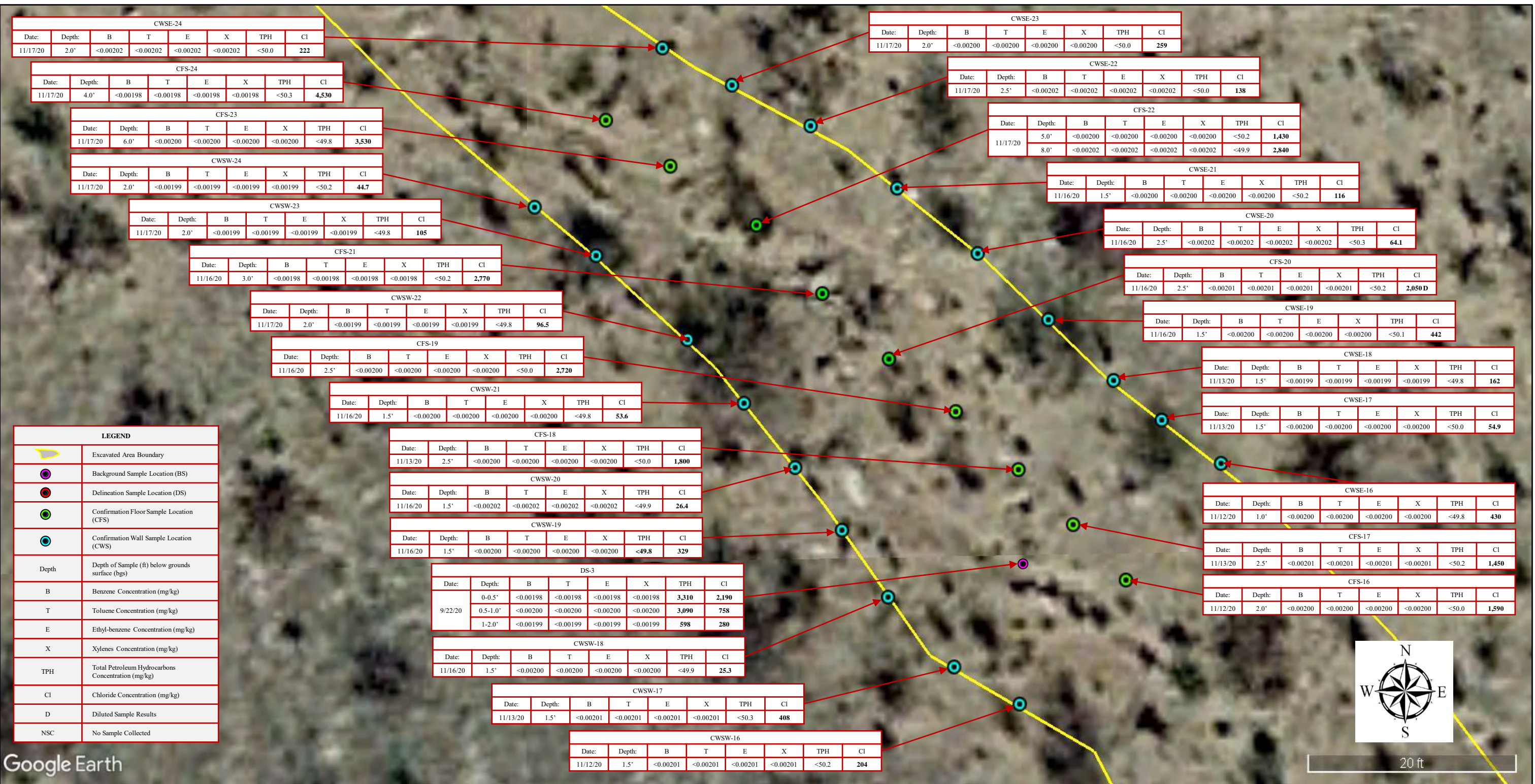
Source: Google Earth

Date: January 12, 2021


SDR ENTERPRISES, LLC
 3901 S Eunice Hwy, Hobbs, NM 88240
 PH. (575) 393-8420


Figure 4b: Excavation, Sample Locations, and Analytical Results Map

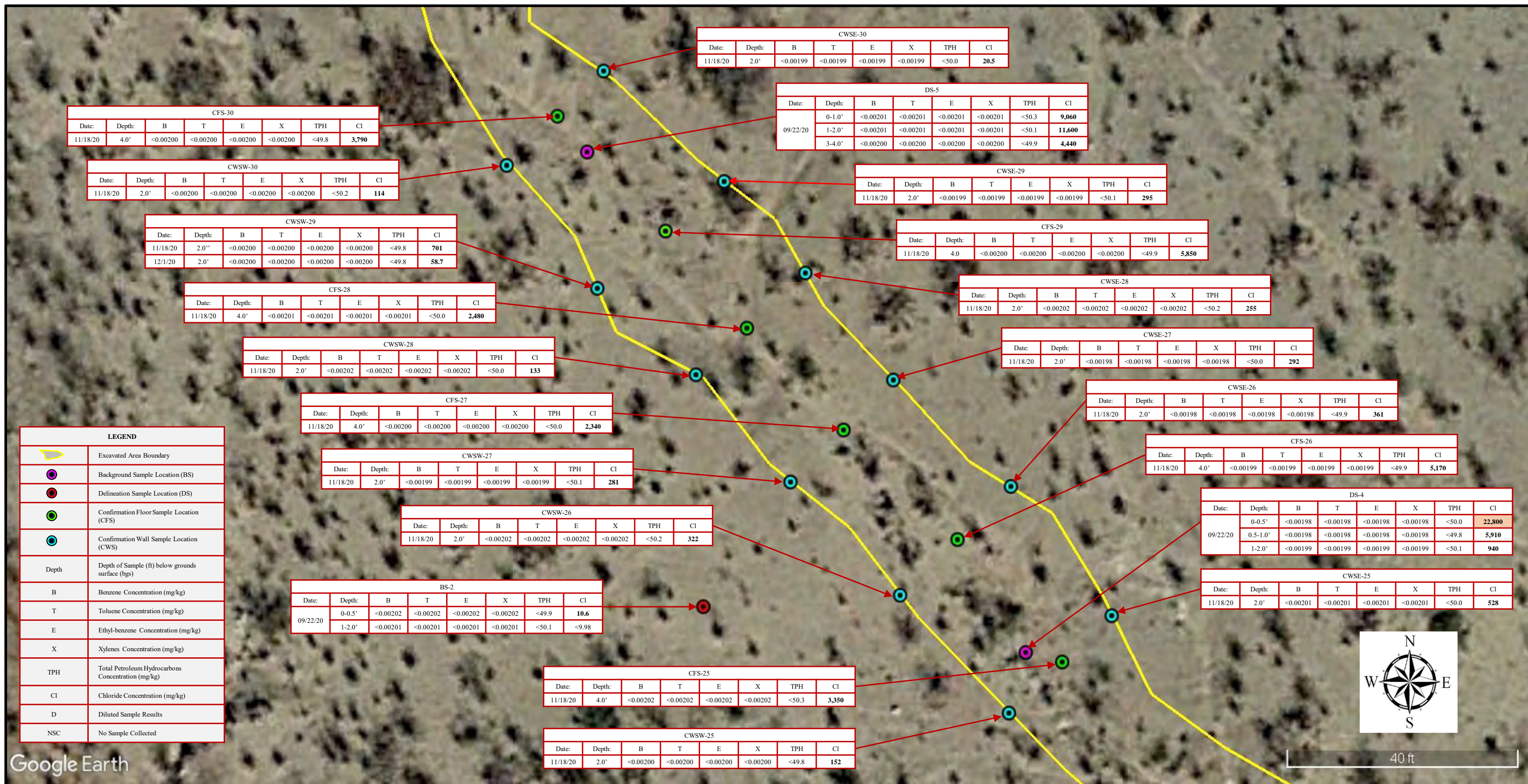
Lobo to Eddy State ARV Release
Units A and B, Section 35, Township 25 South, Range 28 East
Lat/Long: 32. 64601° North, 104.07430° West
Eddy County, New Mexico
Solaris Water, LLC



Google Earth



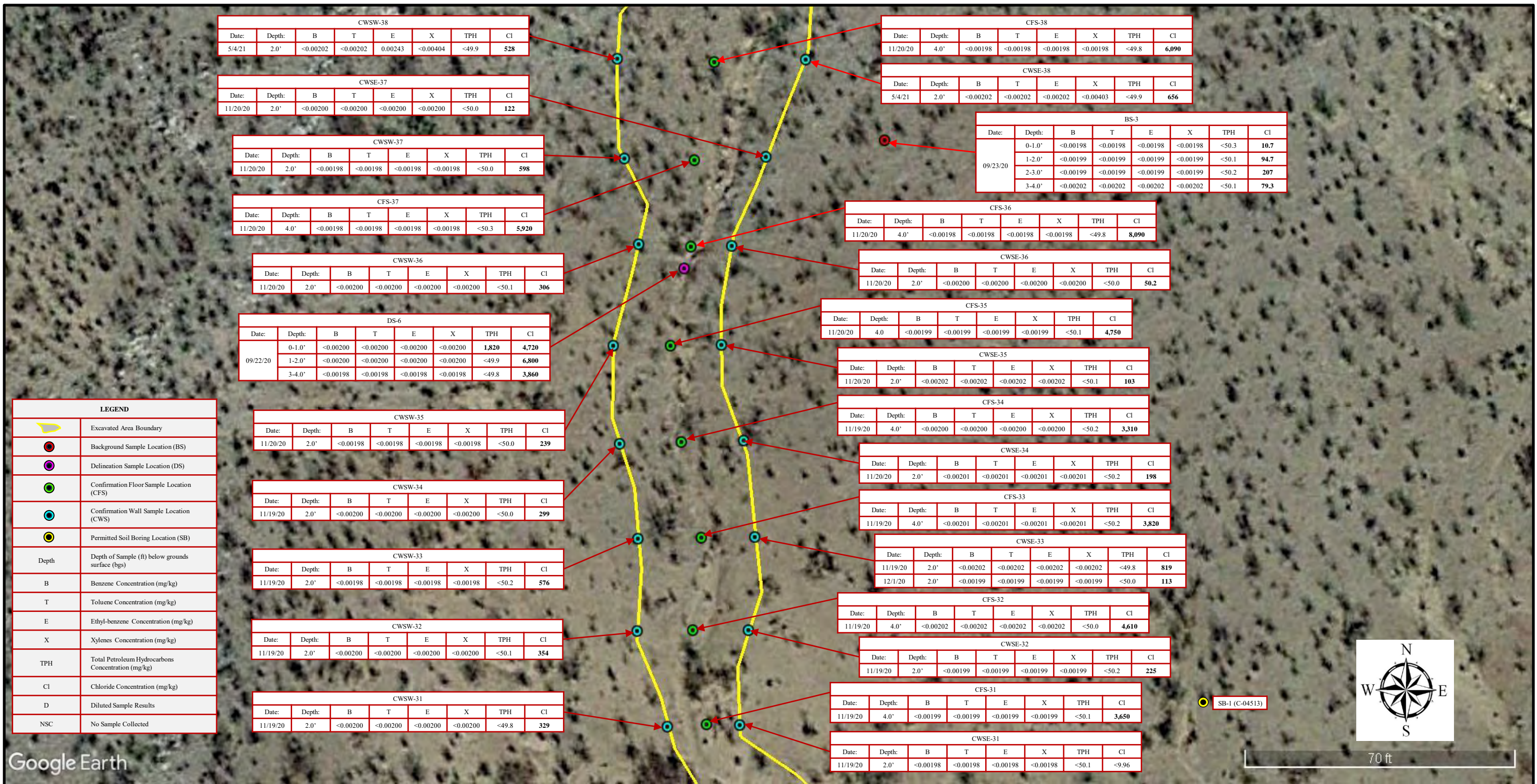
Project No.: 1000ENV	 SDR ENTERPRISES, LLC 3901 S Eunice Hwy, Hobbs, NM 88240 PH. (575) 393-8420	Figure 4c: Excavation, Sample Locations, and Analytical Results Map
Scale: 1:102		Lobo to Eddy State ARV Release Units A and B, Section 35, Township 25 South, Range 28 East Lat/Long: 32.64601° North, 104.07430° West Eddy County, New Mexico Solaris Water, LLC
Source: Google Earth		
Date: January 11, 2021		



Google Earth



<p>Project No.: 1000ENV</p> <p>Scale: 1:159</p> <p>Source: Google Earth</p> <p>Date: January 12, 2021</p>	 <p>SDR ENTERPRISES, LLC</p> <p>3901 S Eunice Hwy, Hobbs, NM 88240</p> <p>PH. (575) 393-8420</p>	<p align="center">Figure 4d: Excavation, Sample Locations, and Analytical Results Map</p> <p align="center">Lobo to Eddy State ARV Release Units A and B, Section 35, Township 25 South, Range 28 East Lat/Long: 32. 64601° North, 104.07430° West Eddy County, New Mexico Solaris Water, LLC</p>
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Google Earth



Project No.: 1000ENV

Scale: 1:237

Source: Google Earth

Date: January 13, 2021

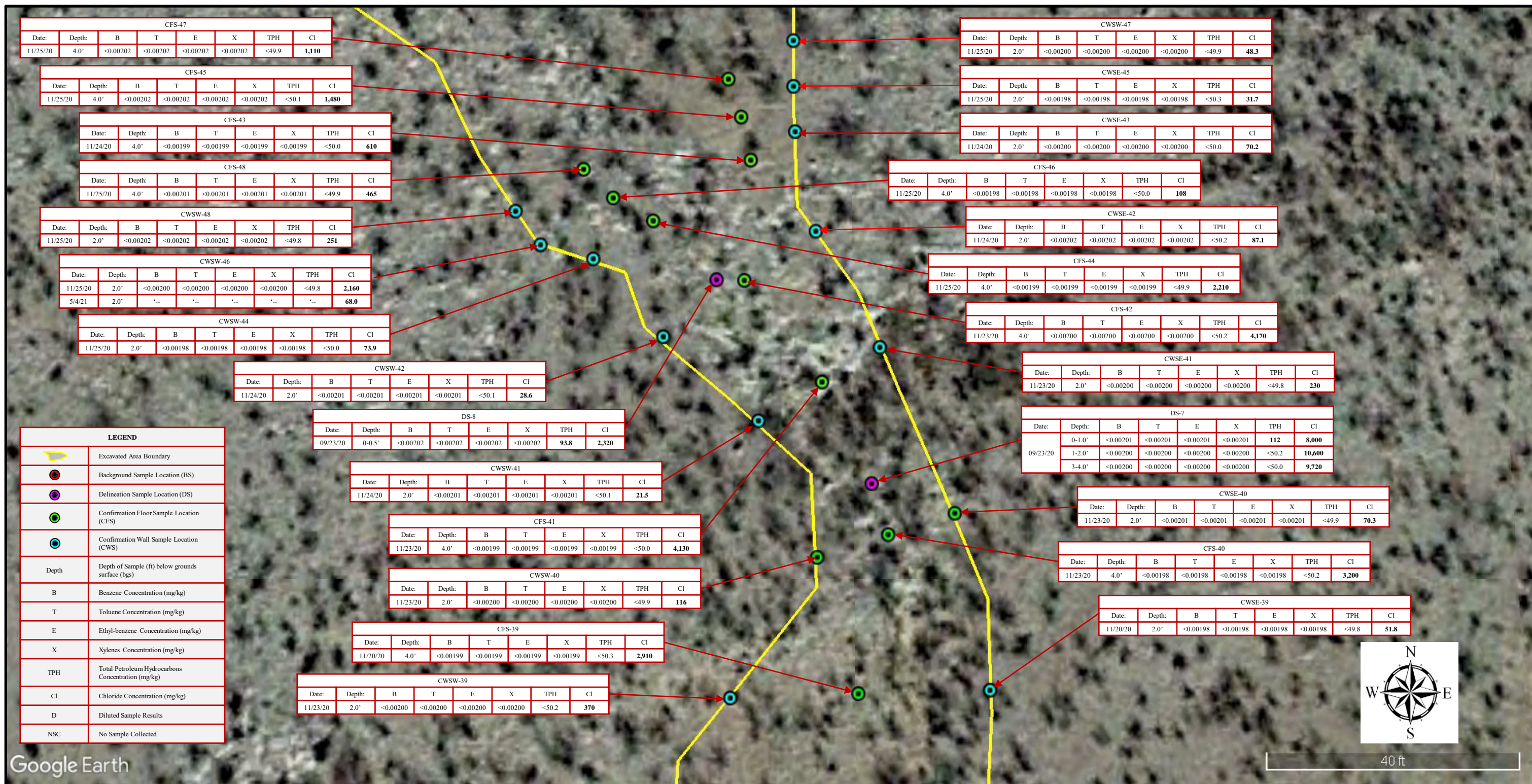


3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 4e: Excavation, Sample Locations, and Analytical Results Map

Lobo to Eddy State ARV Release
 Units A and B, Section 35, Township 25 South, Range 28 East
 Lat/Long: 32. 64601° North, 104.07430° West
 Eddy County, New Mexico
 Solaris Water, LLC



Google Earth



40 ft

Project No.: 1000ENV

Scale: 1:147

Source: Google Earth

Date: January 14, 2021



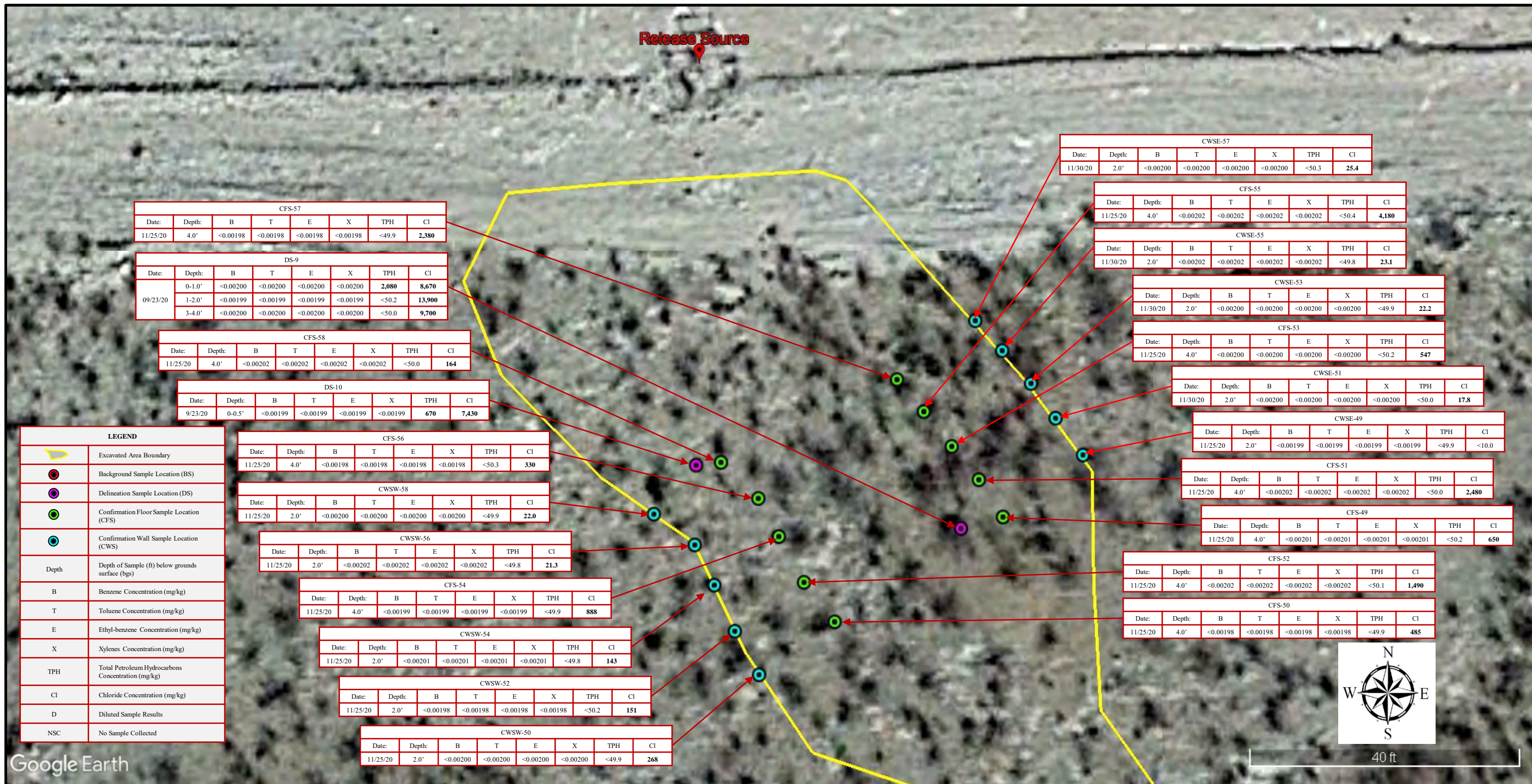
SDR ENTERPRISES, LLC

3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 4f: Excavation, Sample Locations, and Analytical Results Map

Lobo to Eddy State ARV Release
 Units A and B, Section 35, Township 25 South, Range 28 East
 Lat/Long: 32. 64601° North, 104.07430° West
 Eddy County, New Mexico
 Solaris Water, LLC



Project No.: 1000ENV

Scale: 1:135

Source: Google Earth

Date: January 13, 2021

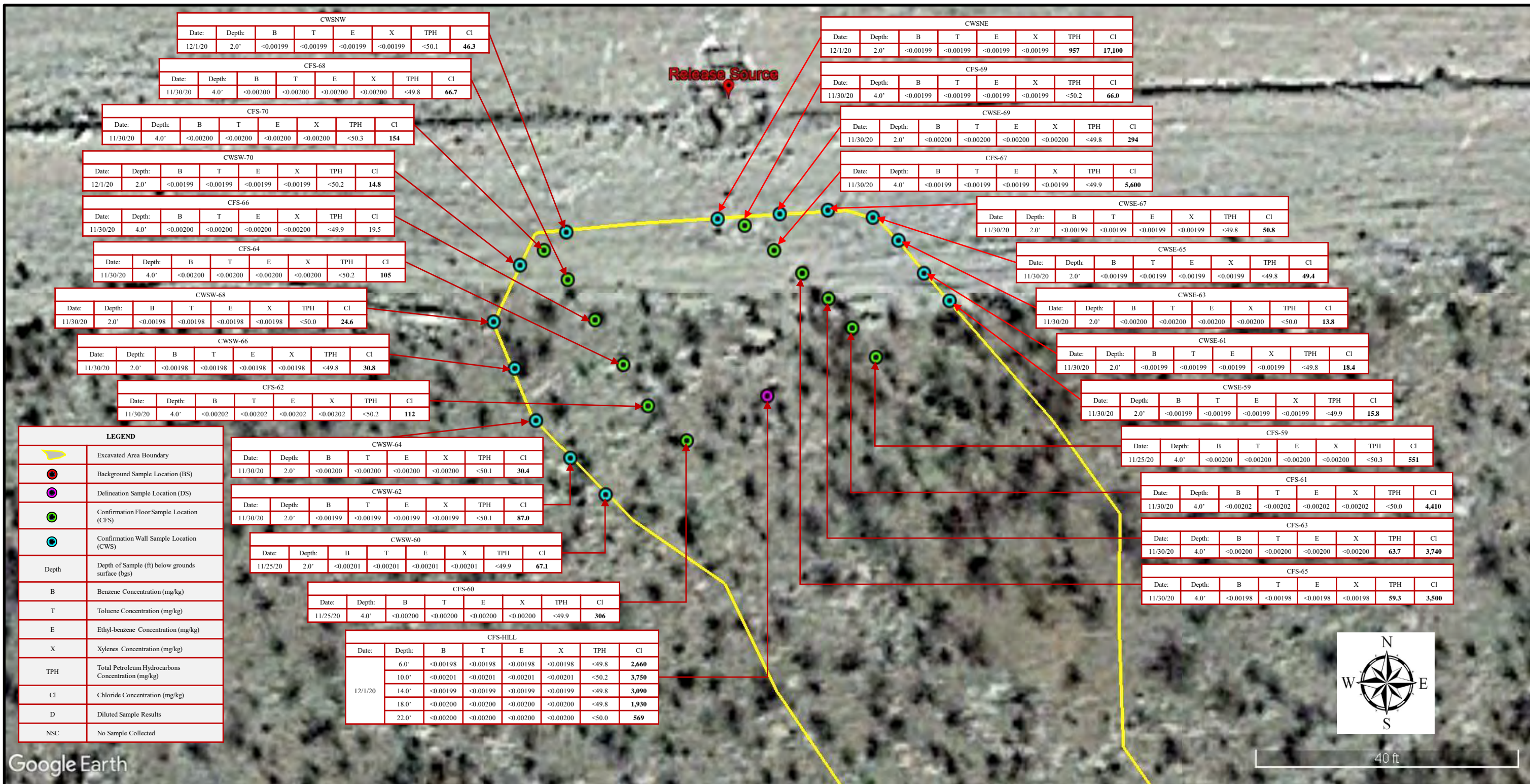


3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 4g: Excavation, Sample Locations, and Analytical Results Map

Lobo to Eddy State ARV Release
 Units A and B, Section 35, Township 25 South, Range 28 East
 Lat/Long: 32.64601° North, 104.07430° West
 Eddy County, New Mexico
 Solaris Water, LLC



Project No.: 1000ENV

Scale: 1:135

Source: Google Earth

Date: January 14, 2021



SDR ENTERPRISES, LLC

3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Figure 4h: Excavation, Sample Locations, and Analytical Results Map

Lobo to Eddy State ARV Release
 Units A and B, Section 35 Township 25 South, Range 28 East
 Lat/Long: 32.64601° North, 104.07430° West
 Eddy County, New Mexico
 Solaris Water, LLC

Table 1
(Soil Analytical Summary)

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
BACKGROUND SAMPLE RESULTS												
BS-1	9/21/2020	0-1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	10.2
BS-1	9/21/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	44.5 D ¹⁰
BS-1	9/21/2020	3-4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	28.5 D ¹⁰
BS-2	9/22/2020	0-0.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	10.6
BS-2	9/22/2020	1-2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<9.98
BS-3	9/23/2020	0-1.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	10.7
BS-3	9/23/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	94.7
BS-3	9/23/2020	2-3.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	207
BS-3	9/23/2020	3-4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	79.3
DELINEATION SAMPLE RESULTS												
DS-1	9/21/2020	0-1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<9.92
DS-1	9/21/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	11.8 D ¹⁰
DS-1	9/21/2020	2-3.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	41.4
DS-1	9/21/2020	3-4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	295
DS-2	9/22/2020	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	103	<49.8	103	1,070
DS-2	9/22/2020	1-2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	64.0	<49.8	64.0	624
DS-3	9/22/2020	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	3,030	284	3,310	2,190
DS-3	9/22/2020	0.5-1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	2,810	279	3,090	758
DS-3	9/22/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	533	65	598	280
DS-4	9/22/2020	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	22,800
DS-4	9/22/2020	0.5-1.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	5,910
DS-4	9/22/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	940
DS-5	9/22/2020	0-1.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	9,060
DS-5	9/22/2020	1-2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	11,600
DS-5	9/22/2020	3-4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	4,440
DS-6	9/22/2020	0-1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	1,690	132	1,820	4,720
DS-6	9/22/2020	1-2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	6,800
DS-6	9/22/2020	3-4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	3,860
DS-7	9/23/2020	0-1.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	112	<50.3	112	8,000
DS-7	9/23/2020	1-2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	10,600
DS-7	9/23/2020	3-4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	9,720

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride		
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)		(mg/kg ⁷)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018											
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg		2,500 mg/kg	20,000 mg/kg ⁷			
DS-8	9/23/2020	0-0.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	93.8	<50.2	93.8	2,320		
DS-9	9/23/2020	0-1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	1,920	158	2,080	8,670		
DS-9	9/23/2020	1-2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	13,900		
DS-9	9/23/2020	3-4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	9,700		
DS-10	9/23/2020	0-0.5'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	596	73.7	670	7,430		
CONFIRMATION SAMPLE RESULTS														
CFS-1	10/30/2020	1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	109		
CWSS-1	10/30/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	76.7		
CWSE-1	10/30/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	64.9		
CWSW-1	10/30/2020	1.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	12.2		
CFS-2	10/30/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	231		
CWSE-2	10/30/2020	1.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	83.2	<50.0	83.2	182		
CWSW-2	10/30/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	24.0		
CFS-3	10/30/2020	1.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	114		
CWSE-3	10/30/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	75.2	<50.2	75.2	237		
CWSW-3	10/30/2020	1.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	14.9		
CFS-4	10/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	94.6	<49.8	94.6	26.1		
CFS-4	11/2/2020	3.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	294		
CWSS-4	11/3/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	58.2		
CWSE-4	11/3/2020	3.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	150		
CWSW-4	11/3/2020	3.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	136		
CFS-5	11/2/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	1,520		
CFS-5	11/2/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	508		
CFS-5	11/3/2020	5.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	124		
CWSW-5	11/4/2020	3.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	121		
CWSE-5	11/4/2020	3.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	97.2		
CWSE-6	11/4/2020	3.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	42.3		
CFS-6	11/5/2020	6.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	66.8	<50.0	66.8	292		
CWSW-6	11/5/2020	3.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<9.94		
CFS-7	11/5/2020	7.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	342		
CWSE-7	11/9/2020	3.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	46.8		
CWSW-7	11/9/2020	3.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<9.90		

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CFS-8	11/9/2020	6.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	483
CWSW-8	11/9/2020	3.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<9.92
CWSE-8	11/9/2020	3.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	11.2
CFS-9	11/10/2020	1.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	2,010
CWSW-9	11/10/2020	1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	69.0
CWSE-9	11/10/2020	1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<9.96
CWSE-10	11/11/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	32.5
CWSW-10	11/11/2020	1.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	109
CFS-10	11/11/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	1,460
CWSW-11	11/11/2020	1.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	56.9
CWSE-11	11/11/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	71.4
CFS-11	11/11/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	1,530 D ¹⁰
CWSE-12	11/11/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<10.0
CFS-12	11/11/2020	1.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	1,250 D ¹⁰
CWSW-12	11/11/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	184
CWSE-13	11/11/2020	1.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	28.3
CFS-13	11/11/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	1,300 D ¹⁰
CWSW-13	11/11/2020	1.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	18.0
CFS-14	11/11/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	2,170
CWSE-14	11/11/2020	1.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	10.1
CWSW-14	11/11/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	129
CWSE-15	11/12/2020	1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	61.0
CWSW-15	11/12/2020	1.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	88.4
CFS-15	11/12/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	1,420
CFS-15	11/12/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	1,360
CFS-15	11/12/2020	6.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	1,830
CFS-15	11/12/2020	8.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	1,410
CFS-16	11/12/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	1,590
CWSE-16	11/12/2020	1.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	430
CWSW-16	11/12/2020	1.5'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	204
CFS-17	11/13/2020	2.5'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	1,450
CWSW-17	11/13/2020	1.5'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	408

Table 1

Soil Analytical Summary
Lobo to Eddy State ARV Release
Solaris Water, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CWSE-17	11/13/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	54.9
CFS-18	11/13/2020	2.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	1,800
CWSE-18	11/13/2020	1.5'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	162
CWSW-18	11/16/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	25.3
CFS-19	11/16/2020	2.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	2,720
CWSW-19	11/16/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	329
CWSE-19	11/16/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	442
CFS-20	11/16/2020	2.5'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	2,050 D ¹⁰
CWSE-20	11/16/2020	1.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	64.1
CWSW-20	11/16/2020	1.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	26.4
CFS-21	11/16/2020	3.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	2,770
CWSW-21	11/16/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	53.6
CWSE-21	11/16/2020	1.5'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	116
CWSW-22	11/17/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	96.5
CFS-22	11/17/2020	5.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	1,430
CWSE-22	11/17/2020	2.5'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	138
CFS-22	11/17/2020	8.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	2,840
CFS-23	11/17/2020	6.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	3,530
CWSE-23	11/17/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	259
CWSW-23	11/17/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	105
CFS-24	11/17/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	4,530
CWSW-24	11/17/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	44.7
CWSE-24	11/17/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	222
CWSW-25	11/18/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	152
CFS-25	11/18/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	3,350
CWSE-25	11/18/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	528
CWSW-26	11/18/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	322
CWSE-26	11/18/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	361
CFS-26	11/18/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	5,170
CWSW-27	11/18/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	281
CFS-27	11/18/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	2,340
CWSE-27	11/18/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	292

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CWSW-28	11/18/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	133
CWSE-28	11/18/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	255
CFS-28	11/18/2020	4.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	2,480
CWSW-29	11/18/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	701
CWSE-29	11/18/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	295
CFS-29	11/18/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	5,850
CWSW-29	12/1/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	58.7
CFS-30	11/18/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	3,790
CWSW-30	11/18/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	114
CWSE-30	11/18/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	20.5
CWSE-31	11/19/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<9.96
CWSW-31	11/19/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	329
CFS-31	11/19/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	3,650
CWSE-32	11/19/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	225
CFS-32	11/19/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	4,610
CWSW-32	11/19/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	354
CWSE-33	11/19/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	819
CFS-33	11/19/2020	4.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	3,820
CWSW-33	11/19/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	576
CWSE-33	12/1/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	113
CWSW-34	11/19/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	299
CFS-34	11/19/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	3,310
CWSE-34	11/20/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	198
CWSE-35	11/20/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	103
CWSW-35	11/20/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	239
CFS-35	11/20/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	4,750
CWSE-36	11/20/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	50.2
CFS-36	11/20/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	8,090
CWSW-36	11/20/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	306
CWSW-37	11/20/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	598
CFS-37	11/20/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	5,920
CWSE-37	11/20/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	122

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CFS-38	11/20/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	6,090
CWSE-38	5/4/2021	2.0'	<0.00202	<0.00202	0.00243	<0.00404	<0.00404	<49.9	<49.9	<49.9	<49.9	528
CWSW-38	5/4/2021	2.0'	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	656
CWSE-39	11/20/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	51.8
CFS-39	11/20/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	2,910
CWSW-39	11/23/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	370
CWSW-40	11/23/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	116
CWSE-40	11/23/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	70.3
CFS-40	11/23/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	3,200
CWSE-41	11/23/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	230
CFS-41	11/23/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	4,130
CWSW-41	11/24/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	21.5
CFS-42	11/23/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	4,170
CWSW-42	11/24/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	28.6
CWSE-42	11/24/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	87.1
CWSE-43	11/24/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	70.2
CFS-43	11/24/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	610
CFS-44	11/25/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	2,210
CWSW-44	11/25/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	73.9
CFS-45	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	1,480
CWSE-45	11/25/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	31.7
CFS-46	11/25/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	108
CWSW-46	11/25/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	2,160
CWSW-46	5/4/2021	2.0'	--	--	--	--	--	--	--	--	--	68.0
CFS-47	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	1,110
CWSE-47	11/25/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	48.3
CFS-48	11/25/2020	4.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	465
CWSW-48	11/25/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	251
CFS-49	11/25/2020	4.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	650
CWSE-49	11/25/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<10.0
CFS-50	11/25/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	485
CWSW-50	11/25/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	268

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CFS-51	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	2,480
CWSE-51	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	17.8
CWSW-52	11/25/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	151
CFS-52	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	1,490
CFS-53	11/25/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	547
CWSE-53	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	22.2
CWSW-54	11/25/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	143
CFS-54	11/25/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	888
CFS-55	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.4	<50.4	<50.4	<50.4	4,180
CWSE-55	11/30/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	23.1
CWSW-56	11/25/2020	2.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	21.3
CFS-56	11/25/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	330
CFS-57	11/25/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	2,380
CWSE-57	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	25.4
CWSW-58	11/25/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	22.0
CFS-58	11/25/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	164
CFS-59	11/25/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	551
CWSE-59	11/30/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	15.8
CWSW-60	11/25/2020	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	67.1
CFS-60	11/25/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	306
CFS-61	11/30/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	4,410
CWSE-61	11/30/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	18.4
CWSW-62	11/30/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	87.0
CFS-62	11/30/2020	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	112
CFS-63	11/30/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	63.7	<50.3	63.7	3,740
CWSE-63	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	13.8
CWSW-64	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	30.4
CFS-64	11/30/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	105
CFS-65	11/30/2020	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	59.3	<50.3	59.3	3,500
CWSE-65	11/30/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	49.4
CWSW-66	11/30/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	30.8
CFS-66	11/30/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	19.5

Table 1

Soil Analytical Summary
 Lobo to Eddy State ARV Release
 Solaris Water, LLC
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (feet bgs ¹)	Benzene	Toluene	Ethyl-Benzene	Xylenes	BTEX ²	TPH ³				Chloride
			(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	(mg/kg ⁷)	GRO ⁴ (C6-C10)	DRO ⁵ (C10-C28)	ORO ⁶ (C28-C35)	Total (GRO/DRO/ORO)	
			NMOCD ⁸ Closure Criteria for Impacted Soil Delineation & Recommended Remediation Action Levels per NMAC ⁹ 19.15.29 August 2018									
			10 mg/kg ⁷				50 mg/kg ⁷	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg ⁷
CFS-67	11/30/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	5,600
CWSE-67	11/30/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	50.8
CWSW-68	11/30/2020	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	24.6
CFS-68	11/30/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	66.7
CFS-69	11/30/2020	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	66.0
CWSE-69	11/30/2020	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	294
CFS-70	11/30/2020	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	154
CWSW-70	12/1/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	14.8
CFS-Hill	12/1/2020	6.0'	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	2,660
CFS-Hill	12/1/2020	10.0'	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	3,750
CFS-Hill	12/1/2020	14.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	3,090
CFS-Hill	12/1/2020	18.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	1,930
CFS-Hill	12/1/2020	22.0'	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	569
CWSNW	12/1/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	46.3
CWSNE	12/1/2020	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	49.8	898	58.7	957	17,100

Notes:

¹ - below ground surface

² - benzene, toluene, ethyl-benzene, and total xylenes

³ - total petroleum hydrocarbons

⁴ - gasoline range organics

⁵ - diesel range organics

⁶ - oil range organics

⁷ - milligrams per kilogram

⁸ - New Mexico Oil Conservation Division

⁹ - New Mexico Administrative Code

< - indicates result is below laboratory reporting limits

bold indicates analyte detected above the laboratory reporting limits

^D - the result is from a diluted sample

highlighted & bold indicates the analytical result exceeds the NMOCD Closure Criteria Recommended Remediation Action Levels

¹⁰ - no sample collected

Attachment 1
(Initial NMOCD Form C-141)

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NRM2005137772
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Solaris Water Midstream, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O- 432-203-9020 C- 469-9785620
Contact email rob.kirk@solarismidstream.com	Incident # (assigned by OCD)
Contact mailing address 907 Tradewinds Blvd, Ste B, Midland, TX 79706	

Location of Release Source

Latitude 32.09352 Longitude -104.05411
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lobo to Eddy State Line	Site Type Produced Water Line ROW
Date Release Discovered 01/18/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
B	26	25 S	28 E	Eddy

Surface Owner: State Federal Tribal Private (Name: State Land - corrected)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 148	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On a 16-inch polyethylene (PE) buried line that carries water from the Lobo 285 SWD to the Eddy State SWD a leak occurred underground at an Air Release Valve (ARV). The line was shut-in, and flow was stopped. Upon uncovering the line, it was determined that a section of 4-inch PE pipe leading up to the ARV failed at a fusion joint. The ARV was removed along with the connection to the main line and replaced with a straight connection to the main line.


State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The amount of surface soil impacted, the size of the pipeline, and the amount of time to shut-in the line. The soil area impacted is approximately 1-2 feet wide and terminates approximately 740 feet from the release point following the natural land contours for an impacted area of approximately 1,110 square feet.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, this completed From C-141 was uploaded to the NMOCD web portal on 2/19/2020 by Rob Kirk.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: Some of the impacted soil has been moved to a plastic tarp and isolated for appropriate disposal. The area of the release precludes the use of dikes or berms. Remaining free liquids have absorbed into the soil.	
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: <u>Rob Kirk</u>	Title: <u>General Manager, HSE & Compliance</u>
Signature: <u></u>	Date: <u>02/19/2020</u>
email: <u>rob.kirk@solarismidstream.com</u>	Telephone: <u>432-203-9020</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____

Attachment 2
(Lithological Logs)

LOCATION AND EXCAVATION LITHOLOGIC LOG



SAMPLE NAME: DS-1 TOTAL DEPTH: 4 Feet
 SITE ID: Lobo to Eddy State ARV Release CLIENT: Solaris Water, LLC
 SURFACE ELEVATION: _____ COUNTY: Eddy
 DRILLING CONTRACTOR: _____ STATE: New Mexico
 SAMPLING METHOD: Trackhoe LOCATION: _____
 START DATE: 9/21/2020 FIELD REP.: J. Fergerson
 COMPLETION DATE: 9/21/2020 PROJECT NUMBER: ENV1000
 COMMENTS: Grab floor samples

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	Grab	--	<120 mg/L	Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor	
		1'	2'	Grab	--	<120 mg/L	Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor	
	CL	2'	3'	Grab	--	<120 mg/L	Silty Clay, orange, gypsum in matrix, loosely consolidated, dry, no odor	
		3'	4'	Grab	--	<120 mg/L		
							TD @ 4 Feet BGS	
						5'		
						10'		
						15'		
						20'		
						25'		

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	CFS-1	TOTAL DEPTH:	1 Foot
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	10/30/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	10/30/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor sample		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	Comp	2.9 ppm	340 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
								TD @ 1 Foot BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	CFS-5	TOTAL DEPTH:	5 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	11/2/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	11/3/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
		1'	2'	Comp	0.6 ppm	1,400 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemented vf grain sand, dry, no odor
		2'	3'	NS	--	--		
	SM	3'	4'	Comp	0.9 ppm	520 mg/L		Sandy Silt, dull orange, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
		4'	5'	Comp	1.7 ppm	188 mg/L	5'	Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemented vf grain sand, dry, no odor
								TD @ 5 Feet BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	CFS-9	TOTAL DEPTH:	1.5 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	11/10/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	11/10/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1.5'	Comp	42.3 ppm	3,812 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SAMPLE NAME:	CFS-15	TOTAL DEPTH:	8 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	11/12/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	11/12/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite and grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
	SM	1'	2'	Comp	1.7 ppm	1,512 mg/L		Sandy Silt, light brownish gray, poorly sorted, gypsum in matrix, loosely consolidated, dry, no odor
	ML	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gypsum in matrix, loosely consolidated, dry, no odor
		3'	4'	Grab	5.6 ppm	1,056 mg/L		
		4'	5'	NS	--	--	5'	
		5'	6'	Grab	2.8 ppm	1,716 mg/L		
		6'	7'	NS	--	--		
		7'	8'	Grab	4.2 ppm	1,716 mg/L		
								TD @ 8 Feet BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-3	TOTAL DEPTH:	2.0 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	9/22/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0' - 0.5'	0.5' - 1.0'	Grab Grab	-- -	1,972 mg/L 720 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1.0'	2.0'	Grab	--	340 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemented vf grain sand, dry, sl hydrocarbon odor
								TD @ 2.0 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SAMPLE NAME:	CFS-22	TOTAL DEPTH:	8 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	11/12/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	11/12/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite and grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES	
		FROM	TO	TYPE	PID	Chloride			
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor	
	SM	1'	2'	Comp	1.7 ppm	1,512 mg/L		Sandy Silt, light brownish gray, poorly sorted, gypsum in matrix, loosely consolidated, dry, no odor	
	CL	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gypsum in matrix, loosely consolidated, dry, no odor	
		3'	4'	NS	--	--			
		4'	5'	NS	--	--	5'		
		5'	6'	Grab	2.5 ppm	2,708 mg/L			Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
		6'	7'	NS	--	--			
		7'	8'	Grab	2.7 ppm	2,960 mg/L			
								TD @ 8 Feet BGS	
							10'		
							15'		
							20'		
							25'		

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-4	TOTAL DEPTH:	2.0 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	9/22/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	0.5'	Grab	--	19,416 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, sl hydrocarbon odor Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemented w/ grain sand, dry, sl hydrocarbon odor Clayey Silt, dull orange-pale orange, interbedded with micro-crystalline quartzite, gypsum in matrix, loosely consolidated, dry, no odor
	ML	0.5'	1.0'	Grab	--	6,160 mg/L		
		1.0'	2.0'	Grab	--	980 mg/L		
							5'	
							10'	
							15'	
							20'	
							25'	

TD @ 2 Feet BGS

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-5	TOTAL DEPTH:	4 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:	_____	COUNTY:	Eddy
DRILLING CONTRACTOR:	_____	STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	_____
START DATE:	9/22/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	4,140 mg/L		Silty Clay, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
		3'	4'	Grab	--	4,140 mg/L		Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
							5'	TD @ 4 Feet BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	CFS-32	TOTAL DEPTH:	4 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	11/19/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	11/19/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange, loosely consolidated, dry, no odor
		3'	4'	Comp	1.0 ppm	3,508 mg/L		Silty Clay, dull orange, loosely consolidated, dry, no odor
							5'	TD @ 4 Feet BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-6	TOTAL DEPTH:	4 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	9/22/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	4,140 mg/L		Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
		3'	4'	Grab	--	4,140 mg/L		Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
							5'	TD @ 4 Feet BGS
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

SAMPLE NAME:	CFS-Hill	TOTAL DEPTH:	22 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:		STATE:	New Mexico
SAMPLING METHOD:	Trackhoe	LOCATION:	
START DATE:	12/1/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	12/1/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	NS	--	--		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemented vf grain sand, dry, sl hydrocarbon odor
		2'	3'	NS	--	--		
		3'	4'	NS	--	--		
		4'	5'	NS	--	--	5'	Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		5'	6'	Grab	0.8 ppm	2,352 mg/L		
		7'	8'	Grab	0.8 ppm	4,276 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		9'	10'	Grab	0.8 ppm	2,352 mg/L	10'	
		11'	12'	Grab	1.1 ppm	3,064 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		13'	14'	Grab	1.0 ppm	3,064 mg/L	15'	
		17'	18'	Grab	2.6 ppm	2,144 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		21'	22'	Grab	1.5 ppm	720 mg/L	20'	
								Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
							25'	
								TD @ 22 Feet BGS

LOCATION AND EXCAVATION LITHOLOGIC LOG



SDR ENTERPRISES, LLC

LOCATION NAME:	SB-1 (C-04513)	TOTAL DEPTH:	106.8 Feet
SITE ID:	Lobo to Eddy State ARV Release	CLIENT:	Solaris Water, LLC
SURFACE ELEVATION:		COUNTY:	Eddy
DRILLING CONTRACTOR:	Vision, Resources, Inc	STATE:	New Mexico
DRILLING METHOD:	Air Rotary	LOCATION:	
START DATE:	5/4/2020	FIELD REP.:	J. Ferguson
COMPLETION DATE:	5/4/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab cutting samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION					DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
		FROM	TO	TYPE	PID	Chloride		
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gypsum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange, loosely consolidated, dry, no odor
		3'	4'	NS	--	--		<i>Lithologic descriptions from 0' to 4' below ground surface was extrapolated from the lithologic descriptions for CFS-32</i>
							5'	<i>No lithologic descriptions available from 4' to 14' below ground surface due to drilling operations being initiated prior to collecting cutting samples</i>
							10'	
		14'	15'	Cuttings	--	--	15'	Silty Clay, dull orange, moderately compacted, w/rock fragments in matrix, dry, no odor
	CL	19'	20'	Cuttings	--	--	20'	Silty Clay, dull yellow orange, moderately compacted, dry, no odor
		24'	25'	Cuttings	--	--	25'	Silty Clay, dull yellow orange, moderately compacted, dry, no odor

SOIL BORING NO: SB-1 (C-04513)								TOTAL DEPTH: 106.8 Feet	
LITH	USCS	SAMPLE					DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES	
		FROM	TO	TYPE	%	PID			
								Silty Clay, dull yellow orange, moderately compacted, dry, no odor	
		29'	30'	Cuttings	--	--	30'	Silty Clay, dull yellow orange, moderately compacted, dry, no odor	
		34'	35'	Cuttings	--	--	35'	Silty Clay, dull yellow orange, moderately compacted, dry, no odor	
	CL	39'	40'	Cuttings	--	--	40'	Silty Clay, dull yellow orange, moderately compacted, dry, no odor	
		44'	45'	Cuttings	--	--	45'	Silty Clay, dull orange, moderately compacted, dry, no odor	
		49'	50'	Cuttings	--	--	50'	Silty Clay, dull orange, moderately compacted, dry, no odor	
		54'	55'	Cuttings	--	--	55'	Silty Clay, dull orange, moderately compacted, dry, no odor	

SOIL BORING NO: SB-1 (C-04513)								TOTAL DEPTH: 106.8 Feet	
LITH	USCS	SAMPLE					DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES	
		FROM	TO	TYPE	%	PID			
								Silty Clay, dull orange, moderately compacted, dry, no odor	
		59'	60'	Cuttings	--	--	60'	Silty Clay, dull orange, tightly compacted, w/rock fragments in matrix, dry, no odor	
		64'	65'	Cuttings	--	--	65'	Silty Clay, dull orange, moderately-tightly compacted, w/rock fragments in matrix, dry, no odor	
	CL	69'	70'	Cuttings	--	--	70'	Silty Clay, dull orange, moderately-tightly compacted, w/rock fragments in matrix, dry, no odor	
		74'	75'	Cuttings	--	--	75'	Silty Clay, dull orange, tightly compacted, dry, no odor	
		79'	80'	Cuttings	--	--	80'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor	
		84'	85'	Cuttings	--	--	85'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor	

SOIL BORING NO: SB-1 (C-04513)								TOTAL DEPTH: 106.8 Feet	
LITH	USCS	SAMPLE					DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES	
		FROM	TO	TYPE	%	PID			
CL		89'	90'	Cuttings	--	--		Silty Clay, dull orange, moderately-tightly compacted, dry, no odor	
							90'		Silty Clay, dull brown, moderately compacted, dry, no odor
		94'	95'	Cuttings	--	--		Silty Clay, dull orange, moderately-tightly compacted, dry, no odor	
		99'	100'	Cuttings	--	--		Silty Clay, dull orange, moderately-tightly compacted, dry, no odor	
104'	105'	Cuttings	--	--		Silty Clay, dull orange, moderately compacted, dry, no odor			
							TD @ 106.8 Feet BGS		
						110'			
						115'			

Attachment 3
(Photographic Documentation Log)



Photo 1: View of pipeline release source at air relief valve (ARV) facing west down right-of way



Photo 2: View of Delineation Sample 1 (DS-1) location facing down

Site Photographs



Photo 3: View of Background Sample 1 (BS-1) location facing down



Photo 4: View Delineation Sample 2 (DS-1) location facing down

Site Photographs



Photo 5: View of Delineation Sample 3 (DS-3) location facing down



Photo 6: View of Delineation Sample 4 (DS-4) location facing down

Site Photographs



Photo 7: View of Background Sample 2 (BS-2) location facing down



Photo 8: View of Delineation Sample 5 (DS-5) location facing down

Site Photographs



Photo 9: View of Delineation Sample 6 (DS-6) location facing down



Photo 10: View of Background Sample 3 (BS-3) location facing down

Site Photographs



Photo 11: View of Delineation Sample 7 (DS-7) location facing down



Photo 12: View of Delineation Sample 8 (DS-8) location facing down

Site Photographs



Photo 13: View of Delineation Sample 9 (DS-9) location facing down



Photo 14: View of Delineation Sample 10 (DS-10) location facing down

Site Photographs



Photo 15: View of excavated area's southern boundary facing south-southwest



Photo 16: View of excavated area's lower region facing southeast

Site Photographs



Photo 17: View of excavated area's central region facing southeast



Photo 18: View of excavated area's upper central region facing southwest

Site Photographs



Photo 19: View of excavated area's upper region facing south from pipeline right-of-way



Photo 20: View of excavated area's northern boundary facing west at pipeline right-of-way

Site Photographs

Attachment 4
(Certified Analytical Laboratory Reports)

Certificate of Analysis Summary 673381

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Ferguson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-001	673381-002	673381-003	673381-004	673381-005	673381-006
	<i>Field Id:</i>	DS-1 (0-1.0')	DS-1 (1-2.0')	DS-1 (2-3.0')	DS-1 (3-4.0')	BS-1 (0-1.0')	BS-1 (1-2.0')
	<i>Depth:</i>	0-1 ft	1-2 ft	2-3 ft	3-4 ft	0-1 ft	1-2 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	09.21.2020 12:20	09.21.2020 12:25	09.21.2020 12:30	09.21.2020 12:40	09.21.2020 14:40	09.21.2020 14:45
BTEX by EPA 8021B	<i>Extracted:</i>	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00
	<i>Analyzed:</i>	09.23.2020 23:49	09.24.2020 00:11	09.24.2020 00:33	09.24.2020 00:56	09.24.2020 01:18	09.24.2020 01:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
m,p-Xylenes		<0.00400 0.00400	<0.00398 0.00398	<0.00397 0.00397	<0.00403 0.00403	<0.00404 0.00404	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
Total BTEX		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57
	<i>Analyzed:</i>	09.23.2020 18:37	09.23.2020 18:54	09.23.2020 18:59	09.23.2020 19:05	09.23.2020 19:10	09.23.2020 19:26
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<9.92 9.92	11.8 D 9.92	41.4 D 9.98	295 50.1	10.2 10.1	44.5 D 10.0
TPH By SW8015 Mod	<i>Extracted:</i>	09.23.2020 16:00	09.23.2020 16:00	09.23.2020 16:00	09.23.2020 16:00	09.23.2020 16:00	09.23.2020 16:00
	<i>Analyzed:</i>	09.23.2020 17:25	09.23.2020 17:44	09.23.2020 18:04	09.23.2020 18:24	09.23.2020 18:44	09.23.2020 19:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.2 50.2	<50.0 50.0	<50.1 50.1	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)		<49.9 49.9	<50.2 50.2	<50.0 50.0	<50.1 50.1	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.2 50.2	<50.0 50.0	<50.1 50.1	<49.9 49.9	<49.8 49.8
Total TPH		<49.9 49.9	<50.2 50.2	<50.0 50.0	<50.1 50.1	<49.9 49.9	<49.8 49.8

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Certificate of Analysis Summary 673381

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-007	673381-008	673381-009	673381-010	673381-011	673381-012
	<i>Field Id:</i>	BS-1 (3-4.0')	DS-2 (0-0.5')	DS-2 (1-2.0')	DS-3 (0-0.5')	DS-3 (0.5-1.0')	DS-3 (1-2.0')
	<i>Depth:</i>	3-4 ft	0-0.5 ft	1-2 ft	0-0.5 ft	0.5-1 ft	1-2 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	09.21.2020 15:00	09.22.2020 09:50	09.22.2020 10:00	09.22.2020 10:55	09.22.2020 11:00	09.22.2020 11:05
BTEX by EPA 8021B	<i>Extracted:</i>	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00
	<i>Analyzed:</i>	09.24.2020 02:03	09.24.2020 02:26	09.24.2020 02:48	09.24.2020 03:10	09.24.2020 04:28	09.24.2020 04:50
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00397 0.00397	<0.00396 0.00396	<0.00396 0.00396	<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Total BTEX		<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57
	<i>Analyzed:</i>	09.23.2020 19:32	09.23.2020 19:37	09.23.2020 19:43	09.23.2020 19:48	09.23.2020 19:54	09.23.2020 20:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		28.5 D 10.0	1070 49.6	624 49.9	2190 199	758 50.1	280 50.4
TPH By SW8015 Mod	<i>Extracted:</i>	09.23.2020 16:00	09.23.2020 16:00	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30
	<i>Analyzed:</i>	09.23.2020 19:25	09.23.2020 19:45	09.23.2020 17:25	09.23.2020 17:44	09.23.2020 18:04	09.23.2020 18:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.8 49.8	<49.8 49.8	<49.8 49.8	<50.2 50.2	<50.1 50.1
Diesel Range Organics (DRO)		<49.9 49.9	103 49.8	64.0 49.8	3030 49.8	2810 50.2	533 50.1
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.8 49.8	<49.8 49.8	284 49.8	279 50.2	65.0 50.1
Total TPH		<49.9 49.9	103 49.8	64.0 49.8	3310 49.8	3090 50.2	598 50.1

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Certificate of Analysis Summary 673381

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Ferguson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-013	673381-014	673381-015	673381-016	673381-017	673381-018
	<i>Field Id:</i>	DS-4 (0-0.5')	DS-4 (0.5-1.0')	DS-4 (1-2.0')	BS-2 (0-0.5')	BS-2 (1-2.0')	DS-5 (0-1.0')
	<i>Depth:</i>	0-0.5 ft	0.5-1 ft	1-2 ft	0-0.5 ft	1-2 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	09.22.2020 11:50	09.22.2020 11:55	09.22.2020 12:00	09.22.2020 13:30	09.22.2020 13:40	09.22.2020 14:30
BTEX by EPA 8021B	<i>Extracted:</i>	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00	09.23.2020 18:00
	<i>Analyzed:</i>	09.24.2020 05:13	09.24.2020 05:35	09.24.2020 05:58	09.24.2020 06:20	09.24.2020 06:42	09.24.2020 07:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
Toluene		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
Ethylbenzene		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
m,p-Xylenes		<0.00396 0.00396	<0.00397 0.00397	<0.00398 0.00398	<0.00403 0.00403	<0.00402 0.00402	<0.00402 0.00402
o-Xylene		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
Total Xylenes		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
Total BTEX		<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 16:57
	<i>Analyzed:</i>	09.23.2020 20:16	09.23.2020 20:32	09.23.2020 20:38	09.23.2020 20:43	09.23.2020 20:49	09.23.2020 20:54
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		22800 499	5910 499	940 49.6	10.6 9.96	<9.98 9.98	9060 198
TPH By SW8015 Mod	<i>Extracted:</i>	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30
	<i>Analyzed:</i>	09.23.2020 19:05	09.23.2020 19:25	09.23.2020 19:45	09.23.2020 20:05	09.23.2020 20:25	09.23.2020 20:45
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<50.1 50.1	<50.3 50.3
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<50.1 50.1	<50.3 50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<50.1 50.1	<50.3 50.3
Total TPH		<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<50.1 50.1	<50.3 50.3

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 673381

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-019	673381-020	673381-021	673381-022	673381-023	673381-024
	<i>Field Id:</i>	DS-5 (1-2.0')	DS-5 (3-4.0')	DS-6 (0-1.0')	DS-6 (0-2.0')	DS-6 (3-4.0')	BS-3 (0-1.0')
	<i>Depth:</i>	1-2 ft	3-4 ft	0-1 ft	0-2 ft	3-4 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	09.22.2020 14:35	09.22.2020 14:45	09.22.2020 16:00	09.22.2020 16:05	09.22.2020 16:20	09.23.2020 09:10
BTEX by EPA 8021B	<i>Extracted:</i>	09.23.2020 18:00	09.23.2020 18:00	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54
	<i>Analyzed:</i>	09.24.2020 07:27	09.24.2020 07:50	09.24.2020 14:08	09.24.2020 14:30	09.24.2020 14:53	09.24.2020 15:15
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Toluene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Ethylbenzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
m,p-Xylenes		<0.00402 0.00402	<0.00400 0.00400	<0.00401 0.00401	<0.00401 0.00401	<0.00396 0.00396	<0.00397 0.00397
o-Xylene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Total Xylenes		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Total BTEX		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 16:57	09.23.2020 16:57	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02
	<i>Analyzed:</i>	09.23.2020 21:00	09.23.2020 21:05	09.23.2020 21:38	09.23.2020 21:54	09.23.2020 22:00	09.23.2020 22:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		11600 200	4440 200	4720 198	6800 199	3860 199	10.7 10.0
TPH By SW8015 Mod	<i>Extracted:</i>	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.23.2020 16:30	09.24.2020 11:30	09.24.2020 11:00
	<i>Analyzed:</i>	09.23.2020 21:06	09.23.2020 21:26	09.23.2020 21:46	09.23.2020 22:06	* * * * *	09.24.2020 12:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.3 50.3
Diesel Range Organics (DRO)		<50.1 50.1	<49.9 49.9	1690 50.0	<49.9 49.9	<49.8 49.8	<50.3 50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<49.9 49.9	132 50.0	<49.9 49.9	<49.8 49.8	<50.3 50.3
Total TPH		<50.1 50.1	<49.9 49.9	1820 50.0	<49.9 49.9	<49.8 49.8	<50.3 50.3

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 673381



SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Ferguson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-025	673381-026	673381-027	673381-028	673381-029	673381-030
	<i>Field Id:</i>	BS-3 (1-2.0')	BS-3 (2-3.0')	BS-3 (3-4.0')	DS-7 (0-1.0')	DS-7 (0-2.0')	DS-7 (3-4.0')
	<i>Depth:</i>	1-2 ft	2-3 ft	3-4 ft	0-1 ft	0-2 ft	3-4 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	09.23.2020 09:15	09.23.2020 09:20	09.23.2020 09:30	09.23.2020 10:05	09.23.2020 10:10	09.23.2020 10:25
BTEX by EPA 8021B	<i>Extracted:</i>	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54
	<i>Analyzed:</i>	09.24.2020 15:38	09.24.2020 16:00	09.24.2020 16:23	09.24.2020 16:45	09.24.2020 17:07	09.24.2020 17:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398	<0.00403 0.00403	<0.00402 0.00402	<0.00400 0.00400	<0.00401 0.00401
o-Xylene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Total BTEX		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02
	<i>Analyzed:</i>	09.23.2020 22:11	09.23.2020 22:27	09.23.2020 22:33	09.23.2020 22:38	09.23.2020 22:44	09.23.2020 22:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		94.7 10.0	207 49.6	79.3 49.9	8000 198	10600 198	9720 200
TPH By SW8015 Mod	<i>Extracted:</i>	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00
	<i>Analyzed:</i>	09.24.2020 13:09	09.24.2020 13:29	09.24.2020 13:50	09.24.2020 14:10	09.24.2020 14:30	09.24.2020 14:50
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<50.2 50.2	<50.1 50.1	<50.3 50.3	<50.2 50.2	<50.0 50.0
Diesel Range Organics (DRO)		<50.1 50.1	<50.2 50.2	<50.1 50.1	112 50.3	<50.2 50.2	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<50.2 50.2	<50.1 50.1	<50.3 50.3	<50.2 50.2	<50.0 50.0
Total TPH		<50.1 50.1	<50.2 50.2	<50.1 50.1	112 50.3	<50.2 50.2	<50.0 50.0

BRL - Below Reporting Limit

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Certificate of Analysis Summary 673381

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Ferguson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 09.23.2020 14:37
Report Date: 09.30.2020 13:49
Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	673381-031	673381-032	673381-033	673381-034	673381-035	
	<i>Field Id:</i>	DS-8 (0-0.5')	DS-9 (0-1.0')	DS-9 (1-2.0')	DS-9 (3-4.0')	DS-10 (0-0.5')	
	<i>Depth:</i>	0-0.5 ft	0-1 ft	1-2 ft	3-4 ft	0-0.5 ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	09.23.2020 10:40	09.23.2020 11:20	09.23.2020 11:25	09.23.2020 11:40	09.23.2020 12:00	
BTEX by EPA 8021B	<i>Extracted:</i>	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	09.24.2020 10:54	
	<i>Analyzed:</i>	09.24.2020 19:33	09.24.2020 19:55	09.24.2020 20:17	09.24.2020 20:40	09.24.2020 21:02	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
m,p-Xylenes		<0.00403 0.00403	<0.00400 0.00400	<0.00398 0.00398	<0.00399 0.00399	<0.00398 0.00398	
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	
Chloride by EPA 300	<i>Extracted:</i>	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	09.23.2020 18:02	
	<i>Analyzed:</i>	09.23.2020 22:55	09.23.2020 23:11	09.23.2020 23:16	09.23.2020 23:33	09.23.2020 23:38	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		2320 49.9	8670 200	13900 202	9700 200	7430 50.2	
TPH By SW8015 Mod	<i>Extracted:</i>	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	09.24.2020 11:00	
	<i>Analyzed:</i>	09.24.2020 15:10	09.24.2020 15:31	09.24.2020 16:12	09.24.2020 16:32	09.24.2020 16:52	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.2 50.2	<50.2 50.2	<50.0 50.0	<50.3 50.3	
Diesel Range Organics (DRO)		93.8 50.2	1920 50.2	<50.2 50.2	<50.0 50.0	596 50.3	
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	158 50.2	<50.2 50.2	<50.0 50.0	73.7 50.3	
Total TPH		93.8 50.2	2080 50.2	<50.2 50.2	<50.0 50.0	670 50.3	

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 673381

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

09.30.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



09.30.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **673381**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 673381. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 673381 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 673381

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
DS-1 (0-1.0')	S	09.21.2020 12:20	0 - 1 ft	673381-001
DS-1 (1-2.0')	S	09.21.2020 12:25	1 - 2 ft	673381-002
DS-1 (2-3.0')	S	09.21.2020 12:30	2 - 3 ft	673381-003
DS-1 (3-4.0')	S	09.21.2020 12:40	3 - 4 ft	673381-004
BS-1 (0-1.0')	S	09.21.2020 14:40	0 - 1 ft	673381-005
BS-1 (1-2.0')	S	09.21.2020 14:45	1 - 2 ft	673381-006
BS-1 (3-4.0')	S	09.21.2020 15:00	3 - 4 ft	673381-007
DS-2 (0-0.5')	S	09.22.2020 09:50	0 - 0.5 ft	673381-008
DS-2 (1-2.0')	S	09.22.2020 10:00	1 - 2 ft	673381-009
DS-3 (0-0.5')	S	09.22.2020 10:55	0 - 0.5 ft	673381-010
DS-3 (0.5-1.0')	S	09.22.2020 11:00	0.5 - 1 ft	673381-011
DS-3 (1-2.0')	S	09.22.2020 11:05	1 - 2 ft	673381-012
DS-4 (0-0.5')	S	09.22.2020 11:50	0 - 0.5 ft	673381-013
DS-4 (0.5-1.0')	S	09.22.2020 11:55	0.5 - 1 ft	673381-014
DS-4 (1-2.0')	S	09.22.2020 12:00	1 - 2 ft	673381-015
BS-2 (0-0.5')	S	09.22.2020 13:30	0 - 0.5 ft	673381-016
BS-2 (1-2.0')	S	09.22.2020 13:40	1 - 2 ft	673381-017
DS-5 (0-1.0')	S	09.22.2020 14:30	0 - 1 ft	673381-018
DS-5 (1-2.0')	S	09.22.2020 14:35	1 - 2 ft	673381-019
DS-5 (3-4.0')	S	09.22.2020 14:45	3 - 4 ft	673381-020
DS-6 (0-1.0')	S	09.22.2020 16:00	0 - 1 ft	673381-021
DS-6 (0-2.0')	S	09.22.2020 16:05	0 - 2 ft	673381-022
DS-6 (3-4.0')	S	09.22.2020 16:20	3 - 4 ft	673381-023
BS-3 (0-1.0')	S	09.23.2020 09:10	0 - 1 ft	673381-024
BS-3 (1-2.0')	S	09.23.2020 09:15	1 - 2 ft	673381-025
BS-3 (2-3.0')	S	09.23.2020 09:20	2 - 3 ft	673381-026
BS-3 (3-4.0')	S	09.23.2020 09:30	3 - 4 ft	673381-027
DS-7 (0-1.0')	S	09.23.2020 10:05	0 - 1 ft	673381-028
DS-7 (0-2.0')	S	09.23.2020 10:10	0 - 2 ft	673381-029
DS-7 (3-4.0')	S	09.23.2020 10:25	3 - 4 ft	673381-030
DS-8 (0-0.5')	S	09.23.2020 10:40	0 - 0.5 ft	673381-031
DS-9 (0-1.0')	S	09.23.2020 11:20	0 - 1 ft	673381-032
DS-9 (1-2.0')	S	09.23.2020 11:25	1 - 2 ft	673381-033
DS-9 (3-4.0')	S	09.23.2020 11:40	3 - 4 ft	673381-034
DS-10 (0-0.5')	S	09.23.2020 12:00	0 - 0.5 ft	673381-035



CASE NARRATIVE

Client Name: SDR Enterprise

Project Name: Solaris- Lobo to Eddy State ARV Release

Project ID:
Work Order Number(s): 673381

Report Date: 09.30.2020
Date Received: 09.23.2020

Sample receipt non conformances and comments:

Revised report issued to correct the primary contact that was transcribed incorrectly from COC. JB 9/30/20

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 673381

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-1 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-001 Date Collected: 09.21.2020 12:20 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	09.23.2020 18:37	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 17:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 17:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 17:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 17:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	09.23.2020 17:25	
o-Terphenyl	84-15-1	108	%	70-135	09.23.2020 17:25	



Certificate of Analytical Results 673381

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-1 (0-1.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-001	Date Collected: 09.21.2020 12:20	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.23.2020 18:00	Basis: Wet Weight
Seq Number: 3137987		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.23.2020 23:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.23.2020 23:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	09.23.2020 23:49	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.23.2020 23:49	



Certificate of Analytical Results 673381

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-1 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-002 Date Collected: 09.21.2020 12:25 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.8	9.92	mg/kg	09.24.2020 11:23	D	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.23.2020 17:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	09.23.2020 17:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.23.2020 17:44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	09.23.2020 17:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	09.23.2020 17:44	
o-Terphenyl	84-15-1	105	%	70-135	09.23.2020 17:44	



Certificate of Analytical Results 673381

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-1 (1-2.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-002	Date Collected: 09.21.2020 12:25	Sample Depth: 1 - 2 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.23.2020 18:00	Basis: Wet Weight
Seq Number: 3137987		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 00:11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 00:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	09.24.2020 00:11	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 00:11	



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Sample Id: **DS-1 (2-3.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-003 Date Collected: 09.21.2020 12:30 Sample Depth: 2 - 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	41.4	9.98	mg/kg	09.24.2020 11:29	D	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.23.2020 18:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.23.2020 18:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.23.2020 18:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.23.2020 18:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	09.23.2020 18:04	
o-Terphenyl	84-15-1	102	%	70-135	09.23.2020 18:04	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-1 (2-3.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-003 Date Collected: 09.21.2020 12:30 Sample Depth: 2 - 3 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.24.2020 00:33	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 00:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 00:33	
4-Bromofluorobenzene	460-00-4	95	%	70-130	09.24.2020 00:33	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-1 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-004 Date Collected: 09.21.2020 12:40 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	295	50.1	mg/kg	09.23.2020 19:05		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.23.2020 18:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.23.2020 18:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.23.2020 18:24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.23.2020 18:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	09.23.2020 18:24	
o-Terphenyl	84-15-1	101	%	70-135	09.23.2020 18:24	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-1 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-004 Date Collected: 09.21.2020 12:40 Sample Depth: 3 - 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.24.2020 00:56	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.24.2020 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 00:56	
4-Bromofluorobenzene	460-00-4	92	%	70-130	09.24.2020 00:56	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-1 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-005 Date Collected: 09.21.2020 14:40 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.2	10.1	mg/kg	09.23.2020 19:10		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 18:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 18:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 18:44	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	09.23.2020 18:44	
o-Terphenyl	84-15-1	100	%	70-135	09.23.2020 18:44	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: BS-1 (0-1.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-005	Date Collected: 09.21.2020 14:40	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.23.2020 18:00	Basis: Wet Weight
Seq Number: 3137987		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	09.24.2020 01:18	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.24.2020 01:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	09.24.2020 01:18	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 01:18	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-1 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-006 Date Collected: 09.21.2020 14:45 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.5	10.0	mg/kg	09.24.2020 11:34	D	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.23.2020 19:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.23.2020 19:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.23.2020 19:05	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.23.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	09.23.2020 19:05	
o-Terphenyl	84-15-1	98	%	70-135	09.23.2020 19:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-1 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-006 Date Collected: 09.21.2020 14:45 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 01:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 01:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	09.24.2020 01:41	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 01:41	



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Sample Id: **BS-1 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-007 Date Collected: 09.21.2020 15:00 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.5	10.0	mg/kg	09.24.2020 11:40	D	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 19:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 19:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 19:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 19:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	09.23.2020 19:25	
o-Terphenyl	84-15-1	98	%	70-135	09.23.2020 19:25	



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Sample Id: **BS-1 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-007 Date Collected: 09.21.2020 15:00 Sample Depth: 3 - 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.24.2020 02:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 02:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 02:03	
4-Bromofluorobenzene	460-00-4	94	%	70-130	09.24.2020 02:03	



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Sample Id: **DS-2 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-008 Date Collected: 09.22.2020 09:50 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1070	49.6	mg/kg	09.23.2020 19:37		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:00 Basis: Wet Weight
 Seq Number: 3137906

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.23.2020 19:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	103	49.8	mg/kg	09.23.2020 19:45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.23.2020 19:45	U	1
Total TPH	PHC635	103	49.8	mg/kg	09.23.2020 19:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	09.23.2020 19:45	
o-Terphenyl	84-15-1	100	%	70-135	09.23.2020 19:45	



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Sample Id: **DS-2 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-008 Date Collected: 09.22.2020 09:50 Sample Depth: 0 - 0.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.24.2020 02:26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 02:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	09.24.2020 02:26	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 02:26	



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Sample Id: **DS-2 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-009 Date Collected: 09.22.2020 10:00 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	624	49.9	mg/kg	09.23.2020 19:43		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.23.2020 17:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	64.0	49.8	mg/kg	09.23.2020 17:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.23.2020 17:25	U	1
Total TPH	PHC635	64.0	49.8	mg/kg	09.23.2020 17:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	135	%	70-135	09.23.2020 17:25	
o-Terphenyl	84-15-1	126	%	70-135	09.23.2020 17:25	



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Sample Id: DS-2 (1-2.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-009	Date Collected: 09.22.2020 10:00	Sample Depth: 1 - 2 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.23.2020 18:00	Basis: Wet Weight
Seq Number: 3137987		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.24.2020 02:48	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 02:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.24.2020 02:48	
4-Bromofluorobenzene	460-00-4	93	%	70-130	09.24.2020 02:48	



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Sample Id: **DS-3 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-010 Date Collected: 09.22.2020 10:55 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2190	199	mg/kg	09.23.2020 19:48		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.23.2020 17:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	3030	49.8	mg/kg	09.23.2020 17:44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	284	49.8	mg/kg	09.23.2020 17:44		1
Total TPH	PHC635	3310	49.8	mg/kg	09.23.2020 17:44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	134	%	70-135	09.23.2020 17:44	
o-Terphenyl	84-15-1	117	%	70-135	09.23.2020 17:44	



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Sample Id: **DS-3 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-010 Date Collected: 09.22.2020 10:55 Sample Depth: 0 - 0.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.24.2020 03:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	09.24.2020 03:10	
1,4-Difluorobenzene	540-36-3	97	%	70-130	09.24.2020 03:10	



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Sample Id: **DS-3 (0.5-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-011 Date Collected: 09.22.2020 11:00 Sample Depth: 0.5 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	758	50.1	mg/kg	09.23.2020 19:54		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.23.2020 18:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	2810	50.2	mg/kg	09.23.2020 18:04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	279	50.2	mg/kg	09.23.2020 18:04		1
Total TPH	PHC635	3090	50.2	mg/kg	09.23.2020 18:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	09.23.2020 18:04	
o-Terphenyl	84-15-1	124	%	70-135	09.23.2020 18:04	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-3 (0.5-1.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-011	Date Collected: 09.22.2020 11:00	Sample Depth: 0.5 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.23.2020 18:00	Basis: Wet Weight
Seq Number: 3137987		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.24.2020 04:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 04:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	09.24.2020 04:28	
1,4-Difluorobenzene	540-36-3	94	%	70-130	09.24.2020 04:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-3 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-012 Date Collected: 09.22.2020 11:05 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	280	50.4	mg/kg	09.23.2020 20:10		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.23.2020 18:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	533	50.1	mg/kg	09.23.2020 18:24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	65.0	50.1	mg/kg	09.23.2020 18:24		1
Total TPH	PHC635	598	50.1	mg/kg	09.23.2020 18:24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	09.23.2020 18:24	
o-Terphenyl	84-15-1	119	%	70-135	09.23.2020 18:24	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-3 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-012 Date Collected: 09.22.2020 11:05 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 04:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 04:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	09.24.2020 04:50	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 04:50	



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Sample Id: **DS-4 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-013 Date Collected: 09.22.2020 11:50 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22800	499	mg/kg	09.23.2020 20:16		50

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.23.2020 19:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.23.2020 19:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.23.2020 19:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.23.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	09.23.2020 19:05	
o-Terphenyl	84-15-1	109	%	70-135	09.23.2020 19:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-4 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-013 Date Collected: 09.22.2020 11:50 Sample Depth: 0 - 0.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.24.2020 05:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 05:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.24.2020 05:13	
4-Bromofluorobenzene	460-00-4	94	%	70-130	09.24.2020 05:13	



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Sample Id: **DS-4 (0.5-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-014 Date Collected: 09.22.2020 11:55 Sample Depth: 0.5 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5910	499	mg/kg	09.23.2020 20:32		50

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.23.2020 19:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.23.2020 19:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.23.2020 19:25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.23.2020 19:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	09.23.2020 19:25	
o-Terphenyl	84-15-1	112	%	70-135	09.23.2020 19:25	



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Sample Id: **DS-4 (0.5-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-014 Date Collected: 09.22.2020 11:55 Sample Depth: 0.5 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.24.2020 05:35	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 05:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	09.24.2020 05:35	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.24.2020 05:35	



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Sample Id: **DS-4 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-015 Date Collected: 09.22.2020 12:00 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	940	49.6	mg/kg	09.23.2020 20:38		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.23.2020 19:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.23.2020 19:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.23.2020 19:45	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.23.2020 19:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	09.23.2020 19:45	
o-Terphenyl	84-15-1	111	%	70-135	09.23.2020 19:45	



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Sample Id: **DS-4 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-015 Date Collected: 09.22.2020 12:00 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 05:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 05:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	09.24.2020 05:58	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 05:58	



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Sample Id: **BS-2 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-016 Date Collected: 09.22.2020 13:30 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.6	9.96	mg/kg	09.23.2020 20:43		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 20:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 20:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 20:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 20:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	09.23.2020 20:05	
o-Terphenyl	84-15-1	111	%	70-135	09.23.2020 20:05	



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Sample Id: **BS-2 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-016 Date Collected: 09.22.2020 13:30 Sample Depth: 0 - 0.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.24.2020 06:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.24.2020 06:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	09.24.2020 06:20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 06:20	



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Sample Id: **BS-2 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-017 Date Collected: 09.22.2020 13:40 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	09.24.2020 11:45	UD	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.23.2020 20:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.23.2020 20:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.23.2020 20:25	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.23.2020 20:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	09.23.2020 20:25	
o-Terphenyl	84-15-1	112	%	70-135	09.23.2020 20:25	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-2 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-017 Date Collected: 09.22.2020 13:40 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.24.2020 06:42	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.24.2020 06:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	09.24.2020 06:42	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 06:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-018 Date Collected: 09.22.2020 14:30 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9060	198	mg/kg	09.23.2020 20:54		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	09.23.2020 20:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	09.23.2020 20:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	09.23.2020 20:45	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	09.23.2020 20:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	09.23.2020 20:45	
o-Terphenyl	84-15-1	116	%	70-135	09.23.2020 20:45	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-018 Date Collected: 09.22.2020 14:30 Sample Depth: 0 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.24.2020 07:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.24.2020 07:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	09.24.2020 07:05	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 07:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-019 Date Collected: 09.22.2020 14:35 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11600	200	mg/kg	09.23.2020 21:00		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.23.2020 21:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.23.2020 21:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.23.2020 21:06	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.23.2020 21:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	130	%	70-135	09.23.2020 21:06	
o-Terphenyl	84-15-1	115	%	70-135	09.23.2020 21:06	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-019 Date Collected: 09.22.2020 14:35 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.24.2020 07:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.24.2020 07:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	84	%	70-130	09.24.2020 07:27	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.24.2020 07:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-020 Date Collected: 09.22.2020 14:45 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 16:57 Basis: Wet Weight
 Seq Number: 3137990

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4440	200	mg/kg	09.23.2020 21:05		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 21:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 21:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 21:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 21:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	09.23.2020 21:26	
o-Terphenyl	84-15-1	116	%	70-135	09.23.2020 21:26	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-5 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-020 Date Collected: 09.22.2020 14:45 Sample Depth: 3 - 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:00 Basis: Wet Weight
 Seq Number: 3137987

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.24.2020 07:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 07:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	09.24.2020 07:50	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 07:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-6 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-021 Date Collected: 09.22.2020 16:00 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4720	198	mg/kg	09.23.2020 21:38		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.23.2020 21:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	1690	50.0	mg/kg	09.23.2020 21:46		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	132	50.0	mg/kg	09.23.2020 21:46		1
Total TPH	PHC635	1820	50.0	mg/kg	09.23.2020 21:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	09.23.2020 21:46	
o-Terphenyl	84-15-1	121	%	70-135	09.23.2020 21:46	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-6 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-021 Date Collected: 09.22.2020 16:00 Sample Depth: 0 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.24.2020 14:08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 14:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	09.24.2020 14:08	
1,4-Difluorobenzene	540-36-3	96	%	70-130	09.24.2020 14:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-6 (0-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-022 Date Collected: 09.22.2020 16:05 Sample Depth: 0 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6800	199	mg/kg	09.23.2020 21:54		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.23.2020 16:30 Basis: Wet Weight
 Seq Number: 3137927

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.23.2020 22:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.23.2020 22:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.23.2020 22:06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.23.2020 22:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	133	%	70-135	09.23.2020 22:06	
o-Terphenyl	84-15-1	117	%	70-135	09.23.2020 22:06	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-6 (0-2.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-022	Date Collected: 09.22.2020 16:05	Sample Depth: 0 - 2 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.24.2020 14:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 14:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.24.2020 14:30	
4-Bromofluorobenzene	460-00-4	99	%	70-130	09.24.2020 14:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-6 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-023 Date Collected: 09.22.2020 16:20 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3860	199	mg/kg	09.23.2020 22:00		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:30 Basis: Wet Weight
 Seq Number: 3138100

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.24.2020 11:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.24.2020 11:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.24.2020 11:27	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.24.2020 11:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	09.24.2020 11:27	
o-Terphenyl	84-15-1	121	%	70-135	09.24.2020 11:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-6 (3-4.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-023	Date Collected: 09.22.2020 16:20	Sample Depth: 3 - 4 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.24.2020 14:53	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 14:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	09.24.2020 14:53	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 14:53	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-024 Date Collected: 09.23.2020 09:10 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.7	10.0	mg/kg	09.24.2020 11:50		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	09.24.2020 12:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	09.24.2020 12:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	09.24.2020 12:49	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	09.24.2020 12:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	09.24.2020 12:49	
o-Terphenyl	84-15-1	100	%	70-135	09.24.2020 12:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-024 Date Collected: 09.23.2020 09:10 Sample Depth: 0 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.24.2020 15:15	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.24.2020 15:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	09.24.2020 15:15	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.24.2020 15:15	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-025 Date Collected: 09.23.2020 09:15 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	94.7	10.0	mg/kg	09.24.2020 11:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.24.2020 13:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.24.2020 13:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.24.2020 13:09	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.24.2020 13:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	09.24.2020 13:09	
o-Terphenyl	84-15-1	108	%	70-135	09.24.2020 13:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-025 Date Collected: 09.23.2020 09:15 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 15:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	09.24.2020 15:38	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 15:38	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (2-3.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-026 Date Collected: 09.23.2020 09:20 Sample Depth: 2 - 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	207	49.6	mg/kg	09.23.2020 22:27		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.24.2020 13:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	09.24.2020 13:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.24.2020 13:29	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	09.24.2020 13:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	09.24.2020 13:29	
o-Terphenyl	84-15-1	102	%	70-135	09.24.2020 13:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: BS-3 (2-3.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-026	Date Collected: 09.23.2020 09:20	Sample Depth: 2 - 3 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 16:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 16:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 16:00	
4-Bromofluorobenzene	460-00-4	90	%	70-130	09.24.2020 16:00	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-027 Date Collected: 09.23.2020 09:30 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	79.3	49.9	mg/kg	09.23.2020 22:33		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	09.24.2020 13:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	09.24.2020 13:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	09.24.2020 13:50	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	09.24.2020 13:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	09.24.2020 13:50	
o-Terphenyl	84-15-1	103	%	70-135	09.24.2020 13:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **BS-3 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-027 Date Collected: 09.23.2020 09:30 Sample Depth: 3 - 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.24.2020 16:23	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.24.2020 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 16:23	
4-Bromofluorobenzene	460-00-4	88	%	70-130	09.24.2020 16:23	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-7 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-028 Date Collected: 09.23.2020 10:05 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8000	198	mg/kg	09.23.2020 22:38		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	09.24.2020 14:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	112	50.3	mg/kg	09.24.2020 14:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	09.24.2020 14:10	U	1
Total TPH	PHC635	112	50.3	mg/kg	09.24.2020 14:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	09.24.2020 14:10	
o-Terphenyl	84-15-1	107	%	70-135	09.24.2020 14:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-7 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-028 Date Collected: 09.23.2020 10:05 Sample Depth: 0 - 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.24.2020 16:45	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.24.2020 16:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	09.24.2020 16:45	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.24.2020 16:45	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-7 (0-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-029 Date Collected: 09.23.2020 10:10 Sample Depth: 0 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10600	198	mg/kg	09.23.2020 22:44		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.24.2020 14:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	09.24.2020 14:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.24.2020 14:30	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	09.24.2020 14:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	09.24.2020 14:30	
o-Terphenyl	84-15-1	103	%	70-135	09.24.2020 14:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-7 (0-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-029 Date Collected: 09.23.2020 10:10 Sample Depth: 0 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.24.2020 17:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 17:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.24.2020 17:07	
4-Bromofluorobenzene	460-00-4	91	%	70-130	09.24.2020 17:07	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-7 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-030 Date Collected: 09.23.2020 10:25 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9720	200	mg/kg	09.23.2020 22:49		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.24.2020 14:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.24.2020 14:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.24.2020 14:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.24.2020 14:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	09.24.2020 14:50	
o-Terphenyl	84-15-1	107	%	70-135	09.24.2020 14:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-7 (3-4.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-030	Date Collected: 09.23.2020 10:25	Sample Depth: 3 - 4 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.24.2020 17:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 17:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	09.24.2020 17:30	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.24.2020 17:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-8 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-031 Date Collected: 09.23.2020 10:40 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2320	49.9	mg/kg	09.23.2020 22:55		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.24.2020 15:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	93.8	50.2	mg/kg	09.24.2020 15:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.24.2020 15:10	U	1
Total TPH	PHC635	93.8	50.2	mg/kg	09.24.2020 15:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	09.24.2020 15:10	
o-Terphenyl	84-15-1	108	%	70-135	09.24.2020 15:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-8 (0-0.5')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-031	Date Collected: 09.23.2020 10:40	Sample Depth: 0 - 0.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.24.2020 19:33	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.24.2020 19:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	09.24.2020 19:33	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.24.2020 19:33	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-9 (0-1.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-032 Date Collected: 09.23.2020 11:20 Sample Depth: 0 - 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8670	200	mg/kg	09.23.2020 23:11		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.24.2020 15:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	1920	50.2	mg/kg	09.24.2020 15:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	158	50.2	mg/kg	09.24.2020 15:31		1
Total TPH	PHC635	2080	50.2	mg/kg	09.24.2020 15:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	09.24.2020 15:31	
o-Terphenyl	84-15-1	112	%	70-135	09.24.2020 15:31	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-9 (0-1.0')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-032	Date Collected: 09.23.2020 11:20	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.24.2020 19:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 19:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	09.24.2020 19:55	
4-Bromofluorobenzene	460-00-4	81	%	70-130	09.24.2020 19:55	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-9 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-033 Date Collected: 09.23.2020 11:25 Sample Depth: 1 - 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13900	202	mg/kg	09.23.2020 23:16		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	09.24.2020 16:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	09.24.2020 16:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	09.24.2020 16:12	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	09.24.2020 16:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	09.24.2020 16:12	
o-Terphenyl	84-15-1	107	%	70-135	09.24.2020 16:12	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-9 (1-2.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-033 Date Collected: 09.23.2020 11:25 Sample Depth: 1 - 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 20:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 20:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 20:17	
4-Bromofluorobenzene	460-00-4	101	%	70-130	09.24.2020 20:17	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-9 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-034 Date Collected: 09.23.2020 11:40 Sample Depth: 3 - 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9700	200	mg/kg	09.23.2020 23:33		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.24.2020 16:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.24.2020 16:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.24.2020 16:32	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.24.2020 16:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	09.24.2020 16:32	
o-Terphenyl	84-15-1	105	%	70-135	09.24.2020 16:32	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-9 (3-4.0')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-034 Date Collected: 09.23.2020 11:40 Sample Depth: 3 - 4 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.24.2020 10:54 Basis: Wet Weight
 Seq Number: 3138112

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.24.2020 20:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.24.2020 20:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.24.2020 20:40	
4-Bromofluorobenzene	460-00-4	93	%	70-130	09.24.2020 20:40	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **DS-10 (0-0.5')** Matrix: Soil Date Received: 09.23.2020 14:37
 Lab Sample Id: 673381-035 Date Collected: 09.23.2020 12:00 Sample Depth: 0 - 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 09.23.2020 18:02 Basis: Wet Weight
 Seq Number: 3137991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7430	50.2	mg/kg	09.23.2020 23:38		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DTH % Moisture:
 Analyst: DTH Date Prep: 09.24.2020 11:00 Basis: Wet Weight
 Seq Number: 3138023

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	09.24.2020 16:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	596	50.3	mg/kg	09.24.2020 16:52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	73.7	50.3	mg/kg	09.24.2020 16:52		1
Total TPH	PHC635	670	50.3	mg/kg	09.24.2020 16:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	09.24.2020 16:52	
o-Terphenyl	84-15-1	111	%	70-135	09.24.2020 16:52	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: DS-10 (0-0.5')	Matrix: Soil	Date Received: 09.23.2020 14:37
Lab Sample Id: 673381-035	Date Collected: 09.23.2020 12:00	Sample Depth: 0 - 0.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 09.24.2020 10:54	Basis: Wet Weight
Seq Number: 3138112		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.24.2020 21:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.24.2020 21:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	09.24.2020 21:02	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.24.2020 21:02	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3137990

MB Sample Id: 7711983-1-BLK

Matrix: Solid

LCS Sample Id: 7711983-1-BKS

Prep Method: E300P

Date Prep: 09.23.2020

LCSD Sample Id: 7711983-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	255	102	254	102	90-110	0	20	mg/kg	09.23.2020 18:26	

Analytical Method: Chloride by EPA 300

Seq Number: 3137991

MB Sample Id: 7711985-1-BLK

Matrix: Solid

LCS Sample Id: 7711985-1-BKS

Prep Method: E300P

Date Prep: 09.23.2020

LCSD Sample Id: 7711985-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	256	102	255	102	90-110	0	20	mg/kg	09.23.2020 21:27	

Analytical Method: Chloride by EPA 300

Seq Number: 3137990

Parent Sample Id: 673381-001

Matrix: Soil

MS Sample Id: 673381-001 S

Prep Method: E300P

Date Prep: 09.23.2020

MSD Sample Id: 673381-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	251	235	94	235	94	90-110	0	20	mg/kg	09.23.2020 18:43	

Analytical Method: Chloride by EPA 300

Seq Number: 3137990

Parent Sample Id: 673381-011

Matrix: Soil

MS Sample Id: 673381-011 S

Prep Method: E300P

Date Prep: 09.23.2020

MSD Sample Id: 673381-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	758	200	956	99	955	99	90-110	0	20	mg/kg	09.23.2020 19:59	

Analytical Method: Chloride by EPA 300

Seq Number: 3137991

Parent Sample Id: 673381-021

Matrix: Soil

MS Sample Id: 673381-021 S

Prep Method: E300P

Date Prep: 09.23.2020

MSD Sample Id: 673381-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4720	202	4940	109	4920	99	90-110	0	20	mg/kg	09.23.2020 21:43	

Analytical Method: Chloride by EPA 300

Seq Number: 3137991

Parent Sample Id: 673381-031

Matrix: Soil

MS Sample Id: 673381-031 S

Prep Method: E300P

Date Prep: 09.23.2020

MSD Sample Id: 673381-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2320	100	2410	90	2420	100	90-110	0	20	mg/kg	09.23.2020 23:00	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137927

MB Sample Id: 7711925-1-BLK

Matrix: Solid

LCS Sample Id: 7711925-1-BKS

Prep Method: SW8015P

Date Prep: 09.23.2020

LCSD Sample Id: 7711925-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1030	103	986	99	70-135	4	35	mg/kg	09.23.2020 10:12	
Diesel Range Organics (DRO)	<50.0	1000	1120	112	1070	107	70-135	5	35	mg/kg	09.23.2020 10:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		129		127		70-135	%	09.23.2020 10:12
o-Terphenyl	130		124		123		70-135	%	09.23.2020 10:12

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137906

MB Sample Id: 7711922-1-BLK

Matrix: Solid

LCS Sample Id: 7711922-1-BKS

Prep Method: SW8015P

Date Prep: 09.23.2020

LCSD Sample Id: 7711922-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	924	92	861	86	70-135	7	35	mg/kg	09.23.2020 10:12	
Diesel Range Organics (DRO)	<50.0	1000	970	97	908	91	70-135	7	35	mg/kg	09.23.2020 10:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		103		99		70-135	%	09.23.2020 10:12
o-Terphenyl	90		93		89		70-135	%	09.23.2020 10:12

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138023

MB Sample Id: 7712008-1-BLK

Matrix: Solid

LCS Sample Id: 7712008-1-BKS

Prep Method: SW8015P

Date Prep: 09.24.2020

LCSD Sample Id: 7712008-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	923	92	892	89	70-135	3	35	mg/kg	09.24.2020 10:47	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	996	100	70-135	3	35	mg/kg	09.24.2020 10:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		121		123		70-135	%	09.24.2020 10:47
o-Terphenyl	116		116		115		70-135	%	09.24.2020 10:47

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138100

MB Sample Id: 7712024-1-BLK

Matrix: Solid

LCS Sample Id: 7712024-1-BKS

Prep Method: SW8015P

Date Prep: 09.24.2020

LCSD Sample Id: 7712024-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1020	102	975	98	70-135	5	35	mg/kg	09.24.2020 10:47	
Diesel Range Organics (DRO)	<50.0	1000	1050	105	1010	101	70-135	4	35	mg/kg	09.24.2020 10:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		112		111		70-135	%	09.24.2020 10:47
o-Terphenyl	101		98		99		70-135	%	09.24.2020 10:47

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137927

Matrix: Solid

MB Sample Id: 7711925-1-BLK

Prep Method: SW8015P

Date Prep: 09.23.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.23.2020 09:52	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137906

Matrix: Solid

MB Sample Id: 7711922-1-BLK

Prep Method: SW8015P

Date Prep: 09.23.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.23.2020 09:52	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138023

Matrix: Solid

MB Sample Id: 7712008-1-BLK

Prep Method: SW8015P

Date Prep: 09.24.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.24.2020 10:27	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138100

Matrix: Solid

MB Sample Id: 7712024-1-BLK

Prep Method: SW8015P

Date Prep: 09.24.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.24.2020 10:27	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137927
Parent Sample Id: 673298-002

Matrix: Soil
MS Sample Id: 673298-002 S

Prep Method: SW8015P
Date Prep: 09.23.2020
MSD Sample Id: 673298-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	898	90	881	88	70-135	2	35	mg/kg	09.23.2020 11:13	
Diesel Range Organics (DRO)	<50.0	1000	974	97	954	96	70-135	2	35	mg/kg	09.23.2020 11:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	135		132		70-135	%	09.23.2020 11:13
o-Terphenyl	130		128		70-135	%	09.23.2020 11:13

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137906
Parent Sample Id: 673298-001

Matrix: Soil
MS Sample Id: 673298-001 S

Prep Method: SW8015P
Date Prep: 09.23.2020
MSD Sample Id: 673298-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	995	875	88	827	83	70-135	6	35	mg/kg	09.23.2020 11:13	
Diesel Range Organics (DRO)	<49.8	995	899	90	866	87	70-135	4	35	mg/kg	09.23.2020 11:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		109		70-135	%	09.23.2020 11:13
o-Terphenyl	106		99		70-135	%	09.23.2020 11:13

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138023
Parent Sample Id: 673419-001

Matrix: Soil
MS Sample Id: 673419-001 S

Prep Method: SW8015P
Date Prep: 09.24.2020
MSD Sample Id: 673419-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	871	87	872	87	70-135	0	35	mg/kg	09.24.2020 11:48	
Diesel Range Organics (DRO)	<50.2	1000	968	97	996	100	70-135	3	35	mg/kg	09.24.2020 11:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	131		135		70-135	%	09.24.2020 11:48
o-Terphenyl	127		130		70-135	%	09.24.2020 11:48

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138100

Parent Sample Id: 673381-023

Matrix: Soil

MS Sample Id: 673381-023 S

Prep Method: SW8015P

Date Prep: 09.24.2020

MSD Sample Id: 673381-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	985	99	1000	100	70-135	2	35	mg/kg	09.24.2020 11:48	
Diesel Range Organics (DRO)	<49.9	997	1030	103	1040	104	70-135	1	35	mg/kg	09.24.2020 11:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		134		70-135	%	09.24.2020 11:48
o-Terphenyl	124		124		70-135	%	09.24.2020 11:48

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137987

MB Sample Id: 7711980-1-BLK

Matrix: Solid

LCS Sample Id: 7711980-1-BKS

Prep Method: SW5035A

Date Prep: 09.23.2020

LCSD Sample Id: 7711980-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0992	99	70-130	1	35	mg/kg	09.23.2020 21:46	
Toluene	<0.00200	0.100	0.0976	98	0.0963	96	70-130	1	35	mg/kg	09.23.2020 21:46	
Ethylbenzene	<0.00200	0.100	0.0909	91	0.0896	90	71-129	1	35	mg/kg	09.23.2020 21:46	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.180	90	70-135	2	35	mg/kg	09.23.2020 21:46	
o-Xylene	<0.00200	0.100	0.0909	91	0.0899	90	71-133	1	35	mg/kg	09.23.2020 21:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		99		70-130	%	09.23.2020 21:46
4-Bromofluorobenzene	88		90		88		70-130	%	09.23.2020 21:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138112

MB Sample Id: 7711981-1-BLK

Matrix: Solid

LCS Sample Id: 7711981-1-BKS

Prep Method: SW5035A

Date Prep: 09.24.2020

LCSD Sample Id: 7711981-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.115	115	0.112	112	70-130	3	35	mg/kg	09.24.2020 12:04	
Toluene	<0.00200	0.100	0.112	112	0.109	109	70-130	3	35	mg/kg	09.24.2020 12:04	
Ethylbenzene	<0.00200	0.100	0.104	104	0.101	101	71-129	3	35	mg/kg	09.24.2020 12:04	
m,p-Xylenes	<0.00400	0.200	0.209	105	0.204	102	70-135	2	35	mg/kg	09.24.2020 12:04	
o-Xylene	<0.00200	0.100	0.103	103	0.101	101	71-133	2	35	mg/kg	09.24.2020 12:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		97		70-130	%	09.24.2020 12:04
4-Bromofluorobenzene	89		89		86		70-130	%	09.24.2020 12:04

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137987

Parent Sample Id: 673381-001

Matrix: Soil

MS Sample Id: 673381-001 S

Prep Method: SW5035A

Date Prep: 09.23.2020

MSD Sample Id: 673381-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.125	126	0.0995	101	70-130	23	35	mg/kg	09.23.2020 22:31	
Toluene	<0.00199	0.0994	0.119	120	0.0938	95	70-130	24	35	mg/kg	09.23.2020 22:31	
Ethylbenzene	<0.00199	0.0994	0.112	113	0.0847	86	71-129	28	35	mg/kg	09.23.2020 22:31	
m,p-Xylenes	<0.00398	0.199	0.224	113	0.170	86	70-135	27	35	mg/kg	09.23.2020 22:31	
o-Xylene	<0.00199	0.0994	0.111	112	0.0837	85	71-133	28	35	mg/kg	09.23.2020 22:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	09.23.2020 22:31
4-Bromofluorobenzene	88		91		70-130	%	09.23.2020 22:31

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138112

Parent Sample Id: 673381-021

Matrix: Soil

MS Sample Id: 673381-021 S

Prep Method: SW5035A

Date Prep: 09.24.2020

MSD Sample Id: 673381-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.123	122	0.117	116	70-130	5	35	mg/kg	09.24.2020 17:52	
Toluene	<0.00201	0.101	0.118	117	0.114	113	70-130	3	35	mg/kg	09.24.2020 17:52	
Ethylbenzene	<0.00201	0.101	0.109	108	0.105	104	71-129	4	35	mg/kg	09.24.2020 17:52	
m,p-Xylenes	<0.00402	0.201	0.219	109	0.212	105	70-135	3	35	mg/kg	09.24.2020 17:52	
o-Xylene	<0.00201	0.101	0.109	108	0.105	104	71-133	4	35	mg/kg	09.24.2020 17:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	09.24.2020 17:52
4-Bromofluorobenzene	87		90		70-130	%	09.24.2020 17:52

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Environment Testing
Xenco

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Chain of Custody

673381

Work Order No: _____

www.xenco.com Page 1 of 4

Project Manager:	John Ferguson	Bill to: (if different)	
Company Name:	SDR Enterprises LLC	Company Name:	
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	fergerson@sdrenterprises.com
Project Name:	Solars-Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	J. Ferguson	Temp Blank:	Yes <input checked="" type="radio"/> No <input type="radio"/>
PO #:		Thermometer ID:	T-1111-003
SAMPLE RECEIPT		Wet Ice:	Yes <input checked="" type="radio"/> No <input type="radio"/>
Samples Received Intact:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Correction Factor:	-0.2
Cooler Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Temperature Reading:	5.0/4.8
Sample Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Corrected Temperature:	4.8
Total Containers:		Parameters	BTEX 8021B TPH (GRO+DRO+MRO) 8015M Chloride EPA 300.0

ANALYSIS REQUEST

Preservative Codes
None: NO DI Water: H₂O
Cool: Cool MeOH: Me
HCL: HC HNO₃: HN
H₂SO₄: H₂ NaOH: NA
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₃: NASO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADAPT Other: _____

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
DS-1 (0-1.0')	S	9/21/20	1220	0-1.0'	G	1	BTEX 8021B	
DS-1 (1-2.0')	S	9/21/20	1225	1-2.0'	G	1	TPH (GRO+DRO+MRO) 8015M	
DS-1 (2-3.0')	S	9/21/20	1230	2-3.0'	G	1	Chloride EPA 300.0	
DS-1 (3-4.0')	S	9/21/20	1240	3-4.0'	G	1		
BS-1 (0-1.0')	S	9/21/20	1440	0-1.0'	G	1		
BS-1 (1-2.0')	S	9/21/20	1445	1-2.0'	G	1		
BS-1 (3-4.0')	S	9/21/20	1500	3-4.0'	G	1		
DS-2 (0-0.5')	S	9/22/20	0950	0-0.5'	G	1		
DS-2 (1-2.0')	S	9/22/20	1000	1-2.0'	G	1		
DS-3 (0-0.5')	S	9/22/20	1055	0-0.5'	G	1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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	Steve Oyster	9:33:00 1437/12/20 1437			



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Xenco

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 4

673381

Project Manager:	John Ferguson	Bill to: (if different)	
Company Name:	SDR Enterprises LLC	Company Name:	
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	jfergerson@sdrenterprises.com
Project Name:	Solaris-Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	100DENV	Due Date:	
Project Location:	Eddy County, NM		
Sampler's Name:	J. Ferguson		
PO #:			

Program:	UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

SAMPLE RECEIPT	Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID: _____	Parameters
Samples Received Intact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor: _____		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading: _____		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Corrected Temperature: _____		
Total Containers:				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Cont	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
D5-3 (0.5-1.0')	S	9/22/20	1100	0.5-1.0'	G	1	✓	✓	✓		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPP	
D5-3 (1-2.0')	S	9/22/20	1105	1-2.0'	G	1	✓	✓	✓			
D5-4 (0.5-1.0')	S	9/22/20	1150	0-0.5'	G	1	✓	✓	✓			
D5-4 (D5-1.5')	S	9/22/20	1155	0.5-1.0'	G	1	✓	✓	✓			
D5-4 (1-2.0')	S	9/22/20	1200	1-2.0'	G	1	✓	✓	✓			
D5-2 (0-0.5')	S	9/22/20	1330	0-0.5'	G	1	✓	✓	✓			
D5-2 (1-2.0')	S	9/22/20	1346	1-2.0'	G	1	✓	✓	✓			
D5-5 (0-1.0')	S	9/22/20	1430	0-1.0'	G	1	✓	✓	✓			
D5-5 (1-2.0')	S	9/22/20	1435	1-2.0'	G	1	✓	✓	✓			
D5-5 (3-4.0')	S	9/22/20	1445	3-4.0'	G	1	✓	✓	✓			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	<i>Cee Oppers</i>	9/23/20 1437			



Environment Testing Xenco

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Hobbs, NM (575) 392-7590, Carlsbad, NM (575) 988-3199

Work Order No:

673381

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Page 3 of 4

Project Manager: John Fergerson
Company Name: SDR Enterprises LLC
Address: 6222 S Bronco Drive
City, State ZIP: Hobbs, NM 88240
Phone: (432) 638-7333
Email: jfergerson@sdrenterprises.com

Work Order Comments
Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting: Level II Level III PST/UST TRRP Level IV
Deliverables: EDD ADAPT Other

Project Name: Solaris-Lobo to Eddy State ARV Release
Project Number: 1000ENV
Turn Around: [x] Routine [] Rush
Project Location: Eddy County, NM
Due Date:
Sampler's Name: J.Fergerson
TAT starts the day received by the lab, if received by 4:30pm
PO #:
SAMPLE RECEIPT
Temp Blank: Yes No
Thermometer ID:
Cooler Custody Seals: Yes No N/A
Corrected Factor:
Sample Custody Seals: Yes No N/A
Temperature Reading:
Total Containers: Corrected Temperature:

Table with columns: Sample Identification, Matrix, Date Sampled, Time Sampled, Depth, Grab/Comp, # of Cont, ANALYSIS REQUEST (BTEX 8021B, TPH (GRO+DRO+MRO) 8015M, Chloride EPA 300.0), Preservative Codes, Sample Comments.

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature) Received by: (Signature) Date/Time
1 [Signature] [Signature] 9-23-20 1437/23/20 1437
2
3
4
5



Environment Testing
Xenco

Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

673381

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Page 4 of 4

Project Manager:	John Ferguson	Bill to: (if different)	
Company Name:	SDR Enterprises LLC	Company Name:	
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	jfergerson@sdrenterprises.com

Program: UST/PST	<input type="checkbox"/>	PRP	<input type="checkbox"/>	Brownfields	<input type="checkbox"/>	RRC	<input type="checkbox"/>	Superfund	<input type="checkbox"/>
State of Project:		Reporting: Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PST/UST	<input type="checkbox"/>	TRRP	<input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:				

Project Name:	Solaris-Lobo to Eddy State ARV Release	Turn Around		Pass. Code	ANALYSIS REQUEST	Preservative Codes	
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush				
Project Number:	1000ENV	Due Date:				None: NO	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm				DI Water: H ₂ O	
Sampler's Name:	J.Ferguson	Thermometer ID:				Cool: Cool	
PO #:		Correction Factor:				HCL: HC	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Merice:		H ₂ SO ₄ : H ₂	
	Samples Received Intact:	Yes	No	See Page 1 Page		H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes	No	Temperature Reading:			NaHSO ₄ : NABIS	
Sample Custody Seals:	Yes	No	Corrected Temperature:			Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:	Yes	No				Zn Acetate+NaOH: Zn	
						NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cort	Sample Comments
DS-8 (0-0.5')	S	9/23/20	1040	0-0.5'	G	1	
DS-9 (0-1.0')	S	9/23/20	1126	0-1.0'	G	1	
DS-9 (1-2.0')	S	9/23/20	1125	1-2.0'	G	1	
DS-9 (3-4.0')	S	9/23/20	1140	3-4.0'	G	1	
DS-10 (0-0.5')	S	9/23/20	1200	0-0.5'	G	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/23/20 1437			

Certificate of Analysis Summary 676830

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 100ENV
Contact: John Fergerson
Project Location: .

Date Received in Lab: Wed 11.04.2020 08:17
Report Date: 11.10.2020 07:57
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	676830-001	676830-002	676830-003	676830-004	676830-005	676830-006
	<i>Field Id:</i>	CFS-1	CWSS-1	CWSE-1	CWSW-1	CFS-2	CWSE-2
	<i>Depth:</i>	1.0- ft	1.0- ft	1.0- ft	1.0- ft	1.0- ft	1.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	10.30.2020 10:10	10.30.2020 10:15	10.30.2020 10:20	10.30.2020 10:30	10.30.2020 11:20	10.30.2020 11:25
BTEX by EPA 8021B	<i>Extracted:</i>	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06
	<i>Analyzed:</i>	11.04.2020 16:01	11.04.2020 16:23	11.04.2020 16:45	11.04.2020 17:08	11.04.2020 17:30	11.04.2020 17:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00403 0.00403	<0.00401 0.00401	<0.00399 0.00399	<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40
	<i>Analyzed:</i>	11.04.2020 13:58	11.04.2020 14:14	11.04.2020 14:20	11.04.2020 16:31	11.04.2020 14:31	11.04.2020 14:47
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		109 50.0	76.7 49.5	64.9 50.0	12.2 10.0	231 49.9	182 9.98
TPH By SW8015 Mod	<i>Extracted:</i>	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19
	<i>Analyzed:</i>	11.04.2020 16:26	11.04.2020 17:27	11.04.2020 17:47	11.04.2020 18:07	11.04.2020 18:27	11.04.2020 18:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<50.2 50.2	<49.9 49.9	<50.1 50.1	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.1 50.1	<50.2 50.2	<49.9 49.9	<50.1 50.1	<49.9 49.9	83.2 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<50.2 50.2	<49.9 49.9	<50.1 50.1	<49.9 49.9	<50.0 50.0
Total TPH		<50.1 50.1	<50.2 50.2	<49.9 49.9	<50.1 50.1	<49.9 49.9	83.2 50.0

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

Certificate of Analysis Summary 676830

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 100ENV
Contact: John Fergerson
Project Location: .

Date Received in Lab: Wed 11.04.2020 08:17
Report Date: 11.10.2020 07:57
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	676830-007	676830-008	676830-009	676830-010	676830-011	676830-012
	<i>Field Id:</i>	CWSW-2	CFS-3	CWSE-3	CWSW-3	CFS-4	CFS-4
	<i>Depth:</i>	1.0- ft	1.0- ft	1.0- ft	1.0- ft	2.0- ft	3.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	10.30.2020 11:30	10.30.2020 11:55	10.30.2020 12:00	10.30.2020 12:05	10.30.2020 13:15	11.02.2020 13:55
BTEX by EPA 8021B	<i>Extracted:</i>	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06
	<i>Analyzed:</i>	11.04.2020 18:15	11.04.2020 18:37	11.04.2020 19:00	11.04.2020 19:22	11.04.2020 20:42	11.04.2020 21:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00401 0.00401	<0.00402 0.00402	<0.00399 0.00399	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Chloride by EPA 300	<i>Extracted:</i>	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40
	<i>Analyzed:</i>	11.04.2020 16:37	11.04.2020 14:58	11.04.2020 15:04	11.04.2020 16:42	11.04.2020 16:59	11.04.2020 15:31
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		24.0 9.92	114 49.8	237 49.9	14.9 10.0	26.1 9.92	294 49.9
TPH By SW8015 Mod	<i>Extracted:</i>	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19
	<i>Analyzed:</i>	11.04.2020 19:08	11.04.2020 19:29	11.04.2020 19:29	11.04.2020 20:09	11.04.2020 20:50	11.04.2020 21:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.1 50.1	<50.2 50.2	<49.9 49.9	<49.8 49.8	<49.9 49.9
Diesel Range Organics (DRO)		<50.2 50.2	<50.1 50.1	75.2 50.2	<49.9 49.9	94.6 49.8	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.1 50.1	<50.2 50.2	<49.9 49.9	<49.8 49.8	<49.9 49.9
Total TPH		<50.2 50.2	<50.1 50.1	75.2 50.2	<49.9 49.9	94.6 49.8	<49.9 49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 676830

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 100ENV
Contact: John Fergerson
Project Location: .

Date Received in Lab: Wed 11.04.2020 08:17
Report Date: 11.10.2020 07:57
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	676830-013	676830-014	676830-015	676830-017	676830-018	676830-019
	<i>Field Id:</i>	CFS-5	CFS-5	CWSS-4	CFS-5	CWSE-4	CWSW-4
	<i>Depth:</i>	2.0- ft	4.0- ft	4.0- ft	5.0- ft	3.0- ft	3.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.02.2020 14:40	11.02.2020 14:55	11.03.2020 14:15	11.03.2020 14:25	11.03.2020 14:40	11.03.2020 14:45
BTEX by EPA 8021B	<i>Extracted:</i>	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06	11.04.2020 12:06
	<i>Analyzed:</i>	11.04.2020 22:57	11.04.2020 21:27	11.04.2020 22:12	11.04.2020 21:49	11.04.2020 23:19	11.04.2020 23:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
m,p-Xylenes		<0.00398 0.00398	<0.00401 0.00401	<0.00403 0.00403	<0.00402 0.00402	<0.00398 0.00398	<0.00402 0.00402
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Chloride by EPA 300	<i>Extracted:</i>	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40	11.04.2020 13:40
	<i>Analyzed:</i>	11.04.2020 16:09	11.04.2020 15:36	11.04.2020 15:58	11.04.2020 15:36	11.04.2020 16:15	11.04.2020 16:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1520 99.8	508 50.8	58.2 50.4	124 50.9	150 50.0	136 49.5
TPH By SW8015 Mod	<i>Extracted:</i>	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19	11.04.2020 14:19
	<i>Analyzed:</i>	11.04.2020 22:51	11.04.2020 21:30	11.04.2020 22:10	11.04.2020 21:50	11.04.2020 23:11	11.04.2020 23:31
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.2 50.2	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.2 50.2	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.2 50.2	<50.0 50.0	<50.0 50.0
Total TPH		<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.2 50.2	<50.0 50.0	<50.0 50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 676830

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

100ENV

11.10.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.10.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **676830**

Solaris- Lobo to Eddy State ARV Release

Project Address: .

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 676830. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 676830 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 676830

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CFS-1	S	10.30.2020 10:10	1.0 ft	676830-001
CWSS-1	S	10.30.2020 10:15	1.0 ft	676830-002
CWSE-1	S	10.30.2020 10:20	1.0 ft	676830-003
CWSW-1	S	10.30.2020 10:30	1.0 ft	676830-004
CFS-2	S	10.30.2020 11:20	1.0 ft	676830-005
CWSE-2	S	10.30.2020 11:25	1.0 ft	676830-006
CWSW-2	S	10.30.2020 11:30	1.0 ft	676830-007
CFS-3	S	10.30.2020 11:55	1.0 ft	676830-008
CWSE-3	S	10.30.2020 12:00	1.0 ft	676830-009
CWSW-3	S	10.30.2020 12:05	1.0 ft	676830-010
CFS-4	S	10.30.2020 13:15	2.0 ft	676830-011
CFS-4	S	11.02.2020 13:55	3.0 ft	676830-012
CFS-5	S	11.02.2020 14:40	2.0 ft	676830-013
CFS-5	S	11.02.2020 14:55	4.0 ft	676830-014
CWSS-4	S	11.03.2020 14:15	4.0 ft	676830-015
CFS-5	S	11.03.2020 14:25	5.0 ft	676830-017
CWSE-4	S	11.03.2020 14:40	3.0 ft	676830-018
CWSW-4	S	11.03.2020 14:45	3.0 ft	676830-019
CFS-4	S	11.03.2020 14:20	5.0 ft	Not Analyzed



CASE NARRATIVE

Client Name: *SDR Enterprise*

Project Name: *Solaris- Lobo to Eddy State ARV Release*

Project ID: *100ENV*
Work Order Number(s): *676830*

Report Date: *11.10.2020*
Date Received: *11.04.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-001 Date Collected: 10.30.2020 10:10 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	50.0	mg/kg	11.04.2020 13:58		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.04.2020 16:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.04.2020 16:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.04.2020 16:26	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.04.2020 16:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.04.2020 16:26	
o-Terphenyl	84-15-1	122	%	70-135	11.04.2020 16:26	



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-001 Date Collected: 10.30.2020 10:10 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.04.2020 16:01	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.04.2020 16:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.04.2020 16:01	
4-Bromofluorobenzene	460-00-4	103	%	70-130	11.04.2020 16:01	



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSS-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-002 Date Collected: 10.30.2020 10:15 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	76.7	49.5	mg/kg	11.04.2020 14:14		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 17:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.04.2020 17:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 17:27	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.04.2020 17:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.04.2020 17:27	
o-Terphenyl	84-15-1	123	%	70-135	11.04.2020 17:27	



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSS-1 **Matrix:** Soil **Date Received:** 11.04.2020 08:17
Lab Sample Id: 676830-002 **Date Collected:** 10.30.2020 10:15 **Sample Depth:** 1.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.04.2020 12:06 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3141399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.04.2020 16:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 16:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.04.2020 16:23	
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.04.2020 16:23	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-003 Date Collected: 10.30.2020 10:20 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	64.9	50.0	mg/kg	11.04.2020 14:20		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.04.2020 17:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.04.2020 17:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.04.2020 17:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.04.2020 17:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.04.2020 17:47	
o-Terphenyl	84-15-1	121	%	70-135	11.04.2020 17:47	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-003 Date Collected: 10.30.2020 10:20 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.04.2020 16:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 16:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.04.2020 16:45		
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.04.2020 16:45		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-004 Date Collected: 10.30.2020 10:30 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.2	10.0	mg/kg	11.04.2020 16:31		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.04.2020 18:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.04.2020 18:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.04.2020 18:07	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.04.2020 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.04.2020 18:07	
o-Terphenyl	84-15-1	118	%	70-135	11.04.2020 18:07	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-1** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-004 Date Collected: 10.30.2020 10:30 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.04.2020 17:08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.04.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.04.2020 17:08	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.04.2020 17:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-2** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-005 Date Collected: 10.30.2020 11:20 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	231	49.9	mg/kg	11.04.2020 14:31		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.04.2020 18:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.04.2020 18:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.04.2020 18:27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.04.2020 18:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.04.2020 18:27	
o-Terphenyl	84-15-1	125	%	70-135	11.04.2020 18:27	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-2** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-005 Date Collected: 10.30.2020 11:20 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.04.2020 17:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 17:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.04.2020 17:30	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.04.2020 17:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-2** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-006 Date Collected: 10.30.2020 11:25 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	182	9.98	mg/kg	11.04.2020 14:47		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.04.2020 18:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	83.2	50.0	mg/kg	11.04.2020 18:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.04.2020 18:48	U	1
Total TPH	PHC635	83.2	50.0	mg/kg	11.04.2020 18:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	11.04.2020 18:48	
o-Terphenyl	84-15-1	115	%	70-135	11.04.2020 18:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-2	Matrix: Soil	Date Received: 11.04.2020 08:17
Lab Sample Id: 676830-006	Date Collected: 10.30.2020 11:25	Sample Depth: 1.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		
Analyst: MAB	Date Prep: 11.04.2020 12:06	% Moisture:
Seq Number: 3141399		Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.04.2020 17:52	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.04.2020 17:52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.04.2020 17:52		
4-Bromofluorobenzene	460-00-4	105	%	70-130	11.04.2020 17:52		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-2** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-007 Date Collected: 10.30.2020 11:30 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24.0	9.92	mg/kg	11.04.2020 16:37		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 19:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.04.2020 19:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 19:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.04.2020 19:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.04.2020 19:08	
o-Terphenyl	84-15-1	111	%	70-135	11.04.2020 19:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-2** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-007 Date Collected: 10.30.2020 11:30 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.04.2020 18:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 18:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.04.2020 18:15	
4-Bromofluorobenzene	460-00-4	124	%	70-130	11.04.2020 18:15	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-3** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-008 Date Collected: 10.30.2020 11:55 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	114	49.8	mg/kg	11.04.2020 14:58		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.04.2020 19:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.04.2020 19:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.04.2020 19:29	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.04.2020 19:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.04.2020 19:29	
o-Terphenyl	84-15-1	114	%	70-135	11.04.2020 19:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-3	Matrix: Soil	Date Received: 11.04.2020 08:17
Lab Sample Id: 676830-008	Date Collected: 10.30.2020 11:55	Sample Depth: 1.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.04.2020 12:06	Basis: Wet Weight
Seq Number: 3141399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.04.2020 18:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.04.2020 18:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.04.2020 18:37	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.04.2020 18:37	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-3** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-009 Date Collected: 10.30.2020 12:00 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	237	49.9	mg/kg	11.04.2020 15:04		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 19:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	75.2	50.2	mg/kg	11.04.2020 19:29		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 19:29	U	1
Total TPH	PHC635	75.2	50.2	mg/kg	11.04.2020 19:29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	11.04.2020 19:29	
o-Terphenyl	84-15-1	115	%	70-135	11.04.2020 19:29	



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Sample Id: **CWSE-3** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-009 Date Collected: 10.30.2020 12:00 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.04.2020 19:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 19:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.04.2020 19:00	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.04.2020 19:00	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-3** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-010 Date Collected: 10.30.2020 12:05 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.9	10.0	mg/kg	11.04.2020 16:42		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.04.2020 20:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.04.2020 20:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.04.2020 20:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.04.2020 20:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.04.2020 20:09	
o-Terphenyl	84-15-1	112	%	70-135	11.04.2020 20:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-3** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-010 Date Collected: 10.30.2020 12:05 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.04.2020 19:22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.04.2020 19:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.04.2020 19:22	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.04.2020 19:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-011 Date Collected: 10.30.2020 13:15 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.1	9.92	mg/kg	11.04.2020 16:59		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.04.2020 20:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	94.6	49.8	mg/kg	11.04.2020 20:50		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.04.2020 20:50	U	1
Total TPH	PHC635	94.6	49.8	mg/kg	11.04.2020 20:50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.04.2020 20:50	
o-Terphenyl	84-15-1	114	%	70-135	11.04.2020 20:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-011 Date Collected: 10.30.2020 13:15 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.04.2020 20:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	11.04.2020 20:42	
4-Bromofluorobenzene	460-00-4	104	%	70-130	11.04.2020 20:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-012 Date Collected: 11.02.2020 13:55 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	294	49.9	mg/kg	11.04.2020 15:31		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.04.2020 21:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.04.2020 21:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.04.2020 21:10	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.04.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.04.2020 21:10	
o-Terphenyl	84-15-1	117	%	70-135	11.04.2020 21:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-012 Date Collected: 11.02.2020 13:55 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.04.2020 21:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.04.2020 21:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	11.04.2020 21:05	
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.04.2020 21:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-013 Date Collected: 11.02.2020 14:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1520	99.8	mg/kg	11.04.2020 16:09		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.04.2020 22:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.04.2020 22:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.04.2020 22:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.04.2020 22:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.04.2020 22:51	
o-Terphenyl	84-15-1	117	%	70-135	11.04.2020 22:51	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-013 Date Collected: 11.02.2020 14:40 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.04.2020 22:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.04.2020 22:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.04.2020 22:57	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.04.2020 22:57	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-014 Date Collected: 11.02.2020 14:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	508	50.8	mg/kg	11.04.2020 15:36		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 21:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.04.2020 21:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 21:30	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.04.2020 21:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.04.2020 21:30	
o-Terphenyl	84-15-1	119	%	70-135	11.04.2020 21:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-014 Date Collected: 11.02.2020 14:55 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.04.2020 21:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.04.2020 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.04.2020 21:27	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.04.2020 21:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSS-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-015 Date Collected: 11.03.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	58.2	50.4	mg/kg	11.04.2020 15:58		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 22:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.04.2020 22:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 22:10	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.04.2020 22:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.04.2020 22:10	
o-Terphenyl	84-15-1	115	%	70-135	11.04.2020 22:10	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSS-4**
Lab Sample Id: 676830-015

Matrix: Soil
Date Collected: 11.03.2020 14:15

Date Received: 11.04.2020 08:17
Sample Depth: 4.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 12:06

% Moisture:
Basis: Wet Weight

Seq Number: 3141399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.04.2020 22:12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.04.2020 22:12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	123	%	70-130	11.04.2020 22:12		
1,4-Difluorobenzene	540-36-3	110	%	70-130	11.04.2020 22:12		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-017 Date Collected: 11.03.2020 14:25 Sample Depth: 5.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	124	50.9	mg/kg	11.04.2020 15:36		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.04.2020 21:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.04.2020 21:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.04.2020 21:50	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.04.2020 21:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.04.2020 21:50	
o-Terphenyl	84-15-1	109	%	70-135	11.04.2020 21:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-5** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-017 Date Collected: 11.03.2020 14:25 Sample Depth: 5.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.04.2020 21:49	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.04.2020 21:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.04.2020 21:49	
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.04.2020 21:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-018 Date Collected: 11.03.2020 14:40 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	150	50.0	mg/kg	11.04.2020 16:15		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.04.2020 23:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.04.2020 23:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.04.2020 23:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.04.2020 23:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	11.04.2020 23:11	
o-Terphenyl	84-15-1	118	%	70-135	11.04.2020 23:11	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-018 Date Collected: 11.03.2020 14:40 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 12:06 % Moisture:
 Seq Number: 3141399 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.04.2020 23:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.04.2020 23:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.04.2020 23:19	
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.04.2020 23:19	



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-4** Matrix: Soil Date Received: 11.04.2020 08:17
 Lab Sample Id: 676830-019 Date Collected: 11.03.2020 14:45 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.04.2020 13:40 % Moisture:
 Seq Number: 3141404 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	136	49.5	mg/kg	11.04.2020 16:20		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.04.2020 14:19 % Moisture:
 Seq Number: 3141427 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.04.2020 23:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.04.2020 23:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.04.2020 23:31	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.04.2020 23:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	11.04.2020 23:31	
o-Terphenyl	84-15-1	114	%	70-135	11.04.2020 23:31	



Certificate of Analytical Results 676830

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-4**
Lab Sample Id: 676830-019

Matrix: Soil
Date Collected: 11.03.2020 14:45

Date Received: 11.04.2020 08:17
Sample Depth: 3.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 12:06

% Moisture:
Basis: Wet Weight

Seq Number: 3141399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.04.2020 23:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.04.2020 23:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.04.2020 23:41	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.04.2020 23:41	



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3141404
MB Sample Id: 7714493-1-BLK

Matrix: Solid
LCS Sample Id: 7714493-1-BKS

Prep Method: E300P
Date Prep: 11.04.2020
LCSD Sample Id: 7714493-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	260	104	260	104	90-110	0	20	mg/kg	11.04.2020 13:47	

Analytical Method: Chloride by EPA 300

Seq Number: 3141404
Parent Sample Id: 676830-001

Matrix: Soil
MS Sample Id: 676830-001 S

Prep Method: E300P
Date Prep: 11.04.2020
MSD Sample Id: 676830-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	109	201	312	101	313	101	90-110	0	20	mg/kg	11.04.2020 14:03	

Analytical Method: Chloride by EPA 300

Seq Number: 3141404
Parent Sample Id: 676830-011

Matrix: Soil
MS Sample Id: 676830-011 S

Prep Method: E300P
Date Prep: 11.04.2020
MSD Sample Id: 676830-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.1	199	236	105	235	105	90-110	0	20	mg/kg	11.04.2020 17:04	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141427
MB Sample Id: 7714498-1-BLK

Matrix: Solid
LCS Sample Id: 7714498-1-BKS

Prep Method: SW8015P
Date Prep: 11.04.2020
LCSD Sample Id: 7714498-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1290	129	1240	124	70-135	4	35	mg/kg	11.04.2020 15:46	
Diesel Range Organics (DRO)	<50.0	1000	1280	128	1290	129	70-135	1	35	mg/kg	11.04.2020 15:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	133		119		113		70-135	%	11.04.2020 15:46
o-Terphenyl	132		125		126		70-135	%	11.04.2020 15:46

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141427

Matrix: Solid
MB Sample Id: 7714498-1-BLK

Prep Method: SW8015P
Date Prep: 11.04.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.04.2020 15:25	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141427

Parent Sample Id: 676830-001

Matrix: Soil

MS Sample Id: 676830-001 S

Prep Method: SW8015P

Date Prep: 11.04.2020

MSD Sample Id: 676830-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	953	95	971	97	70-135	2	35	mg/kg	11.04.2020 16:46	
Diesel Range Organics (DRO)	<49.9	998	1110	111	1130	113	70-135	2	35	mg/kg	11.04.2020 16:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	135		125		70-135	%	11.04.2020 16:46
o-Terphenyl	132		125		70-135	%	11.04.2020 16:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141399

MB Sample Id: 7714494-1-BLK

Matrix: Solid

LCS Sample Id: 7714494-1-BKS

Prep Method: SW5035A

Date Prep: 11.04.2020

LCSD Sample Id: 7714494-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0841	84	0.0862	86	70-130	2	35	mg/kg	11.04.2020 13:56	
Toluene	<0.00200	0.100	0.0805	81	0.0844	84	70-130	5	35	mg/kg	11.04.2020 13:56	
Ethylbenzene	<0.00200	0.100	0.0847	85	0.0863	86	71-129	2	35	mg/kg	11.04.2020 13:56	
m,p-Xylenes	<0.00400	0.200	0.171	86	0.176	88	70-135	3	35	mg/kg	11.04.2020 13:56	
o-Xylene	<0.00200	0.100	0.0849	85	0.0874	87	71-133	3	35	mg/kg	11.04.2020 13:56	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		97		99		70-130	%	11.04.2020 13:56
4-Bromofluorobenzene	113		101		107		70-130	%	11.04.2020 13:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141399

Parent Sample Id: 676830-001

Matrix: Soil

MS Sample Id: 676830-001 S

Prep Method: SW5035A

Date Prep: 11.04.2020

MSD Sample Id: 676830-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.110	110	70-130	2	35	mg/kg	11.04.2020 14:40	
Toluene	<0.00200	0.100	0.100	100	0.102	102	70-130	2	35	mg/kg	11.04.2020 14:40	
Ethylbenzene	<0.00200	0.100	0.0995	100	0.0960	96	71-129	4	35	mg/kg	11.04.2020 14:40	
m,p-Xylenes	<0.00401	0.200	0.190	95	0.184	92	70-135	3	35	mg/kg	11.04.2020 14:40	
o-Xylene	<0.00200	0.100	0.0934	93	0.0911	91	71-133	2	35	mg/kg	11.04.2020 14:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		104		70-130	%	11.04.2020 14:40
4-Bromofluorobenzene	108		107		70-130	%	11.04.2020 14:40

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Chain of Custody

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) 998-3199

Work Order No: 1076830

www.xenco.com Page 1 of 2

Project Manager: John Fergerson
Company Name: SDR Enterprises LLC
Address: 6222 S Bronco Drive
City, State ZIP: Hobbs, NM 88240
Phone: (432) 638-7333
Email: jfergerson@sdr-enterprises.com

Program: UST/PST
State of Project:
Reporting: Level II
Deliverables: EDD

Project Number: 1000ENV
Project Location: Eddy County, NM
Turn Around: Routine
Due Date:
TAT starts the day received by the lab...
SAMPLE RECEIPT: Temp Blank, Wet Ice, Thermometer ID, Cooler Custody Seals, Sample Custody Seals, Total Containers

Table with columns: Sample Identification, Matrix, Date Sampled, Time Sampled, Depth, Grab/Comp, # of Cont, ANALYSIS REQUEST (BTEX 8021B, TPH, Chloride EPA 300.0), Preservative Codes, Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$95.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature) Received by: (Signature) Date/Time
11/4/20 08:17



Chain of Custody

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

Work Order No: _____

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Page 2 of 2

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENVV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J. Ferguson	Wet Ice:	Yes No		
PO #:		Temperature Reading:			
SAMPLE RECEIPT					
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ther. Cooler ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CFS-4	S	10/30/2020	1315	2.0'	Comp	1	X X X X X	BTEX 8021B	None: NO	DI Water: H ₂ O
CFS-4	S	11/21/2020	1355	3.0'	Comp	1	X X X X X	TPH (GRO+DRO+MRO) 8015M	Cool: Cool	MeOH: Me
CFS-5	S	11/21/2020	1440	2.0'	Comp	1	X X X X X	Chloride EPA 300.0	HCL: HC	HNO ₃ : HN
CFS-5	S	11/21/2020	1455	4.0'	Comp	1	X X X X X		H ₂ SO ₄ : H ₂	NaOH: Na
CWSS-4	S	11/3/2020	1415	4.0'	Comp	1	X X X X X		H ₃ PO ₄ : HP	
CFS-4	S	11/3/2020	1420	5.0'	Comp	1	X X X X X		NaHSO ₄ : NABIS	
CFS-5	S	11/3/2020	1425	5.0'	Comp	1	X X X X X		Na ₂ S ₂ O ₃ : NaSO ₃	
CWSE-4	S	11/3/2020	1440	3.0'	Comp	1	X X X X X		Zn Acetate+NaOH: Zn	
CWSW-4	S	11/3/2020	1445	3.0'	Comp	1	X X X X X		NaOH+Ascorbic Acid: SAPC	
TEMP BLANK	W									QA/QC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/12/20 08:17			

6716830

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.04.2020 08.17.00 AM

Work Order #: 676830

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.04.2020
 Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.04.2020
 Jessica Kramer

Certificate of Analysis Summary 677178



SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.06.2020 15:37
Report Date: 11.11.2020 14:28
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677178-001	677178-002	677178-003	677178-004	677178-005	677178-006
	<i>Field Id:</i>	CWSW-5	CWSE-5	CWSE-6	CFS-6	CWSW-6	CFS-7
	<i>Depth:</i>	3.0- ft	3.0- ft	3.0- ft	6.0- ft	3.0- ft	7.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.04.2020 10:55	11.04.2020 12:50	11.04.2020 15:10	11.05.2020 10:35	11.05.2020 10:55	11.05.2020 15:30
BTEX by EPA 8021B	<i>Extracted:</i>	11.09.2020 10:11	11.09.2020 10:11	11.09.2020 10:11	11.09.2020 10:11	11.09.2020 10:11	11.09.2020 10:11
	<i>Analyzed:</i>	11.09.2020 14:56	11.09.2020 15:18	11.09.2020 15:41	11.09.2020 16:03	11.09.2020 16:26	11.09.2020 16:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
Toluene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
m,p-Xylenes		<0.00400 0.00400	<0.00397 0.00397	<0.00401 0.00401	<0.00402 0.00402	<0.00397 0.00397	<0.00402 0.00402
o-Xylene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
Total Xylenes		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
Total BTEX		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00201 0.00201
Chloride by EPA 300	<i>Extracted:</i>	11.09.2020 14:31	11.09.2020 14:31	11.09.2020 14:31	11.09.2020 14:31	11.09.2020 14:31	11.09.2020 14:31
	<i>Analyzed:</i>	11.09.2020 16:33	11.09.2020 16:50	11.09.2020 16:55	11.09.2020 17:12	11.09.2020 17:17	11.09.2020 17:23
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		121 49.5	97.2 50.1	42.3 9.94	292 49.7	<9.94 9.94	342 50.3
TPH By SW8015 Mod	<i>Extracted:</i>	11.09.2020 13:00	11.09.2020 13:00	11.09.2020 13:00	11.09.2020 13:00	11.09.2020 13:00	11.09.2020 13:00
	<i>Analyzed:</i>	11.09.2020 17:01	11.10.2020 08:09	11.10.2020 08:29	11.10.2020 08:49	11.10.2020 09:09	11.10.2020 09:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.8 49.8	<50.3 50.3	<50.0 50.0	<50.3 50.3	<50.2 50.2
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8	<50.3 50.3	66.8 50.0	<50.3 50.3	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8	<50.3 50.3	<50.0 50.0	<50.3 50.3	<50.2 50.2
Total TPH		<50.0 50.0	<49.8 49.8	<50.3 50.3	66.8 50.0	<50.3 50.3	<50.2 50.2

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 677178

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

11.11.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.11.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **677178**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 677178. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 677178 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Jessica Kramer'.

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 677178

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CWSW-5	S	11.04.2020 10:55	3.0 ft	677178-001
CWSE-5	S	11.04.2020 12:50	3.0 ft	677178-002
CWSE-6	S	11.04.2020 15:10	3.0 ft	677178-003
CFS-6	S	11.05.2020 10:35	6.0 ft	677178-004
CWSW-6	S	11.05.2020 10:55	3.0 ft	677178-005
CFS-7	S	11.05.2020 15:30	7.0 ft	677178-006



CASE NARRATIVE

Client Name: SDR Enterprise

Project Name: Solaris- Lobo to Eddy State ARV Release

Project ID: 1000ENV
Work Order Number(s): 677178

Report Date: 11.11.2020
Date Received: 11.06.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-5** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-001 Date Collected: 11.04.2020 10:55 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 14:31 % Moisture:
 Seq Number: 3141793 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	121	49.5	mg/kg	11.09.2020 16:33		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.09.2020 13:00 % Moisture:
 Seq Number: 3141879 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.09.2020 17:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.09.2020 17:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.09.2020 17:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.09.2020 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.09.2020 17:01	
o-Terphenyl	84-15-1	111	%	70-135	11.09.2020 17:01	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-5** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-001 Date Collected: 11.04.2020 10:55 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 10:11 % Moisture:
 Seq Number: 3141941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.09.2020 14:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.09.2020 14:56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.09.2020 14:56		
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.09.2020 14:56		



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-5** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-002 Date Collected: 11.04.2020 12:50 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 14:31 % Moisture:
 Seq Number: 3141793 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	97.2	50.1	mg/kg	11.09.2020 16:50		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.09.2020 13:00 % Moisture:
 Seq Number: 3141879 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.10.2020 08:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.10.2020 08:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.10.2020 08:09	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.10.2020 08:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.10.2020 08:09	
o-Terphenyl	84-15-1	114	%	70-135	11.10.2020 08:09	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-6 **Matrix:** Soil **Date Received:** 11.06.2020 15:37
Lab Sample Id: 677178-003 **Date Collected:** 11.04.2020 15:10 **Sample Depth:** 3.0 ft
Analytical Method: Chloride by EPA 300 **Prep Method:** E300P
Tech: MAB **Date Prep:** 11.09.2020 14:31 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3141793

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.3	9.94	mg/kg	11.09.2020 16:55		1

Analytical Method: TPH By SW8015 Mod **Prep Method:** SW8015P
Tech: MAB **Date Prep:** 11.09.2020 13:00 **% Moisture:**
Analyst: CAC **Basis:** Wet Weight
Seq Number: 3141879

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.10.2020 08:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.10.2020 08:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.10.2020 08:29	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.10.2020 08:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.10.2020 08:29	
o-Terphenyl	84-15-1	110	%	70-135	11.10.2020 08:29	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-6** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-003 Date Collected: 11.04.2020 15:10 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 10:11 % Moisture:
 Seq Number: 3141941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.09.2020 15:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.09.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.09.2020 15:41	
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.09.2020 15:41	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-6** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-004 Date Collected: 11.05.2020 10:35 Sample Depth: 6.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 14:31 % Moisture:
 Seq Number: 3141793 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	292	49.7	mg/kg	11.09.2020 17:12		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.09.2020 13:00 % Moisture:
 Seq Number: 3141879 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.10.2020 08:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	66.8	50.0	mg/kg	11.10.2020 08:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.10.2020 08:49	U	1
Total TPH	PHC635	66.8	50.0	mg/kg	11.10.2020 08:49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.10.2020 08:49	
o-Terphenyl	84-15-1	104	%	70-135	11.10.2020 08:49	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-6** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-005 Date Collected: 11.05.2020 10:55 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 14:31 % Moisture:
 Seq Number: 3141793 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	11.09.2020 17:17	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.09.2020 13:00 % Moisture:
 Seq Number: 3141879 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.10.2020 09:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.10.2020 09:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.10.2020 09:09	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.10.2020 09:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.10.2020 09:09	
o-Terphenyl	84-15-1	106	%	70-135	11.10.2020 09:09	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-6** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-005 Date Collected: 11.05.2020 10:55 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 10:11 % Moisture:
 Seq Number: 3141941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.09.2020 16:26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.09.2020 16:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.09.2020 16:26	
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.09.2020 16:26	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-7** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-006 Date Collected: 11.05.2020 15:30 Sample Depth: 7.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 14:31 % Moisture:
 Seq Number: 3141793 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	342	50.3	mg/kg	11.09.2020 17:23		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.09.2020 13:00 % Moisture:
 Seq Number: 3141879 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.10.2020 09:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.10.2020 09:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.10.2020 09:29	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.10.2020 09:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.10.2020 09:29	
o-Terphenyl	84-15-1	122	%	70-135	11.10.2020 09:29	



Certificate of Analytical Results 677178

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-7** Matrix: Soil Date Received: 11.06.2020 15:37
 Lab Sample Id: 677178-006 Date Collected: 11.05.2020 15:30 Sample Depth: 7.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.09.2020 10:11 % Moisture:
 Seq Number: 3141941 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.09.2020 16:48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.09.2020 16:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.09.2020 16:48	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.09.2020 16:48	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3141793
MB Sample Id: 7714798-1-BLK

Matrix: Solid
LCS Sample Id: 7714798-1-BKS

Prep Method: E300P
Date Prep: 11.09.2020
LCSD Sample Id: 7714798-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	249	100	245	98	90-110	2	20	mg/kg	11.09.2020 15:06	

Analytical Method: Chloride by EPA 300

Seq Number: 3141793
Parent Sample Id: 677168-001

Matrix: Soil
MS Sample Id: 677168-001 S

Prep Method: E300P
Date Prep: 11.09.2020
MSD Sample Id: 677168-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18400	198	18600	101	18600	101	90-110	0	20	mg/kg	11.09.2020 15:22	

Analytical Method: Chloride by EPA 300

Seq Number: 3141793
Parent Sample Id: 677178-001

Matrix: Solid
MS Sample Id: 677178-001 S

Prep Method: E300P
Date Prep: 11.09.2020
MSD Sample Id: 677178-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	121	200	319	99	309	95	90-110	3	20	mg/kg	11.09.2020 16:39	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141879
MB Sample Id: 7714832-1-BLK

Matrix: Solid
LCS Sample Id: 7714832-1-BKS

Prep Method: SW8015P
Date Prep: 11.09.2020
LCSD Sample Id: 7714832-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	885	89	914	91	70-135	3	35	mg/kg	11.09.2020 16:20	
Diesel Range Organics (DRO)	<50.0	1000	992	99	1030	103	70-135	4	35	mg/kg	11.09.2020 16:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		105		126		70-135	%	11.09.2020 16:20
o-Terphenyl	97		96		101		70-135	%	11.09.2020 16:20

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141879

Matrix: Solid
MB Sample Id: 7714832-1-BLK

Prep Method: SW8015P
Date Prep: 11.09.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.09.2020 16:00	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141879

Parent Sample Id: 677178-001

Matrix: Soil

MS Sample Id: 677178-001 S

Prep Method: SW8015P

Date Prep: 11.09.2020

MSD Sample Id: 677178-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1130	113	1120	112	70-135	1	35	mg/kg	11.09.2020 17:21	
Diesel Range Organics (DRO)	<50.2	1000	1000	100	1150	115	70-135	14	35	mg/kg	11.09.2020 17:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		122		70-135	%	11.09.2020 17:21
o-Terphenyl	105		104		70-135	%	11.09.2020 17:21

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141941

MB Sample Id: 7714805-1-BLK

Matrix: Solid

LCS Sample Id: 7714805-1-BKS

Prep Method: SW5035A

Date Prep: 11.09.2020

LCSD Sample Id: 7714805-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0968	97	0.0965	97	70-130	0	35	mg/kg	11.09.2020 10:56	
Toluene	<0.00200	0.100	0.0926	93	0.0929	93	70-130	0	35	mg/kg	11.09.2020 10:56	
Ethylbenzene	<0.00200	0.100	0.0962	96	0.0962	96	71-129	0	35	mg/kg	11.09.2020 10:56	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.196	98	70-135	1	35	mg/kg	11.09.2020 10:56	
o-Xylene	<0.00200	0.100	0.0967	97	0.0957	96	71-133	1	35	mg/kg	11.09.2020 10:56	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		102		70-130	%	11.09.2020 10:56
4-Bromofluorobenzene	117		110		113		70-130	%	11.09.2020 10:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141941

Parent Sample Id: 677178-001

Matrix: Soil

MS Sample Id: 677178-001 S

Prep Method: SW5035A

Date Prep: 11.09.2020

MSD Sample Id: 677178-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.109	109	0.106	105	70-130	3	35	mg/kg	11.09.2020 13:36	
Toluene	<0.00200	0.100	0.101	101	0.101	100	70-130	0	35	mg/kg	11.09.2020 13:36	
Ethylbenzene	<0.00200	0.100	0.102	102	0.105	104	71-129	3	35	mg/kg	11.09.2020 13:36	
m,p-Xylenes	<0.00401	0.200	0.209	105	0.213	106	70-135	2	35	mg/kg	11.09.2020 13:36	
o-Xylene	<0.00200	0.100	0.103	103	0.105	104	71-133	2	35	mg/kg	11.09.2020 13:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	11.09.2020 13:36
4-Bromofluorobenzene	112		105		70-130	%	11.09.2020 13:36

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



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

Chain of Custody

Work Order No: 6079178

www.xenco.com Page 1 of 1

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 636-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADaPT Other: _____

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM				
Sampler's Name:	J.Ferguson				
PO #:					

SAMPLE RECEIPT
 Samples Received Intact: Yes No Thermometer ID: 1116100
 Cooler Custody Seals: Yes No Correction Factor: 0.9
 Sample Custody Seals: Yes No Temperature Reading: 3.4/3.0/2
 Total Containers: 6 Corrected Temperature: 3.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes
CWSW-5	S	11/4/20	1055	30'	Comp	1	BTEX 8021B	None: NO Cool: Cool HCL: HC H2SO4: H2 H3PO4: HP NaHSO4: NABIS Na2S2O8: NASO3 Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CWSW-5	S	11/4/20	1250	30'	Comp	1	TPH (GRO+DRO+MRO) 8015M	
CWSW-6	S	11/4/20	1510	30'	Comp	1	Chloride EPA 300.0	
CWSW-6	S	11/5/20	1035	6.0'	Comp	1		
CWSW-6	S	11/5/20	1055	3.0'	Comp	1		
CWSW-6	S	11/5/20	1530	7.0'	Comp	1		
Temp Blank								

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010. 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/4/20 1537			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.06.2020 03.37.00 PM

Work Order #: 677178

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.2	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.06.2020
 Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.10.2020
 Jessica Kramer



Certificate of Analysis Summary 677299

SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.09.2020 17:00
Report Date: 11.12.2020 09:27
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677299-002		677299-003		677299-004		677299-005		677299-006	
	<i>Field Id:</i>	CFS-8		CWSE-7		CWSW-7		CWSW-8		CWSE-8	
	<i>Depth:</i>	6- ft		3- ft		3- ft		3- ft		3- ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	11.09.2020 13:20		11.09.2020 13:25		11.09.2020 13:30		11.09.2020 13:45		11.09.2020 15:40	
BTEX by EPA 8021B	<i>Extracted:</i>	11.10.2020 13:01		11.10.2020 13:01		11.10.2020 13:01		11.10.2020 13:01		11.10.2020 13:01	
	<i>Analyzed:</i>	11.10.2020 17:08		11.10.2020 17:31		11.10.2020 17:53		11.10.2020 18:15		11.10.2020 18:38	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
	Benzene	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
	Toluene	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
	Ethylbenzene	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
	m,p-Xylenes	<0.00401	0.00401	<0.00403	0.00403	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402
	o-Xylene	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
Total Xylenes	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	
Total BTEX	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	
Chloride by EPA 300	<i>Extracted:</i>	11.10.2020 14:05		11.10.2020 14:05		11.10.2020 14:05		11.10.2020 14:05		11.10.2020 14:05	
	<i>Analyzed:</i>	11.10.2020 16:24		11.10.2020 16:40		11.10.2020 16:45		11.10.2020 16:51		11.10.2020 16:56	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	483	49.8	46.8	10.0	<9.90	9.90	<9.92	9.92	11.2	10.1	
TPH By SW8015 Mod	<i>Extracted:</i>	11.10.2020 13:00		11.10.2020 13:00		11.10.2020 13:00		11.10.2020 13:00		11.10.2020 13:00	
	<i>Analyzed:</i>	11.10.2020 16:18		11.10.2020 17:20		11.10.2020 17:41		11.10.2020 18:02		11.10.2020 18:23	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
	Gasoline Range Hydrocarbons (GRO)	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.1	50.1
	Diesel Range Organics (DRO)	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.1	50.1
	Motor Oil Range Hydrocarbons (MRO)	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.1	50.1
Total TPH	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.1	50.1	

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 677299

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

11.12.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.12.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **677299**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 677299. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 677299 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 677299

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CFS-8	S	11.09.2020 13:20	6 ft	677299-002
CWSE-7	S	11.09.2020 13:25	3 ft	677299-003
CWSW-7	S	11.09.2020 13:30	3 ft	677299-004
CWSW-8	S	11.09.2020 13:45	3 ft	677299-005
CWSE-8	S	11.09.2020 15:40	3 ft	677299-006
CFS-7	S	11.09.2020 12:10	6 ft	Not Analyzed



CASE NARRATIVE

Client Name: *SDR Enterprise*

Project Name: *Solaris- Lobo to Eddy State ARV Release*

Project ID: *1000ENV*
Work Order Number(s): *677299*

Report Date: *11.12.2020*
Date Received: *11.09.2020*

Sample receipt non conformances and comments:

V1.001 Revision - sample depths added to report

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-8** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-002 Date Collected: 11.09.2020 13:20 Sample Depth: 6 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 14:05 % Moisture:
 Seq Number: 3141921 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	483	49.8	mg/kg	11.10.2020 16:24		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.10.2020 13:00 % Moisture:
 Seq Number: 3141919 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.10.2020 16:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.10.2020 16:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.10.2020 16:18	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.10.2020 16:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	11.10.2020 16:18	
o-Terphenyl	84-15-1	98	%	70-135	11.10.2020 16:18	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-8 **Matrix:** Soil **Date Received:** 11.09.2020 17:00
Lab Sample Id: 677299-002 **Date Collected:** 11.09.2020 13:20 **Sample Depth:** 6 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.10.2020 13:01 **Basis:** Wet Weight
Seq Number: 3141914

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.10.2020 17:08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.10.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.10.2020 17:08	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.10.2020 17:08	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-7** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-003 Date Collected: 11.09.2020 13:25 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 14:05 % Moisture:
 Seq Number: 3141921 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	46.8	10.0	mg/kg	11.11.2020 11:25		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.10.2020 13:00 % Moisture:
 Seq Number: 3141919 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.10.2020 17:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.10.2020 17:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.10.2020 17:20	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.10.2020 17:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.10.2020 17:20	
o-Terphenyl	84-15-1	118	%	70-135	11.10.2020 17:20	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-7 **Matrix:** Soil **Date Received:** 11.09.2020 17:00
Lab Sample Id: 677299-003 **Date Collected:** 11.09.2020 13:25 **Sample Depth:** 3 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.10.2020 13:01 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3141914

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.10.2020 17:31	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.10.2020 17:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.10.2020 17:31	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.10.2020 17:31	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-7** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-004 Date Collected: 11.09.2020 13:30 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 14:05 % Moisture:
 Seq Number: 3141921 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.90	9.90	mg/kg	11.11.2020 11:31	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.10.2020 13:00 % Moisture:
 Seq Number: 3141919 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.10.2020 17:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.10.2020 17:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.10.2020 17:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.10.2020 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	11.10.2020 17:41	
o-Terphenyl	84-15-1	118	%	70-135	11.10.2020 17:41	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-7** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-004 Date Collected: 11.09.2020 13:30 Sample Depth: 3 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 13:01 % Moisture:
 Seq Number: 3141914 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.10.2020 17:53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.10.2020 17:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.10.2020 17:53	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.10.2020 17:53	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-8** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-005 Date Collected: 11.09.2020 13:45 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 14:05 % Moisture:
 Seq Number: 3141921 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	11.11.2020 11:36	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.10.2020 13:00 % Moisture:
 Seq Number: 3141919 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.10.2020 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.10.2020 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.10.2020 18:02	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.10.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.10.2020 18:02	
o-Terphenyl	84-15-1	96	%	70-135	11.10.2020 18:02	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-8 **Matrix:** Soil **Date Received:** 11.09.2020 17:00
Lab Sample Id: 677299-005 **Date Collected:** 11.09.2020 13:45 **Sample Depth:** 3 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.10.2020 13:01 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3141914

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.10.2020 18:15	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.10.2020 18:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	11.10.2020 18:15	
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.10.2020 18:15	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-8** Matrix: Soil Date Received: 11.09.2020 17:00
 Lab Sample Id: 677299-006 Date Collected: 11.09.2020 15:40 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.10.2020 14:05 % Moisture:
 Seq Number: 3141921 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.2	10.1	mg/kg	11.10.2020 16:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.10.2020 13:00 % Moisture:
 Seq Number: 3141919 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.10.2020 18:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.10.2020 18:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.10.2020 18:23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.10.2020 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	11.10.2020 18:23	
o-Terphenyl	84-15-1	94	%	70-135	11.10.2020 18:23	



Certificate of Analytical Results 677299

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-8 **Matrix:** Soil **Date Received:** 11.09.2020 17:00
Lab Sample Id: 677299-006 **Date Collected:** 11.09.2020 15:40 **Sample Depth:** 3 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.10.2020 13:01 **Basis:** Wet Weight
Seq Number: 3141914

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.10.2020 18:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.10.2020 18:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	11.10.2020 18:38	
1,4-Difluorobenzene	540-36-3	112	%	70-130	11.10.2020 18:38	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3141921
MB Sample Id: 7714902-1-BLK

Matrix: Solid
LCS Sample Id: 7714902-1-BKS

Prep Method: E300P
Date Prep: 11.10.2020
LCSD Sample Id: 7714902-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	247	99	90-110	2	20	mg/kg	11.10.2020 16:13	

Analytical Method: Chloride by EPA 300

Seq Number: 3141921
Parent Sample Id: 677299-002

Matrix: Soil
MS Sample Id: 677299-002 S

Prep Method: E300P
Date Prep: 11.10.2020
MSD Sample Id: 677299-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	483	200	685	101	686	101	90-110	0	20	mg/kg	11.10.2020 16:29	

Analytical Method: Chloride by EPA 300

Seq Number: 3141921
Parent Sample Id: 677372-003

Matrix: Soil
MS Sample Id: 677372-003 S

Prep Method: E300P
Date Prep: 11.10.2020
MSD Sample Id: 677372-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	17400	200	17600	100	17600	100	90-110	0	20	mg/kg	11.10.2020 17:57	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141919
MB Sample Id: 7714921-1-BLK

Matrix: Solid
LCS Sample Id: 7714921-1-BKS

Prep Method: SW8015P
Date Prep: 11.10.2020
LCSD Sample Id: 7714921-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1110	111	1160	116	70-135	4	35	mg/kg	11.10.2020 15:36	
Diesel Range Organics (DRO)	<50.0	1000	1230	123	1330	133	70-135	8	35	mg/kg	11.10.2020 15:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		130		129		70-135	%	11.10.2020 15:36
o-Terphenyl	120		119		130		70-135	%	11.10.2020 15:36

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141919

Matrix: Solid
MB Sample Id: 7714921-1-BLK

Prep Method: SW8015P
Date Prep: 11.10.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.10.2020 15:14	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141919

Parent Sample Id: 677299-002

Matrix: Soil

MS Sample Id: 677299-002 S

Prep Method: SW8015P

Date Prep: 11.10.2020

MSD Sample Id: 677299-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	992	99	895	90	70-135	10	35	mg/kg	11.10.2020 16:39	
Diesel Range Organics (DRO)	<50.1	1000	1130	113	1040	105	70-135	8	35	mg/kg	11.10.2020 16:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		104		70-135	%	11.10.2020 16:39
o-Terphenyl	90		108		70-135	%	11.10.2020 16:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141914

MB Sample Id: 7714901-1-BLK

Matrix: Solid

LCS Sample Id: 7714901-1-BKS

Prep Method: SW5035A

Date Prep: 11.10.2020

LCSD Sample Id: 7714901-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0955	96	0.0977	98	70-130	2	35	mg/kg	11.10.2020 15:04	
Toluene	<0.00200	0.100	0.0906	91	0.0902	90	70-130	0	35	mg/kg	11.10.2020 15:04	
Ethylbenzene	<0.00200	0.100	0.0934	93	0.0939	94	71-129	1	35	mg/kg	11.10.2020 15:04	
m,p-Xylenes	<0.00400	0.200	0.195	98	0.192	96	70-135	2	35	mg/kg	11.10.2020 15:04	
o-Xylene	<0.00200	0.100	0.0941	94	0.0949	95	71-133	1	35	mg/kg	11.10.2020 15:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		99		101		70-130	%	11.10.2020 15:04
4-Bromofluorobenzene	112		107		110		70-130	%	11.10.2020 15:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141914

Parent Sample Id: 677299-002

Matrix: Soil

MS Sample Id: 677299-002 S

Prep Method: SW5035A

Date Prep: 11.10.2020

MSD Sample Id: 677299-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.112	111	0.108	108	70-130	4	35	mg/kg	11.10.2020 15:48	
Toluene	<0.00201	0.101	0.106	105	0.102	102	70-130	4	35	mg/kg	11.10.2020 15:48	
Ethylbenzene	<0.00201	0.101	0.110	109	0.106	106	71-129	4	35	mg/kg	11.10.2020 15:48	
m,p-Xylenes	<0.00402	0.201	0.221	110	0.214	107	70-135	3	35	mg/kg	11.10.2020 15:48	
o-Xylene	<0.00201	0.101	0.111	110	0.107	107	71-133	4	35	mg/kg	11.10.2020 15:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		101		70-130	%	11.10.2020 15:48
4-Bromofluorobenzene	112		112		70-130	%	11.10.2020 15:48

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Environment Testing
Xenco

Chain of Custody

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

Work Order No: 1077299

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jferguson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J. Ferguson	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Parameters	
PO #:		Thermometer ID:	TMM007		
SAMPLE RECEIPT		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.2		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	3.6		
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	3.4		
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Sample Comments					
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0														
CF-3-7	S	11/9/20	1210	6.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
CF-5-8	S	11/9/20	1320	6.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
CMSE-7	S	11/9/20	1325	3.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
CMSE-7	S	11/9/20	1330	3.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
CMSE-8	S	11/9/20	1345	3.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
CMSE-8	S	11/9/20	1540	3.0'	6.0'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Temp Blank																							QA/QC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr TI Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/9/20 1700			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.09.2020 05.00.00 PM

Work Order #: 677299

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.09.2020
Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.10.2020
Jessica Kramer

Certificate of Analysis Summary 677883

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677883-001	677883-002	677883-003	677883-004	677883-005	677883-006
	<i>Field Id:</i>	CFS-9	CWSW-9	CWSE-9	CWSE-10	CWSW-10	CFS-10
	<i>Depth:</i>	1.5- ft	1.0- ft	1.0- ft	1.0- ft	1.0- ft	1.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.10.2020 11:50	11.10.2020 14:10	11.10.2020 14:45	11.11.2020 10:20	11.11.2020 10:25	11.11.2020 10:30
BTEX by EPA 8021B	<i>Extracted:</i>	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:40
	<i>Analyzed:</i>	11.14.2020 06:53	11.14.2020 08:12	11.14.2020 08:35	11.14.2020 08:57	11.14.2020 09:20	11.14.2020 09:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Toluene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Ethylbenzene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
m,p-Xylenes		<0.00404 0.00404	<0.00403 0.00403	<0.00403 0.00403	<0.00399 0.00399	<0.00402 0.00402	<0.00399 0.00399
o-Xylene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Total Xylenes		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Total BTEX		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02
	<i>Analyzed:</i>	11.14.2020 00:05	11.14.2020 00:10	11.14.2020 00:16	11.14.2020 00:21	11.14.2020 00:27	11.14.2020 00:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2010 198	69.0 49.9	<9.96 9.96	32.5 9.92	109 50.4	1460 198
TPH By SW8015 Mod	<i>Extracted:</i>	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00
	<i>Analyzed:</i>	11.14.2020 03:01	11.14.2020 03:41	11.14.2020 04:01	11.14.2020 04:21	11.14.2020 04:41	11.14.2020 05:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<49.9 49.9	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.9 49.9
Diesel Range Organics (DRO)		<49.8 49.8	<49.9 49.9	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<49.9 49.9	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.9 49.9
Total TPH		<49.8 49.8	<49.9 49.9	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.9 49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 677883

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677883-007	677883-008	677883-009	677883-010	677883-011	677883-012
	<i>Field Id:</i>	CWSW-11	CWSE-11	CFS-11	CWSE-12	CFS-12	CWSW-12
	<i>Depth:</i>	1.0- ft	1.0- ft	1.5- ft	1.0- ft	1.5- ft	1.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.11.2020 11:00	11.11.2020 11:05	11.11.2020 11:10	11.11.2020 11:45	11.11.2020 11:50	11.11.2020 12:55
BTEX by EPA 8021B	<i>Extracted:</i>	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:40	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45
	<i>Analyzed:</i>	11.14.2020 10:05	11.14.2020 10:27	11.14.2020 10:49	11.14.2020 09:40	11.14.2020 10:03	11.14.2020 10:25
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00402 0.00402	<0.00399 0.00399	<0.00400 0.00400	<0.00401 0.00401	<0.00403 0.00403	<0.00399 0.00399
o-Xylene		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Total BTEX		<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02	11.13.2020 17:02
	<i>Analyzed:</i>	11.14.2020 00:48	11.14.2020 00:54	11.14.2020 01:10	11.14.2020 01:16	11.14.2020 01:21	11.14.2020 01:27
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		56.9 50.5	71.4 49.6	1530 D 99.8	<10.0 10.0	1250 D 99.2	184 49.8
TPH By SW8015 Mod	<i>Extracted:</i>	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:00	11.13.2020 17:03
	<i>Analyzed:</i>	11.14.2020 05:22	11.14.2020 05:42	11.14.2020 06:02	11.14.2020 06:22	11.14.2020 06:42	11.14.2020 03:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.1 50.1	<50.3 50.3	<49.8 49.8	<49.9 49.9	<50.2 50.2
Diesel Range Organics (DRO)		<50.2 50.2	<50.1 50.1	<50.3 50.3	<49.8 49.8	<49.9 49.9	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.1 50.1	<50.3 50.3	<49.8 49.8	<49.9 49.9	<50.2 50.2
Total TPH		<50.2 50.2	<50.1 50.1	<50.3 50.3	<49.8 49.8	<49.9 49.9	<50.2 50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 677883

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677883-013	677883-014	677883-015	677883-016	677883-017	677883-018
	<i>Field Id:</i>	CWSE-13	CFS-13	CFS-14	CWSE-14	CWSW-13	CWSW-14
	<i>Depth:</i>	1.0- ft	2.0- ft	2.0- ft	1.0- ft	1.0- ft	1.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.11.2020 13:15	11.11.2020 13:20	11.11.2020 14:50	11.11.2020 15:05	11.11.2020 15:20	11.11.2020 15:30
BTEX by EPA 8021B	<i>Extracted:</i>	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45
	<i>Analyzed:</i>	11.14.2020 10:47	11.14.2020 11:10	11.14.2020 11:32	11.14.2020 11:54	11.14.2020 12:17	11.14.2020 12:39
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00398 0.00398	<0.00397 0.00397	<0.00398 0.00398	<0.00399 0.00399
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	11.13.2020 17:02	11.13.2020 17:02	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34
	<i>Analyzed:</i>	11.14.2020 01:32	11.14.2020 01:38	11.16.2020 10:47	11.16.2020 11:09	11.16.2020 11:15	11.16.2020 11:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		28.3 9.98	1300 D 200	2170 198	10.1 10.1	18.0 10.1	129 50.1
TPH By SW8015 Mod	<i>Extracted:</i>	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03
	<i>Analyzed:</i>	11.14.2020 03:41	11.14.2020 04:01	11.14.2020 04:21	11.14.2020 04:41	11.14.2020 05:02	11.14.2020 05:22
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.3 50.3	<50.0 50.0
Diesel Range Organics (DRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.3 50.3	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.3 50.3	<50.0 50.0
Total TPH		<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.3 50.3	<50.0 50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 677883



SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677883-019	677883-020	677883-021	677883-022	677883-023	677883-024
	<i>Field Id:</i>	CWSE-15	CWSW-15	CFS-15	CFS-15	CFS-15	CFS-16
	<i>Depth:</i>	1.0- ft	1.0- ft	1.2.0- ft	4.0- ft	6.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.12.2020 10:10	11.12.2020 10:50	11.12.2020 10:55	11.12.2020 11:25	11.12.2020 11:30	11.12.2020 12:05
BTEX by EPA 8021B	<i>Extracted:</i>	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45	11.13.2020 16:45
	<i>Analyzed:</i>	11.14.2020 13:02	11.14.2020 14:19	11.14.2020 14:42	11.14.2020 15:04	11.14.2020 15:27	11.14.2020 15:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00404 0.00404	<0.00404 0.00404	<0.00404 0.00404	<0.00401 0.00401	<0.00403 0.00403	<0.00399 0.00399
o-Xylene		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Total BTEX		<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34
	<i>Analyzed:</i>	11.16.2020 11:44	11.16.2020 12:24	11.16.2020 12:29	11.16.2020 12:35	11.16.2020 12:40	11.16.2020 12:46
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		61.0 49.6	88.4 50.2	1420 49.5	1360 50.2	1830 198	1590 200
TPH By SW8015 Mod	<i>Extracted:</i>	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03	11.13.2020 17:03	11.17.2020 10:00	11.17.2020 10:00
	<i>Analyzed:</i>	11.14.2020 05:42	11.14.2020 06:02	11.14.2020 06:22	11.14.2020 06:42	11.17.2020 12:08	11.17.2020 13:08
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.2 50.2	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.2 50.2	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.2 50.2	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0
Total TPH		<50.0 50.0	<50.2 50.2	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 677883

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	677883-025	677883-026	677883-027	677883-028	677883-029	677883-030
	<i>Field Id:</i>	CFS-15	CWSE-16	CWSW-16	CFS-17	CWSW-17	CWSE-17
	<i>Depth:</i>	8.0- ft	1.0- ft	1.5- ft	2.5- ft	1.5- ft	1.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.12.2020 13:20	11.12.2020 14:20	11.12.2020 15:15	11.13.2020 09:55	11.13.2020 11:40	11.13.2020 11:45
BTEX by EPA 8021B	<i>Extracted:</i>	11.13.2020 16:45	11.13.2020 16:45	11.17.2020 14:00	11.13.2020 16:45	11.13.2020 16:45	11.17.2020 14:00
	<i>Analyzed:</i>	11.14.2020 16:11	11.14.2020 16:34	11.17.2020 23:38	11.14.2020 17:18	11.14.2020 17:41	11.18.2020 00:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00400 0.00400	<0.00402 0.00402	<0.00402 0.00402	<0.00402 0.00402	<0.00400 0.00400
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34	11.14.2020 16:34
	<i>Analyzed:</i>	11.16.2020 13:02	11.16.2020 13:19	11.16.2020 13:24	11.16.2020 13:41	11.16.2020 13:46	11.16.2020 13:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1410 198	430 49.6	204 50.4	1450 199	408 49.5	54.9 49.8
TPH By SW8015 Mod	<i>Extracted:</i>	11.17.2020 10:00	11.17.2020 10:00	11.17.2020 10:00	11.17.2020 10:00	11.17.2020 10:00	11.17.2020 10:00
	<i>Analyzed:</i>	11.17.2020 13:28	11.17.2020 13:48	11.17.2020 14:09	11.17.2020 12:08	11.17.2020 13:08	11.17.2020 13:28
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.3 50.3	<50.0 50.0
Diesel Range Organics (DRO)		<50.1 50.1	<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.3 50.3	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.3 50.3	<50.0 50.0
Total TPH		<50.1 50.1	<49.8 49.8	<50.2 50.2	<50.2 50.2	<50.3 50.3	<50.0 50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 677883

SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.13.2020 15:10
Report Date: 11.23.2020 12:18
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	677883-031	677883-032				
	Field Id:	CFS-18	CWSE-18				
	Depth:	2.5- ft	1.5-				
	Matrix:	SOIL	SOIL				
	Sampled:	11.13.2020 12:15	11.13.2020 13:45				
BTEX by EPA 8021B	Extracted:	11.17.2020 14:00	11.17.2020 14:00				
	Analyzed:	11.18.2020 00:22	11.18.2020 00:45				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00199 0.00199				
Toluene		<0.00200 0.00200	<0.00199 0.00199				
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199				
m,p-Xylenes		<0.00399 0.00399	<0.00398 0.00398				
o-Xylene		<0.00200 0.00200	<0.00199 0.00199				
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199				
Total BTEX		<0.00200 0.00200	<0.00199 0.00199				
Chloride by EPA 300	Extracted:	11.14.2020 16:34	11.14.2020 16:34				
	Analyzed:	11.16.2020 13:57	11.16.2020 14:02				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		1800 200	82.6 49.8				
Chloride by EPA 300	Extracted:		11.14.2020 16:34				
	Analyzed:		11.16.2020 14:08				
	Units/RL:		mg/kg RL				
Chloride			162 49.8				
TPH By SW8015 Mod	Extracted:	11.17.2020 10:00	11.17.2020 10:00				
	Analyzed:	11.17.2020 13:48	11.17.2020 14:09				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.8 49.8				
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8				
Total TPH		<50.0 50.0	<49.8 49.8				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 677883

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

11.23.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.23.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **677883**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 677883. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 677883 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 677883

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CFS-9	S	11.10.2020 11:50	1.5 ft	677883-001
CWSW-9	S	11.10.2020 14:10	1.0 ft	677883-002
CWSE-9	S	11.10.2020 14:45	1.0 ft	677883-003
CWSE-10	S	11.11.2020 10:20	1.0 ft	677883-004
CWSW-10	S	11.11.2020 10:25	1.0 ft	677883-005
CFS-10	S	11.11.2020 10:30	1.5 ft	677883-006
CWSW-11	S	11.11.2020 11:00	1.0 ft	677883-007
CWSE-11	S	11.11.2020 11:05	1.0 ft	677883-008
CFS-11	S	11.11.2020 11:10	1.5 ft	677883-009
CWSE-12	S	11.11.2020 11:45	1.0 ft	677883-010
CFS-12	S	11.11.2020 11:50	1.5 ft	677883-011
CWSW-12	S	11.11.2020 12:55	1.0 ft	677883-012
CWSE-13	S	11.11.2020 13:15	1.0 ft	677883-013
CFS-13	S	11.11.2020 13:20	2.0 ft	677883-014
CFS-14	S	11.11.2020 14:50	2.0 ft	677883-015
CWSE-14	S	11.11.2020 15:05	1.0 ft	677883-016
CWSW-13	S	11.11.2020 15:20	1.0 ft	677883-017
CWSW-14	S	11.11.2020 15:30	1.0 ft	677883-018
CWSE-15	S	11.12.2020 10:10	1.0 ft	677883-019
CWSW-15	S	11.12.2020 10:50	1.0 ft	677883-020
CFS-15	S	11.12.2020 10:55	1.2.0 ft	677883-021
CFS-15	S	11.12.2020 11:25	4.0 ft	677883-022
CFS-15	S	11.12.2020 11:30	6.0 ft	677883-023
CFS-16	S	11.12.2020 12:05	2.0 ft	677883-024
CFS-15	S	11.12.2020 13:20	8.0 ft	677883-025
CWSE-16	S	11.12.2020 14:20	1.0 ft	677883-026
CWSW-16	S	11.12.2020 15:15	1.5 ft	677883-027
CFS-17	S	11.13.2020 09:55	2.5 ft	677883-028
CWSW-17	S	11.13.2020 11:40	1.5 ft	677883-029
CWSE-17	S	11.13.2020 11:45	1.5 ft	677883-030
CFS-18	S	11.13.2020 12:15	2.5 ft	677883-031
CWSE-18	S	11.13.2020 13:45	1.5	677883-032



CASE NARRATIVE

Client Name: *SDR Enterprise*

Project Name: *Solaris- Lobo to Eddy State ARV Release*

Project ID: *1000ENV*
Work Order Number(s): *677883*

Report Date: *11.23.2020*
Date Received: *11.13.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-9** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-001 Date Collected: 11.10.2020 11:50 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2010	198	mg/kg	11.14.2020 00:05		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.14.2020 03:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.14.2020 03:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.14.2020 03:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.14.2020 03:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.14.2020 03:01	
o-Terphenyl	84-15-1	112	%	70-135	11.14.2020 03:01	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-9 **Matrix:** Soil **Date Received:** 11.13.2020 15:10
Lab Sample Id: 677883-001 **Date Collected:** 11.10.2020 11:50 **Sample Depth:** 1.5 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.13.2020 16:40 **Basis:** Wet Weight
Seq Number: 3142323

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 06:53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 06:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.14.2020 06:53	
4-Bromofluorobenzene	460-00-4	109	%	70-130	11.14.2020 06:53	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-9** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-002 Date Collected: 11.10.2020 14:10 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	69.0	49.9	mg/kg	11.14.2020 00:10		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 03:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 03:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 03:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 03:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.14.2020 03:41	
o-Terphenyl	84-15-1	102	%	70-135	11.14.2020 03:41	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-9	Matrix: Soil	Date Received: 11.13.2020 15:10
Lab Sample Id: 677883-002	Date Collected: 11.10.2020 14:10	Sample Depth: 1.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.13.2020 16:40	Basis: Wet Weight
Seq Number: 3142323		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.14.2020 08:12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 08:12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.14.2020 08:12		
4-Bromofluorobenzene	460-00-4	124	%	70-130	11.14.2020 08:12		



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-9 **Matrix:** Soil **Date Received:** 11.13.2020 15:10
Lab Sample Id: 677883-003 **Date Collected:** 11.10.2020 14:45 **Sample Depth:** 1.0 ft
Analytical Method: Chloride by EPA 300 **Prep Method:** E300P
Tech: MAB **Date Prep:** 11.13.2020 17:02 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3142338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	11.14.2020 00:16	U	1

Analytical Method: TPH By SW8015 Mod **Prep Method:** SW8015P
Tech: MAB **Date Prep:** 11.13.2020 17:00 **% Moisture:**
Analyst: CAC **Basis:** Wet Weight
Seq Number: 3142313

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.14.2020 04:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.14.2020 04:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.14.2020 04:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.14.2020 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	11.14.2020 04:01	
o-Terphenyl	84-15-1	110	%	70-135	11.14.2020 04:01	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-9**
Lab Sample Id: 677883-003

Matrix: Soil
Date Collected: 11.10.2020 14:45

Date Received: 11.13.2020 15:10
Sample Depth: 1.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.13.2020 16:40

% Moisture:
Basis: Wet Weight

Seq Number: 3142323

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.14.2020 08:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 08:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 08:35	
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.14.2020 08:35	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-10** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-004 Date Collected: 11.11.2020 10:20 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	32.5	9.92	mg/kg	11.14.2020 00:21		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.14.2020 04:21	
o-Terphenyl	84-15-1	116	%	70-135	11.14.2020 04:21	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-10	Matrix: Soil	Date Received: 11.13.2020 15:10
Lab Sample Id: 677883-004	Date Collected: 11.11.2020 10:20	Sample Depth: 1.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.13.2020 16:40	Basis: Wet Weight
Seq Number: 3142323		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 08:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 08:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.14.2020 08:57	
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.14.2020 08:57	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-10** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-005 Date Collected: 11.11.2020 10:25 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	50.4	mg/kg	11.14.2020 00:27		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.14.2020 04:41	
o-Terphenyl	84-15-1	118	%	70-135	11.14.2020 04:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-10** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-005 Date Collected: 11.11.2020 10:25 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:40 % Moisture:
 Seq Number: 3142323 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 09:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 09:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 09:20	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.14.2020 09:20	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-10** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-006 Date Collected: 11.11.2020 10:30 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1460	198	mg/kg	11.14.2020 00:32		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 05:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 05:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	11.14.2020 05:02	
o-Terphenyl	84-15-1	98	%	70-135	11.14.2020 05:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-11** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-007 Date Collected: 11.11.2020 11:00 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	56.9	50.5	mg/kg	11.14.2020 00:48		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.14.2020 05:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.14.2020 05:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.14.2020 05:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.14.2020 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.14.2020 05:22	
o-Terphenyl	84-15-1	106	%	70-135	11.14.2020 05:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-11** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-008 Date Collected: 11.11.2020 11:05 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	71.4	49.6	mg/kg	11.14.2020 00:54		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.14.2020 05:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.14.2020 05:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.14.2020 05:42	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.14.2020 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.14.2020 05:42	
o-Terphenyl	84-15-1	112	%	70-135	11.14.2020 05:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-11 **Matrix:** Soil **Date Received:** 11.13.2020 15:10
Lab Sample Id: 677883-008 **Date Collected:** 11.11.2020 11:05 **Sample Depth:** 1.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.13.2020 16:40 **Basis:** Wet Weight
Seq Number: 3142323

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 10:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 10:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	11.14.2020 10:27	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 10:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-11** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-009 Date Collected: 11.11.2020 11:10 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1530	99.8	mg/kg	11.20.2020 09:43	D	10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.14.2020 06:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.14.2020 06:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.14.2020 06:02	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.14.2020 06:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	11.14.2020 06:02	
o-Terphenyl	84-15-1	108	%	70-135	11.14.2020 06:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-11** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-009 Date Collected: 11.11.2020 11:10 Sample Depth: 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:40 % Moisture:
 Seq Number: 3142323 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.14.2020 10:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 10:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.14.2020 10:49	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.14.2020 10:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-12** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-010 Date Collected: 11.11.2020 11:45 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	11.14.2020 01:16	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.14.2020 06:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.14.2020 06:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.14.2020 06:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.14.2020 06:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.14.2020 06:22	
o-Terphenyl	84-15-1	98	%	70-135	11.14.2020 06:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-12** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-010 Date Collected: 11.11.2020 11:45 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.14.2020 09:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 09:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.14.2020 09:40	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 09:40	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-12** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-011 Date Collected: 11.11.2020 11:50 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1250	99.2	mg/kg	11.20.2020 09:27	D	10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.13.2020 17:00 % Moisture:
 Seq Number: 3142313 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 06:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 06:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 06:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 06:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.14.2020 06:42	
o-Terphenyl	84-15-1	116	%	70-135	11.14.2020 06:42	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-12	Matrix: Soil	Date Received: 11.13.2020 15:10
Lab Sample Id: 677883-011	Date Collected: 11.11.2020 11:50	Sample Depth: 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.13.2020 16:45	Basis: Wet Weight
Seq Number: 3142324		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.14.2020 10:03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 10:03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 10:03		
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.14.2020 10:03		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-12** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-012 Date Collected: 11.11.2020 12:55 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	184	49.8	mg/kg	11.14.2020 01:27		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.14.2020 03:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.14.2020 03:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.14.2020 03:01	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.14.2020 03:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.14.2020 03:01	
o-Terphenyl	84-15-1	114	%	70-135	11.14.2020 03:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-12** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-012 Date Collected: 11.11.2020 12:55 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 10:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 10:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 10:25	
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.14.2020 10:25	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-13** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-013 Date Collected: 11.11.2020 13:15 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.3	9.98	mg/kg	11.14.2020 01:32		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.14.2020 03:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.14.2020 03:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.14.2020 03:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.14.2020 03:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.14.2020 03:41	
o-Terphenyl	84-15-1	112	%	70-135	11.14.2020 03:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-13** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-014 Date Collected: 11.11.2020 13:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 17:02 % Moisture:
 Seq Number: 3142338 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1300	200	mg/kg	11.20.2020 10:25	D	20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.14.2020 04:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.14.2020 04:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.14.2020 04:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.14.2020 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	11.14.2020 04:01	
o-Terphenyl	84-15-1	104	%	70-135	11.14.2020 04:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-14** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-015 Date Collected: 11.11.2020 14:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2170	198	mg/kg	11.16.2020 10:47		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 04:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.14.2020 04:21	
o-Terphenyl	84-15-1	122	%	70-135	11.14.2020 04:21	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-14** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-016 Date Collected: 11.11.2020 15:05 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.1	10.1	mg/kg	11.16.2020 11:09		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.14.2020 04:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.14.2020 04:41	
o-Terphenyl	84-15-1	96	%	70-135	11.14.2020 04:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-13** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-017 Date Collected: 11.11.2020 15:20 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.0	10.1	mg/kg	11.16.2020 11:15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.14.2020 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.14.2020 05:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.14.2020 05:02	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.14.2020 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.14.2020 05:02	
o-Terphenyl	84-15-1	108	%	70-135	11.14.2020 05:02	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-13**

Matrix: Soil

Date Received: 11.13.2020 15:10

Lab Sample Id: 677883-017

Date Collected: 11.11.2020 15:20

Sample Depth: 1.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.13.2020 16:45

% Moisture:
Basis: Wet Weight

Seq Number: 3142324

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 12:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 12:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.14.2020 12:17		
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 12:17		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-14** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-018 Date Collected: 11.11.2020 15:30 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	129	50.1	mg/kg	11.16.2020 11:20		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.14.2020 05:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.14.2020 05:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.14.2020 05:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.14.2020 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.14.2020 05:22	
o-Terphenyl	84-15-1	112	%	70-135	11.14.2020 05:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-019 Date Collected: 11.12.2020 10:10 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	61.0	49.6	mg/kg	11.16.2020 11:44		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.14.2020 05:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.14.2020 05:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.14.2020 05:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.14.2020 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	11.14.2020 05:42	
o-Terphenyl	84-15-1	98	%	70-135	11.14.2020 05:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-15	Matrix: Soil	Date Received: 11.13.2020 15:10
Lab Sample Id: 677883-020	Date Collected: 11.12.2020 10:50	Sample Depth: 1.0 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: MAB		
Analyst: MAB	Date Prep: 11.14.2020 16:34	% Moisture:
Seq Number: 3142429		Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	88.4	50.2	mg/kg	11.16.2020 12:24		5

Analytical Method: TPH By SW8015 Mod	Prep Method: SW8015P
Tech: CAC	
Analyst: CAC	Date Prep: 11.13.2020 17:03
Seq Number: 3142312	% Moisture:
	Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.14.2020 06:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.14.2020 06:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.14.2020 06:02	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.14.2020 06:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.14.2020 06:02	
o-Terphenyl	84-15-1	114	%	70-135	11.14.2020 06:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-020 Date Collected: 11.12.2020 10:50 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 14:19	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 14:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 14:19	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 14:19	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-021 Date Collected: 11.12.2020 10:55 Sample Depth: 1.2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1420	49.5	mg/kg	11.16.2020 12:29		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.14.2020 06:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.14.2020 06:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.14.2020 06:22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.14.2020 06:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.14.2020 06:22	
o-Terphenyl	84-15-1	90	%	70-135	11.14.2020 06:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-022 Date Collected: 11.12.2020 11:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1360	50.2	mg/kg	11.16.2020 12:35		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: CAC
 Analyst: CAC Date Prep: 11.13.2020 17:03 % Moisture:
 Seq Number: 3142312 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.14.2020 06:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.14.2020 06:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.14.2020 06:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.14.2020 06:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.14.2020 06:42	
o-Terphenyl	84-15-1	104	%	70-135	11.14.2020 06:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-023 Date Collected: 11.12.2020 11:30 Sample Depth: 6.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1830	198	mg/kg	11.16.2020 12:40		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142566 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.17.2020 12:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.17.2020 12:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.17.2020 12:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	11.17.2020 12:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	11.17.2020 12:08	
o-Terphenyl	84-15-1	124	%	70-135	11.17.2020 12:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-16** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-024 Date Collected: 11.12.2020 12:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1590	200	mg/kg	11.16.2020 12:46		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142566 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.17.2020 13:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.17.2020 13:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.17.2020 13:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.17.2020 13:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.17.2020 13:08	
o-Terphenyl	84-15-1	102	%	70-135	11.17.2020 13:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-16	Matrix: Soil	Date Received: 11.13.2020 15:10
Lab Sample Id: 677883-024	Date Collected: 11.12.2020 12:05	Sample Depth: 2.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.13.2020 16:45	Basis: Wet Weight
Seq Number: 3142324		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 15:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 15:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 15:49	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 15:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-025 Date Collected: 11.12.2020 13:20 Sample Depth: 8.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1410	198	mg/kg	11.16.2020 13:02		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142566 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.17.2020 13:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.17.2020 13:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.17.2020 13:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	11.17.2020 13:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.17.2020 13:28	
o-Terphenyl	84-15-1	126	%	70-135	11.17.2020 13:28	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-15** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-025 Date Collected: 11.12.2020 13:20 Sample Depth: 8.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 16:11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 16:11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 16:11		
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 16:11		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-16** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-026 Date Collected: 11.12.2020 14:20 Sample Depth: 1.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	430	49.6	mg/kg	11.16.2020 13:19		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142566 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.17.2020 13:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.17.2020 13:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.17.2020 13:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.17.2020 13:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	11.17.2020 13:48	
o-Terphenyl	84-15-1	94	%	70-135	11.17.2020 13:48	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-16** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-026 Date Collected: 11.12.2020 14:20 Sample Depth: 1.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.14.2020 16:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 16:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 16:34	
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.14.2020 16:34	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-16** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-027 Date Collected: 11.12.2020 15:15 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	204	50.4	mg/kg	11.16.2020 13:24		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142566 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.17.2020 14:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.17.2020 14:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.17.2020 14:09	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.17.2020 14:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.17.2020 14:09	
o-Terphenyl	84-15-1	108	%	70-135	11.17.2020 14:09	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-17** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-028 Date Collected: 11.13.2020 09:55 Sample Depth: 2.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1450	199	mg/kg	11.16.2020 13:41		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142569 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.17.2020 12:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.17.2020 12:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.17.2020 12:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	11.17.2020 12:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.17.2020 12:08	
o-Terphenyl	84-15-1	108	%	70-135	11.17.2020 12:08	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-17** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-028 Date Collected: 11.13.2020 09:55 Sample Depth: 2.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.13.2020 16:45 % Moisture:
 Seq Number: 3142324 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 17:18	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 17:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 17:18	
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 17:18	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-17** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-029 Date Collected: 11.13.2020 11:40 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	408	49.5	mg/kg	11.16.2020 13:46		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142569 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.17.2020 13:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.17.2020 13:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.17.2020 13:08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	11.17.2020 13:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.17.2020 13:08	
o-Terphenyl	84-15-1	116	%	70-135	11.17.2020 13:08	



Certificate of Analytical Results 677883

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-17** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-030 Date Collected: 11.13.2020 11:45 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	54.9	49.8	mg/kg	11.16.2020 13:52		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142569 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.17.2020 13:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.17.2020 13:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.17.2020 13:28	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.17.2020 13:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	11.17.2020 13:28	
o-Terphenyl	84-15-1	104	%	70-135	11.17.2020 13:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-17** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-030 Date Collected: 11.13.2020 11:45 Sample Depth: 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.17.2020 14:00 % Moisture:
 Seq Number: 3142570 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.18.2020 00:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.18.2020 00:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.18.2020 00:00	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.18.2020 00:00	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-18** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-031 Date Collected: 11.13.2020 12:15 Sample Depth: 2.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1800	200	mg/kg	11.16.2020 13:57		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142569 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.17.2020 13:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.17.2020 13:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.17.2020 13:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.17.2020 13:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.17.2020 13:48	
o-Terphenyl	84-15-1	106	%	70-135	11.17.2020 13:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-18** Matrix: Soil Date Received: 11.13.2020 15:10
 Lab Sample Id: 677883-032 Date Collected: 11.13.2020 13:45 Sample Depth: 1.5
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.14.2020 16:34 % Moisture:
 Seq Number: 3142429 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	162	49.8	mg/kg	11.16.2020 14:08		5
Chloride	16887-00-6	82.6	49.8	mg/kg	11.16.2020 14:02		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.17.2020 10:00 % Moisture:
 Seq Number: 3142569 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.17.2020 14:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.17.2020 14:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.17.2020 14:09	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.17.2020 14:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.17.2020 14:09	
o-Terphenyl	84-15-1	114	%	70-135	11.17.2020 14:09	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3142338
MB Sample Id: 7715204-1-BLK

Matrix: Solid
LCS Sample Id: 7715204-1-BKS

Prep Method: E300P
Date Prep: 11.13.2020
LCSD Sample Id: 7715204-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	246	98	90-110	2	20	mg/kg	11.13.2020 23:04	

Analytical Method: Chloride by EPA 300

Seq Number: 3142429
MB Sample Id: 7715205-1-BLK

Matrix: Solid
LCS Sample Id: 7715205-1-BKS

Prep Method: E300P
Date Prep: 11.14.2020
LCSD Sample Id: 7715205-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	245	98	239	96	90-110	2	20	mg/kg	11.16.2020 10:36	

Analytical Method: Chloride by EPA 300

Seq Number: 3142338
Parent Sample Id: 677843-002

Matrix: Soil
MS Sample Id: 677843-002 S

Prep Method: E300P
Date Prep: 11.13.2020
MSD Sample Id: 677843-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	262	199	460	99	460	99	90-110	0	20	mg/kg	11.13.2020 23:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3142338
Parent Sample Id: 677883-006

Matrix: Soil
MS Sample Id: 677883-006 S

Prep Method: E300P
Date Prep: 11.13.2020
MSD Sample Id: 677883-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1460	202	1650	94	1650	94	90-110	0	20	mg/kg	11.14.2020 00:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3142429
Parent Sample Id: 677883-015

Matrix: Soil
MS Sample Id: 677883-015 S

Prep Method: E300P
Date Prep: 11.14.2020
MSD Sample Id: 677883-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2170	202	2360	94	2360	94	90-110	0	20	mg/kg	11.16.2020 10:53	

Analytical Method: Chloride by EPA 300

Seq Number: 3142429
Parent Sample Id: 677883-025

Matrix: Soil
MS Sample Id: 677883-025 S

Prep Method: E300P
Date Prep: 11.14.2020
MSD Sample Id: 677883-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1410	199	1590	90	1600	95	90-110	1	20	mg/kg	11.16.2020 13:08	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142313

MB Sample Id: 7715202-1-BLK

Matrix: Solid

LCS Sample Id: 7715202-1-BKS

Prep Method: SW8015P

Date Prep: 11.13.2020

LCSD Sample Id: 7715202-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1070	107	957	96	70-135	11	35	mg/kg	11.13.2020 22:37	
Diesel Range Organics (DRO)	<50.0	1000	1200	120	1120	112	70-135	7	35	mg/kg	11.13.2020 22:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		130		134		70-135	%	11.13.2020 22:37
o-Terphenyl	96		114		112		70-135	%	11.13.2020 22:37

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142312

MB Sample Id: 7715201-1-BLK

Matrix: Solid

LCS Sample Id: 7715201-1-BKS

Prep Method: SW8015P

Date Prep: 11.13.2020

LCSD Sample Id: 7715201-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1040	104	1140	114	70-135	9	35	mg/kg	11.13.2020 22:37	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1030	103	70-135	5	35	mg/kg	11.13.2020 22:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	134		110		115		70-135	%	11.13.2020 22:37
o-Terphenyl	130		130		117		70-135	%	11.13.2020 22:37

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142566

MB Sample Id: 7715396-1-BLK

Matrix: Solid

LCS Sample Id: 7715396-1-BKS

Prep Method: SW8015P

Date Prep: 11.17.2020

LCSD Sample Id: 7715396-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1170	117	70-135	1	35	mg/kg	11.17.2020 11:28	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1050	105	70-135	3	35	mg/kg	11.17.2020 11:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		119		113		70-135	%	11.17.2020 11:28
o-Terphenyl	117		123		109		70-135	%	11.17.2020 11:28

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142569

MB Sample Id: 7715398-1-BLK

Matrix: Solid

LCS Sample Id: 7715398-1-BKS

Prep Method: SW8015P

Date Prep: 11.17.2020

LCSD Sample Id: 7715398-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	974	97	966	97	70-135	1	35	mg/kg	11.17.2020 11:28	
Diesel Range Organics (DRO)	<50.0	1000	1070	107	1070	107	70-135	0	35	mg/kg	11.17.2020 11:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		133		133		70-135	%	11.17.2020 11:28
o-Terphenyl	105		102		102		70-135	%	11.17.2020 11:28

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142313

Matrix: Solid

MB Sample Id: 7715202-1-BLK

Prep Method: SW8015P

Date Prep: 11.13.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.13.2020 22:17	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142312

Matrix: Solid

MB Sample Id: 7715201-1-BLK

Prep Method: SW8015P

Date Prep: 11.13.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.13.2020 22:17	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142566

Matrix: Solid

MB Sample Id: 7715396-1-BLK

Prep Method: SW8015P

Date Prep: 11.17.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.17.2020 11:08	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142569

Matrix: Solid

MB Sample Id: 7715398-1-BLK

Prep Method: SW8015P

Date Prep: 11.17.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.17.2020 11:08	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142313
Parent Sample Id: 677810-001

Matrix: Soil
MS Sample Id: 677810-001 S

Prep Method: SW8015P
Date Prep: 11.13.2020
MSD Sample Id: 677810-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	1120	112	1020	102	70-135	9	35	mg/kg	11.13.2020 23:38	
Diesel Range Organics (DRO)	<49.8	996	994	100	1120	112	70-135	12	35	mg/kg	11.13.2020 23:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		115		70-135	%	11.13.2020 23:38
o-Terphenyl	112		98		70-135	%	11.13.2020 23:38

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142312
Parent Sample Id: 677806-001

Matrix: Soil
MS Sample Id: 677806-001 S

Prep Method: SW8015P
Date Prep: 11.13.2020
MSD Sample Id: 677806-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1130	113	70-135	5	35	mg/kg	11.13.2020 23:38	
Diesel Range Organics (DRO)	<50.0	1000	1140	114	1110	111	70-135	3	35	mg/kg	11.13.2020 23:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		119		70-135	%	11.13.2020 23:38
o-Terphenyl	96		106		70-135	%	11.13.2020 23:38

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142566
Parent Sample Id: 677883-023

Matrix: Soil
MS Sample Id: 677883-023 S

Prep Method: SW8015P
Date Prep: 11.17.2020
MSD Sample Id: 677883-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1060	106	1130	113	70-135	6	35	mg/kg	11.17.2020 12:28	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1020	102	70-135	1	35	mg/kg	11.17.2020 12:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		112		70-135	%	11.17.2020 12:28
o-Terphenyl	114		114		70-135	%	11.17.2020 12:28

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142569

Parent Sample Id: 677883-028

Matrix: Soil

MS Sample Id: 677883-028 S

Prep Method: SW8015P

Date Prep: 11.17.2020

MSD Sample Id: 677883-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1080	107	1120	112	70-135	4	35	mg/kg	11.17.2020 12:28	
Diesel Range Organics (DRO)	<50.3	1010	1130	112	1050	105	70-135	7	35	mg/kg	11.17.2020 12:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		107		70-135	%	11.17.2020 12:28
o-Terphenyl	104		116		70-135	%	11.17.2020 12:28

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142323

MB Sample Id: 7715197-1-BLK

Matrix: Solid

LCS Sample Id: 7715197-1-BKS

Prep Method: SW5035A

Date Prep: 11.13.2020

LCSD Sample Id: 7715197-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0925	93	0.0926	93	70-130	0	35	mg/kg	11.14.2020 01:27	
Toluene	<0.00200	0.100	0.0871	87	0.0868	87	70-130	0	35	mg/kg	11.14.2020 01:27	
Ethylbenzene	<0.00200	0.100	0.0900	90	0.0894	89	71-129	1	35	mg/kg	11.14.2020 01:27	
m,p-Xylenes	<0.00400	0.200	0.181	91	0.181	91	70-135	0	35	mg/kg	11.14.2020 01:27	
o-Xylene	<0.00200	0.100	0.0923	92	0.0917	92	71-133	1	35	mg/kg	11.14.2020 01:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		97		97		70-130	%	11.14.2020 01:27
4-Bromofluorobenzene	115		106		106		70-130	%	11.14.2020 01:27

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142324

MB Sample Id: 7715198-1-BLK

Matrix: Solid

LCS Sample Id: 7715198-1-BKS

Prep Method: SW5035A

Date Prep: 11.13.2020

LCSD Sample Id: 7715198-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.101	101	70-130	2	35	mg/kg	11.14.2020 07:38	
Toluene	<0.00200	0.100	0.0979	98	0.0950	95	70-130	3	35	mg/kg	11.14.2020 07:38	
Ethylbenzene	<0.00200	0.100	0.0901	90	0.0867	87	71-129	4	35	mg/kg	11.14.2020 07:38	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.175	88	70-135	4	35	mg/kg	11.14.2020 07:38	
o-Xylene	<0.00200	0.100	0.0904	90	0.0873	87	71-133	3	35	mg/kg	11.14.2020 07:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		99		70-130	%	11.14.2020 07:38
4-Bromofluorobenzene	87		89		85		70-130	%	11.14.2020 07:38

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142570

MB Sample Id: 7715389-1-BLK

Matrix: Solid

LCS Sample Id: 7715389-1-BKS

Prep Method: SW5035A

Date Prep: 11.17.2020

LCSD Sample Id: 7715389-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.107	107	70-130	4	35	mg/kg	11.17.2020 16:11	
Toluene	<0.00200	0.100	0.0997	100	0.103	103	70-130	3	35	mg/kg	11.17.2020 16:11	
Ethylbenzene	<0.00200	0.100	0.0931	93	0.0963	96	71-129	3	35	mg/kg	11.17.2020 16:11	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.195	98	70-135	3	35	mg/kg	11.17.2020 16:11	
o-Xylene	<0.00200	0.100	0.0935	94	0.0965	97	71-133	3	35	mg/kg	11.17.2020 16:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		99		99		70-130	%	11.17.2020 16:11
4-Bromofluorobenzene	91		86		84		70-130	%	11.17.2020 16:11

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142323

Parent Sample Id: 677813-003

Matrix: Soil

MS Sample Id: 677813-003 S

Prep Method: SW5035A

Date Prep: 11.13.2020

MSD Sample Id: 677813-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0948	95	0.0941	94	70-130	1	35	mg/kg	11.14.2020 02:12	
Toluene	<0.00199	0.0996	0.0908	91	0.0876	88	70-130	4	35	mg/kg	11.14.2020 02:12	
Ethylbenzene	<0.00199	0.0996	0.0934	94	0.0909	91	71-129	3	35	mg/kg	11.14.2020 02:12	
m,p-Xylenes	<0.00398	0.199	0.190	95	0.185	93	70-135	3	35	mg/kg	11.14.2020 02:12	
o-Xylene	<0.00199	0.0996	0.0942	95	0.0941	94	71-133	0	35	mg/kg	11.14.2020 02:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		70-130	%	11.14.2020 02:12
4-Bromofluorobenzene	114		110		70-130	%	11.14.2020 02:12

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142324

Parent Sample Id: 677883-010

Matrix: Soil

MS Sample Id: 677883-010 S

Prep Method: SW5035A

Date Prep: 11.13.2020

MSD Sample Id: 677883-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.128	128	0.103	103	70-130	22	35	mg/kg	11.14.2020 08:23	
Toluene	<0.00200	0.0998	0.122	122	0.0959	96	70-130	24	35	mg/kg	11.14.2020 08:23	
Ethylbenzene	<0.00200	0.0998	0.111	111	0.0863	86	71-129	25	35	mg/kg	11.14.2020 08:23	
m,p-Xylenes	<0.00399	0.200	0.223	112	0.173	86	70-135	25	35	mg/kg	11.14.2020 08:23	
o-Xylene	<0.00200	0.0998	0.110	110	0.0866	87	71-133	24	35	mg/kg	11.14.2020 08:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		101		70-130	%	11.14.2020 08:23
4-Bromofluorobenzene	86		86		70-130	%	11.14.2020 08:23

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142570

Parent Sample Id: 678092-001

Matrix: Soil

MS Sample Id: 678092-001 S

Prep Method: SW5035A

Date Prep: 11.17.2020

MSD Sample Id: 678092-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0901	90	0.0968	97	70-130	7	35	mg/kg	11.17.2020 16:56	
Toluene	<0.00200	0.100	0.0876	88	0.0937	94	70-130	7	35	mg/kg	11.17.2020 16:56	
Ethylbenzene	<0.00200	0.100	0.0817	82	0.0880	88	71-129	7	35	mg/kg	11.17.2020 16:56	
m,p-Xylenes	<0.00401	0.200	0.166	83	0.178	89	70-135	7	35	mg/kg	11.17.2020 16:56	
o-Xylene	<0.00200	0.100	0.0812	81	0.0876	88	71-133	8	35	mg/kg	11.17.2020 16:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	11.17.2020 16:56
4-Bromofluorobenzene	90		86		70-130	%	11.17.2020 16:56

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = $\text{Log}(\text{Sample Duplicate}) - \text{Log}(\text{Original Sample})$

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



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

Chain of Custody

Work Order No: 1677883

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jferguson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J.Ferguson	Wet Ice:	Yes No	Parameters	
PO #:		Temp Blank:	Yes No	BTEX 8021B	
SAMPLE RECEIPT		Samples Received Intact:	Yes No	TPH (GRO+DRO+MRO) 8015M	
Cooler Custody Seals:	Yes No	Cooler ID:		Chloride EPA 300.0	
Sample Custody Seals:	Yes No	Correction Factor:			
Total Containers:	Yes No	Temperature Reading:			
		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Preservative Codes				
CFS-12	S	11/11/20	1:50	1.5'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None: NO DI Water: H ₂ O
CWSW-12	S	11/11/20	2:55	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cool: Cool MeOH: Me
CWSE-13	S	11/11/20	3:15	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCL: HC HNO ₃ : HN
CFS-13	S	11/11/20	3:20	2.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H ₂ SO ₄ : H ₂ NaOH: Na
CFS-14	S	11/11/20	3:50	2.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H ₃ PO ₄ : HP
CWSE-14	S	11/11/20	4:55	1.6'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NaHSO ₄ : NABIS
CWSW-13	S	11/11/20	5:20	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Na ₂ S ₂ O ₃ : NASO ₃
CWSW-14	S	11/11/20	5:30	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Zn Acetate+NaOH: Zn
CWSE-15	S	11/12/20	10:10	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NaOH+Ascorbic Acid: SAPC
CWSW-15	S	11/12/20	10:50	1.0'	Comp	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RRCRA 13PPM Texas 11 A1 Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/13/20 15:10			



Environment Testing
Xenco

Chain of Custody

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

Work Order No: 1677883

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	fergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com
Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	J.Ferguson	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PO #:		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Corrected Temperature:		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Sample Comments				
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0													
CE5-15	S	11/12/20	1055	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE5-15	S	11/12/20	1125	4.6'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE5-15	S	11/12/20	1130	6.6'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE5-16	S	11/12/20	1205	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE5-15	S	11/11/20	1320	8.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
QWSE-16	S	11/12/20	1420	1.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
QWSE-16	S	11/11/20	1515	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE5-17	S	11/13/20	0955	2.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
QWSE-17	S	11/13/20	1140	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
QWSE-17	S	11/13/20	1145	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA SB As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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		11/13/20 15:10			



Environment Testing
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 1677-883

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Project Manager:	John Fergerson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program: UST/PST PRP Brownfields RRC Superfund

State of Project: _____

Reporting: Level II Level III PST/UST TRRP Level IV

Deliverables: EDD ADAPT Other: _____

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pass. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J.Fergerson	Wet Ice:	Yes No		
PO #:		Temp Blank:	Yes No		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	
CFS-18	S	11/13/20	1215	25'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CW5E-16	S	11/13/20	1305	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RBCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RBCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/13/20 15:10			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.13.2020 03.10.00 PM

Work Order #: 677883

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	No	
#8 Any missing/extra samples?	Yes	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.13.2020
Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.16.2020
Jessica Kramer

Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-001	678408-002	678408-003	678408-004	678408-005	678408-006
	<i>Field Id:</i>	CWSW-18	CFS-19	CWSW-19	CWSE-19	CFS-20	CWSE-20
	<i>Depth:</i>	1.5- ft	2.5- ft	1.5- ft	1.5- ft	2.5- ft	1.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.16.2020 09:20	11.16.2020 10:40	11.16.2020 10:45	11.16.2020 11:45	11.16.2020 13:15	11.16.2020 13:20
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.19.2020 18:50	11.19.2020 19:13	11.19.2020 19:35	11.19.2020 19:57	11.19.2020 20:20	11.19.2020 20:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
m,p-Xylenes		<0.00399 0.00399	<0.00401 0.00401	<0.00399 0.00399	<0.00399 0.00399	<0.00402 0.00402	<0.00404 0.00404
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Total Xylenes		<0.002000 0.002000	<0.002000 0.002000	<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010	<0.002020 0.002020
Total BTEX		<0.002000 0.002000	<0.002000 0.002000	<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30
	<i>Analyzed:</i>	11.20.2020 10:56	11.20.2020 11:11	11.20.2020 11:17	11.20.2020 11:22	11.20.2020 11:27	11.20.2020 11:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		25.3 10.0	2720 201	329 50.1	442 49.8	2050 D 50.1	64.1 50.2
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.19.2020 14:47	11.19.2020 15:55	11.19.2020 16:14	11.19.2020 16:34	11.19.2020 16:54	11.19.2020 17:15
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.3 50.3
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.3 50.3
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.3 50.3
Total TPH		<49.90 49.90	<50.00 50.00	<49.80 49.80	<50.10 50.10	<50.20 50.20	<50.30 50.30

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-007	678408-008	678408-009	678408-010	678408-011	678408-012
	<i>Field Id:</i>	CWSW-20	CFS-21	CWSW-21	CWSE-21	CWSW-22	CFS-22
	<i>Depth:</i>	1.5- ft	3.0- ft	1.5- ft	1.5- ft	2.0- ft	5.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.16.2020 14:30	11.16.2020 14:35	11.16.2020 09:20	11.16.2020 09:25	11.17.2020 09:40	11.17.2020 10:30
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.19.2020 21:05	11.19.2020 21:27	11.19.2020 21:50	11.19.2020 22:12	11.19.2020 23:30	11.19.2020 23:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00403 0.00403	<0.00397 0.00397	<0.00399 0.00399	<0.00399 0.00399	<0.00398 0.00398	<0.00399 0.00399
o-Xylene		<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000
Total BTEX		<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30
	<i>Analyzed:</i>	11.20.2020 11:48	11.20.2020 11:53	11.20.2020 11:58	11.20.2020 12:03	11.20.2020 12:08	11.20.2020 12:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		26.4 10.0	2770 200	53.6 10.0	116 9.96	96.5 9.96	1430 199
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.19.2020 17:35	11.19.2020 18:34	11.19.2020 18:53	11.19.2020 19:13	11.19.2020 19:53	11.19.2020 20:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<50.2 50.2
Diesel Range Organics (DRO)		<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<50.2 50.2
Total TPH		<49.90 49.90	<50.20 50.20	<49.80 49.80	<50.20 50.20	<49.80 49.80	<50.20 50.20

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-013	678408-014	678408-015	678408-016	678408-017	678408-018
	<i>Field Id:</i>	CWSE-22	CFS-22	CFS-23	CWSE-23	CWSW-23	CFS-24
	<i>Depth:</i>	2.5- ft	8.0- ft	6.0- ft	2.0- ft	2.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.17.2020 10:35	11.17.2020 11:15	11.17.2020 12:25	11.17.2020 13:50	11.17.2020 13:55	11.17.2020 14:00
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.20.2020 00:14	11.20.2020 00:37	11.20.2020 00:59	11.20.2020 01:22	11.20.2020 01:44	11.20.2020 02:06
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Toluene		<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Ethylbenzene		<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
m,p-Xylenes		<0.00404 0.00404	<0.00404 0.00404	<0.00401 0.00401	<0.00399 0.00399	<0.00398 0.00398	<0.00397 0.00397
o-Xylene		<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Total Xylenes		<0.002020 0.002020	<0.002020 0.002020	<0.002000 0.002000	<0.002000 0.002000	<0.001990 0.001990	<0.001980 0.001980
Total BTEX		<0.002020 0.002020	<0.002020 0.002020	<0.002000 0.002000	<0.002000 0.002000	<0.001990 0.001990	<0.001980 0.001980
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 08:30
	<i>Analyzed:</i>	11.20.2020 12:29	11.20.2020 13:00	11.20.2020 13:05	11.20.2020 13:11	11.20.2020 13:16	11.20.2020 13:21
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		138 50.1	2840 200	3530 49.6	259 10.0	105 10.0	4530 50.2
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:00
	<i>Analyzed:</i>	11.19.2020 20:34	11.19.2020 20:53	11.19.2020 21:13	11.19.2020 21:33	11.19.2020 21:54	11.19.2020 22:14
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.8 49.8	<50.3 50.3
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.8 49.8	<50.3 50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.8 49.8	<50.3 50.3
Total TPH		<50.00 50.00	<49.90 49.90	<49.80 49.80	<50.00 50.00	<49.80 49.80	<50.30 50.30

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Jessica Kramer

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Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-019	678408-020	678408-021	678408-022	678408-023	678408-024
	<i>Field Id:</i>	CWSW-24	CWSE-24	CWSW-25	CFS-25	CWSE-25	CWSW-26
	<i>Depth:</i>	2.0- ft	2.0- ft	2.0- ft	4.0- ft	2.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.17.2020 14:35	11.17.2020 15:30	11.18.2020 09:20	11.18.2020 09:25	11.18.2020 09:55	11.18.2020 10:00
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50
	<i>Analyzed:</i>	11.20.2020 02:29	11.20.2020 02:51	11.19.2020 21:01	11.19.2020 21:24	11.19.2020 21:46	11.19.2020 22:09
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202
Toluene		<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202
Ethylbenzene		<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202
m,p-Xylenes		<0.00398 0.00398	<0.00403 0.00403	<0.00399 0.00399	<0.00404 0.00404	<0.00402 0.00402	<0.00403 0.00403
o-Xylene		<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202
Total Xylenes		<0.001990 0.001990	<0.002020 0.002020	<0.002000 0.002000	<0.002020 0.002020	<0.002010 0.002010	<0.002020 0.002020
Total BTEX		<0.001990 0.001990	<0.002020 0.002020	<0.002000 0.002000	<0.002020 0.002020	<0.002010 0.002010	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 08:30	11.20.2020 08:30	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32
	<i>Analyzed:</i>	11.20.2020 13:26	11.20.2020 13:31	11.20.2020 14:02	11.20.2020 14:18	11.20.2020 14:23	11.20.2020 14:28
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		44.7 10.1	222 9.92	152 9.94	3350 49.9	528 50.1	322 50.1
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 12:00	11.19.2020 12:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00
	<i>Analyzed:</i>	11.19.2020 22:34	11.19.2020 22:54	11.20.2020 00:36	11.20.2020 01:36	11.20.2020 01:56	11.20.2020 02:16
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.3 50.3	<50.0 50.0	<50.2 50.2
Diesel Range Organics (DRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.3 50.3	<50.0 50.0	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.3 50.3	<50.0 50.0	<50.2 50.2
Total TPH		<50.20 50.20	<50.00 50.00	<49.80 49.80	<50.30 50.30	<50.00 50.00	<50.20 50.20

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Jessica Kramer

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Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-025	678408-026	678408-027	678408-028	678408-029	678408-030
	<i>Field Id:</i>	CWSE-26	CFS-26	CWSW-27	CFS-27	CWSE-27	CWSW-28
	<i>Depth:</i>	2.0- ft	4.0- ft	2.0- ft	4.0- ft	2.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.18.2020 10:05	11.18.2020 10:10	11.18.2020 11:25	11.18.2020 11:30	11.18.2020 11:55	11.18.2020 12:10
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50
	<i>Analyzed:</i>	11.19.2020 22:31	11.19.2020 22:53	11.19.2020 23:16	11.19.2020 23:38	11.20.2020 00:01	11.20.2020 00:23
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202
Toluene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202
Ethylbenzene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202
m,p-Xylenes		<0.00397 0.00397	<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397	<0.00404 0.00404
o-Xylene		<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202
Total Xylenes		<0.001980 0.001980	<0.001990 0.001990	<0.001990 0.001990	<0.002000 0.002000	<0.001980 0.001980	<0.002020 0.002020
Total BTEX		<0.001980 0.001980	<0.001990 0.001990	<0.001990 0.001990	<0.002000 0.002000	<0.001980 0.001980	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32
	<i>Analyzed:</i>	11.20.2020 14:33	11.20.2020 14:49	11.20.2020 14:54	11.20.2020 14:59	11.20.2020 15:55	11.20.2020 16:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		361 49.6	5170 200	281 49.6	2340 200	292 49.5	133 49.9
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00
	<i>Analyzed:</i>	11.20.2020 02:36	11.20.2020 02:57	11.20.2020 03:17	11.20.2020 03:37	11.20.2020 03:57	11.20.2020 04:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9	<50.1 50.1	<50.0 50.0	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9	<50.1 50.1	<50.0 50.0	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9	<50.1 50.1	<50.0 50.0	<50.0 50.0	<50.0 50.0
Total TPH		<49.90 49.90	<49.90 49.90	<50.10 50.10	<50.00 50.00	<50.00 50.00	<50.00 50.00

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Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678408-031	678408-032	678408-033	678408-034	678408-035	678408-036
	<i>Field Id:</i>	CWSE-28	CFS-28	CWSW-29	CWSE-29	CFS-29	CFS-30
	<i>Depth:</i>	2.0- ft	4.0- ft	2.0- ft	2.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.18.2020 12:15	11.18.2020 12:20	11.18.2020 13:30	11.18.2020 13:35	11.18.2020 13:45	11.18.2020 14:15
BTEX by EPA 8021B	<i>Extracted:</i>	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50	11.19.2020 12:50
	<i>Analyzed:</i>	11.20.2020 01:43	11.20.2020 02:05	11.20.2020 02:27	11.20.2020 02:50	11.20.2020 03:12	11.20.2020 03:35
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
m,p-Xylenes		<0.00404 0.00404	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00399 0.00399	<0.00401 0.00401
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.002020 0.002020	<0.002010 0.002010	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.002000 0.002000
Total BTEX		<0.002020 0.002020	<0.002010 0.002010	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32	11.20.2020 09:32
	<i>Analyzed:</i>	11.20.2020 16:05	11.20.2020 16:21	11.20.2020 16:26	11.20.2020 16:41	11.20.2020 16:47	11.20.2020 16:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		255 49.6	2480 200	701 50.4	295 50.5	5850 200	3790 200
TPH By SW8015 Mod	<i>Extracted:</i>	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00	11.19.2020 18:00
	<i>Analyzed:</i>	11.20.2020 00:36	11.20.2020 01:36	11.20.2020 01:56	11.20.2020 02:16	11.20.2020 02:36	11.20.2020 02:57
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.9 49.9	<49.8 49.8
Total TPH		<50.20 50.20	<50.00 50.00	<49.80 49.80	<50.10 50.10	<49.90 49.90	<49.80 49.80

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Jessica Kramer



Certificate of Analysis Summary 678408

SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id:
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 11.18.2020 16:40
Report Date: 12.03.2020 12:42
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	678408-037	678408-038				
	Field Id:	CWSW-30	CWSE-30				
	Depth:	2.0- ft	2.0- ft				
	Matrix:	SOIL	SOIL				
	Sampled:	11.18.2020 14:50	11.18.2020 14:55				
BTEX by EPA 8021B	Extracted:	11.19.2020 12:50	11.19.2020 12:50				
	Analyzed:	11.20.2020 03:57	11.20.2020 04:19				
	Units/RL:	mg/kg RL	mg/kg RL				
	Benzene	<0.00200 0.00200	<0.00199 0.00199				
Toluene	<0.00200 0.00200	<0.00199 0.00199					
Ethylbenzene	<0.00200 0.00200	<0.00199 0.00199					
m,p-Xylenes	<0.00399 0.00399	<0.00398 0.00398					
o-Xylene	<0.00200 0.00200	<0.00199 0.00199					
Total Xylenes	<0.002000 0.002000	<0.001990 0.001990					
Total BTEX	<0.002000 0.002000	<0.001990 0.001990					
Chloride by EPA 300	Extracted:	11.20.2020 09:32	11.20.2020 09:32				
	Analyzed:	11.20.2020 16:57	11.20.2020 17:02				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride	114 49.6	20.5 9.98					
TPH By SW8015 Mod	Extracted:	11.19.2020 18:00	11.19.2020 18:00				
	Analyzed:	11.20.2020 03:17	11.20.2020 03:37				
	Units/RL:	mg/kg RL	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<50.2 50.2	<50.0 50.0				
	Diesel Range Organics (DRO)	<50.2 50.2	<50.0 50.0				
Motor Oil Range Hydrocarbons (MRO)	<50.2 50.2	<50.0 50.0					
Total TPH	<50.20 50.20	<50.00 50.00					

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Jessica Kramer



Analytical Report 678408

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

12.03.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



12.03.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **678408**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 678408. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 678408 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 678408

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CWSW-18	S	11.16.2020 09:20	1.5 ft	678408-001
CFS-19	S	11.16.2020 10:40	2.5 ft	678408-002
CWSW-19	S	11.16.2020 10:45	1.5 ft	678408-003
CWSE-19	S	11.16.2020 11:45	1.5 ft	678408-004
CFS-20	S	11.16.2020 13:15	2.5 ft	678408-005
CWSE-20	S	11.16.2020 13:20	1.5 ft	678408-006
CWSW-20	S	11.16.2020 14:30	1.5 ft	678408-007
CFS-21	S	11.16.2020 14:35	3.0 ft	678408-008
CWSW-21	S	11.16.2020 09:20	1.5 ft	678408-009
CWSE-21	S	11.16.2020 09:25	1.5 ft	678408-010
CWSW-22	S	11.17.2020 09:40	2.0 ft	678408-011
CFS-22	S	11.17.2020 10:30	5.0 ft	678408-012
CWSE-22	S	11.17.2020 10:35	2.5 ft	678408-013
CFS-22	S	11.17.2020 11:15	8.0 ft	678408-014
CFS-23	S	11.17.2020 12:25	6.0 ft	678408-015
CWSE-23	S	11.17.2020 13:50	2.0 ft	678408-016
CWSW-23	S	11.17.2020 13:55	2.0 ft	678408-017
CFS-24	S	11.17.2020 14:00	4.0 ft	678408-018
CWSW-24	S	11.17.2020 14:35	2.0 ft	678408-019
CWSE-24	S	11.17.2020 15:30	2.0 ft	678408-020
CWSW-25	S	11.18.2020 09:20	2.0 ft	678408-021
CFS-25	S	11.18.2020 09:25	4.0 ft	678408-022
CWSE-25	S	11.18.2020 09:55	2.0 ft	678408-023
CWSW-26	S	11.18.2020 10:00	2.0 ft	678408-024
CWSE-26	S	11.18.2020 10:05	2.0 ft	678408-025
CFS-26	S	11.18.2020 10:10	4.0 ft	678408-026
CWSW-27	S	11.18.2020 11:25	2.0 ft	678408-027
CFS-27	S	11.18.2020 11:30	4.0 ft	678408-028
CWSE-27	S	11.18.2020 11:55	2.0 ft	678408-029
CWSW-28	S	11.18.2020 12:10	2.0 ft	678408-030
CWSE-28	S	11.18.2020 12:15	2.0 ft	678408-031
CFS-28	S	11.18.2020 12:20	4.0 ft	678408-032
CWSW-29	S	11.18.2020 13:30	2.0 ft	678408-033
CWSE-29	S	11.18.2020 13:35	2.0 ft	678408-034
CFS-29	S	11.18.2020 13:45	4.0 ft	678408-035
CFS-30	S	11.18.2020 14:15	4.0 ft	678408-036
CWSW-30	S	11.18.2020 14:50	2.0 ft	678408-037
CWSE-30	S	11.18.2020 14:55	2.0 ft	678408-038



CASE NARRATIVE

Client Name: SDR Enterprise

Project Name: Solaris- Lobo to Eddy State ARV Release

Project ID:
Work Order Number(s): 678408

Report Date: 12.03.2020
Date Received: 11.18.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-18** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-001 Date Collected: 11.16.2020 09:20 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.3	10.0	mg/kg	11.20.2020 10:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.19.2020 14:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.19.2020 14:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.19.2020 14:47	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.19.2020 14:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.19.2020 14:47	
o-Terphenyl	84-15-1	116	%	70-135	11.19.2020 14:47	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-19** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-002 Date Collected: 11.16.2020 10:40 Sample Depth: 2.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2720	201	mg/kg	11.20.2020 11:11		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.19.2020 15:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.19.2020 15:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.19.2020 15:55	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.19.2020 15:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.19.2020 15:55	
o-Terphenyl	84-15-1	114	%	70-135	11.19.2020 15:55	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-19** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-003 Date Collected: 11.16.2020 10:45 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	329	50.1	mg/kg	11.20.2020 11:17		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.19.2020 16:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.19.2020 16:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.19.2020 16:14	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.19.2020 16:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	11.19.2020 16:14	
o-Terphenyl	84-15-1	108	%	70-135	11.19.2020 16:14	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-19** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-004 Date Collected: 11.16.2020 11:45 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	442	49.8	mg/kg	11.20.2020 11:22		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.19.2020 16:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.19.2020 16:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.19.2020 16:34	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.19.2020 16:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.19.2020 16:34	
o-Terphenyl	84-15-1	102	%	70-135	11.19.2020 16:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-20** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-005 Date Collected: 11.16.2020 13:15 Sample Depth: 2.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2050	50.1	mg/kg	11.25.2020 03:26	D	5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.19.2020 16:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.19.2020 16:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.19.2020 16:54	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.19.2020 16:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	11.19.2020 16:54	
o-Terphenyl	84-15-1	116	%	70-135	11.19.2020 16:54	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-20** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-006 Date Collected: 11.16.2020 13:20 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	64.1	50.2	mg/kg	11.20.2020 11:42		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.19.2020 17:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.19.2020 17:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.19.2020 17:15	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.19.2020 17:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.19.2020 17:15	
o-Terphenyl	84-15-1	114	%	70-135	11.19.2020 17:15	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-20** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-006 Date Collected: 11.16.2020 13:20 Sample Depth: 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.19.2020 20:42	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.19.2020 20:42	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.19.2020 20:42	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.19.2020 20:42	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.19.2020 20:42	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.19.2020 20:42	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.19.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.19.2020 20:42	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 20:42	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-20** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-007 Date Collected: 11.16.2020 14:30 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.4	10.0	mg/kg	11.21.2020 13:08		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.19.2020 17:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.19.2020 17:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.19.2020 17:35	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.19.2020 17:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.19.2020 17:35	
o-Terphenyl	84-15-1	104	%	70-135	11.19.2020 17:35	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-20** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-007 Date Collected: 11.16.2020 14:30 Sample Depth: 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.19.2020 21:05	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.19.2020 21:05	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.19.2020 21:05	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.19.2020 21:05	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.19.2020 21:05	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.19.2020 21:05	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.19.2020 21:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.19.2020 21:05	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 21:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-21** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-008 Date Collected: 11.16.2020 14:35 Sample Depth: 3.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2770	200	mg/kg	11.20.2020 11:53		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.19.2020 18:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.19.2020 18:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.19.2020 18:34	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.19.2020 18:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.19.2020 18:34	
o-Terphenyl	84-15-1	110	%	70-135	11.19.2020 18:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-21** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-008 Date Collected: 11.16.2020 14:35 Sample Depth: 3.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.19.2020 21:27	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.19.2020 21:27	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.19.2020 21:27	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.19.2020 21:27	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.19.2020 21:27	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.19.2020 21:27	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.19.2020 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.19.2020 21:27	
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.19.2020 21:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-21** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-009 Date Collected: 11.16.2020 09:20 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	53.6	10.0	mg/kg	11.21.2020 13:13		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.19.2020 18:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.19.2020 18:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.19.2020 18:53	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.19.2020 18:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.19.2020 18:53	
o-Terphenyl	84-15-1	104	%	70-135	11.19.2020 18:53	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-21	Matrix: Soil	Date Received: 11.18.2020 16:40
Lab Sample Id: 678408-009	Date Collected: 11.16.2020 09:20	Sample Depth: 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.19.2020 12:00	Basis: Wet Weight
Seq Number: 3142893		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.19.2020 21:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 21:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 21:50	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 21:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 21:50	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 21:50	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 21:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 21:50		
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.19.2020 21:50		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-21** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-010 Date Collected: 11.16.2020 09:25 Sample Depth: 1.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	116	9.96	mg/kg	11.20.2020 12:03		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.19.2020 19:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.19.2020 19:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.19.2020 19:13	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.19.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	11.19.2020 19:13	
o-Terphenyl	84-15-1	94	%	70-135	11.19.2020 19:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-21** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-010 Date Collected: 11.16.2020 09:25 Sample Depth: 1.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.19.2020 22:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 22:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 22:12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 22:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 22:12	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 22:12	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.19.2020 22:12	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.19.2020 22:12	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-011 Date Collected: 11.17.2020 09:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	96.5	9.96	mg/kg	11.20.2020 12:08		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.19.2020 19:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.19.2020 19:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.19.2020 19:53	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.19.2020 19:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.19.2020 19:53	
o-Terphenyl	84-15-1	112	%	70-135	11.19.2020 19:53	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-22 **Matrix:** Soil **Date Received:** 11.18.2020 16:40
Lab Sample Id: 678408-011 **Date Collected:** 11.17.2020 09:40 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.19.2020 12:00 **Basis:** Wet Weight
Seq Number: 3142893

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.19.2020 23:30	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.19.2020 23:30	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.19.2020 23:30	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.19.2020 23:30	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.19.2020 23:30	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.19.2020 23:30	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.19.2020 23:30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.19.2020 23:30		
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.19.2020 23:30		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-012 Date Collected: 11.17.2020 10:30 Sample Depth: 5.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1430	199	mg/kg	11.20.2020 12:24		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.19.2020 20:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.19.2020 20:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.19.2020 20:14	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.19.2020 20:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.19.2020 20:14	
o-Terphenyl	84-15-1	122	%	70-135	11.19.2020 20:14	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-012 Date Collected: 11.17.2020 10:30 Sample Depth: 5.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.19.2020 23:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 23:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 23:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 23:52	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 23:52	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 23:52	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.19.2020 23:52	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-013 Date Collected: 11.17.2020 10:35 Sample Depth: 2.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	138	50.1	mg/kg	11.20.2020 12:29		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.19.2020 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.19.2020 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.19.2020 20:34	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.19.2020 20:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.19.2020 20:34	
o-Terphenyl	84-15-1	104	%	70-135	11.19.2020 20:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-013 Date Collected: 11.17.2020 10:35 Sample Depth: 2.5 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.20.2020 00:14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 00:14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 00:14	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.2020 00:14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 00:14	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 00:14	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 00:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 00:14	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.20.2020 00:14	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-22** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-014 Date Collected: 11.17.2020 11:15 Sample Depth: 8.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2840	200	mg/kg	11.20.2020 13:00		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.19.2020 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.19.2020 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.19.2020 20:53	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.19.2020 20:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	11.19.2020 20:53	
o-Terphenyl	84-15-1	114	%	70-135	11.19.2020 20:53	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-23** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-015 Date Collected: 11.17.2020 12:25 Sample Depth: 6.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3530	49.6	mg/kg	11.20.2020 13:05		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.19.2020 21:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.19.2020 21:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.19.2020 21:13	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.19.2020 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.19.2020 21:13	
o-Terphenyl	84-15-1	108	%	70-135	11.19.2020 21:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-23** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-015 Date Collected: 11.17.2020 12:25 Sample Depth: 6.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 00:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 00:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 00:59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.2020 00:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 00:59	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 00:59	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 00:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 00:59	
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.20.2020 00:59	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-23** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-016 Date Collected: 11.17.2020 13:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	259	10.0	mg/kg	11.20.2020 13:11		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.19.2020 21:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.19.2020 21:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.19.2020 21:33	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.19.2020 21:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.19.2020 21:33	
o-Terphenyl	84-15-1	104	%	70-135	11.19.2020 21:33	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-23 **Matrix:** Soil **Date Received:** 11.18.2020 16:40
Lab Sample Id: 678408-016 **Date Collected:** 11.17.2020 13:50 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.19.2020 12:00 **Basis:** Wet Weight
Seq Number: 3142893

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 01:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 01:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 01:22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.20.2020 01:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 01:22	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 01:22	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 01:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.20.2020 01:22	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 01:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-23** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-017 Date Collected: 11.17.2020 13:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	105	10.0	mg/kg	11.20.2020 13:16		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.19.2020 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.19.2020 21:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.19.2020 21:54	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.19.2020 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	11.19.2020 21:54	
o-Terphenyl	84-15-1	112	%	70-135	11.19.2020 21:54	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-23**

Matrix: Soil

Date Received: 11.18.2020 16:40

Lab Sample Id: 678408-017

Date Collected: 11.17.2020 13:55

Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:00

% Moisture:

Seq Number: 3142893

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.2020 01:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 01:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 01:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 01:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 01:44	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 01:44	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 01:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.20.2020 01:44		
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.20.2020 01:44		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-24** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-018 Date Collected: 11.17.2020 14:00 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4530	50.2	mg/kg	11.20.2020 13:21		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.19.2020 22:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.19.2020 22:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.19.2020 22:14	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.19.2020 22:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.19.2020 22:14	
o-Terphenyl	84-15-1	118	%	70-135	11.19.2020 22:14	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-24	Matrix: Soil	Date Received: 11.18.2020 16:40
Lab Sample Id: 678408-018	Date Collected: 11.17.2020 14:00	Sample Depth: 4.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		
Analyst: MAB	Date Prep: 11.19.2020 12:00	% Moisture:
Seq Number: 3142893		Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.20.2020 02:06	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.20.2020 02:06	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.20.2020 02:06	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.20.2020 02:06	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.20.2020 02:06	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.20.2020 02:06	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.20.2020 02:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 02:06	
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.20.2020 02:06	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-24** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-019 Date Collected: 11.17.2020 14:35 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.7	10.1	mg/kg	11.20.2020 13:26		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.19.2020 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.19.2020 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.19.2020 22:34	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.19.2020 22:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.19.2020 22:34	
o-Terphenyl	84-15-1	118	%	70-135	11.19.2020 22:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-24** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-019 Date Collected: 11.17.2020 14:35 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.2020 02:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 02:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 02:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 02:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 02:29	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 02:29	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.20.2020 02:29	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.20.2020 02:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-24** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-020 Date Collected: 11.17.2020 15:30 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 08:30 % Moisture:
 Seq Number: 3142937 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	222	9.92	mg/kg	11.20.2020 13:31		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 12:00 % Moisture:
 Seq Number: 3142900 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.19.2020 22:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.19.2020 22:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.19.2020 22:54	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.19.2020 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.19.2020 22:54	
o-Terphenyl	84-15-1	106	%	70-135	11.19.2020 22:54	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-25** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-021 Date Collected: 11.18.2020 09:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	152	9.94	mg/kg	11.20.2020 14:02		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.20.2020 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.20.2020 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.20.2020 00:36	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.20.2020 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	11.20.2020 00:36	
o-Terphenyl	84-15-1	114	%	70-135	11.20.2020 00:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-25** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-021 Date Collected: 11.18.2020 09:20 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.19.2020 21:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 21:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 21:01	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 21:01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 21:01	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 21:01	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 21:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.19.2020 21:01	
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.19.2020 21:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-25** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-022 Date Collected: 11.18.2020 09:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3350	49.9	mg/kg	11.20.2020 14:18		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.20.2020 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.20.2020 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.20.2020 01:36	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.20.2020 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.20.2020 01:36	
o-Terphenyl	84-15-1	116	%	70-135	11.20.2020 01:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-25** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-022 Date Collected: 11.18.2020 09:25 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.19.2020 21:24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.19.2020 21:24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.19.2020 21:24	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.19.2020 21:24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.19.2020 21:24	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.19.2020 21:24	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.19.2020 21:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 21:24	
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.19.2020 21:24	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-25** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-023 Date Collected: 11.18.2020 09:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	528	50.1	mg/kg	11.20.2020 14:23		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 01:56	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.20.2020 01:56	
o-Terphenyl	84-15-1	118	%	70-135	11.20.2020 01:56	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-25**
Lab Sample Id: 678408-023

Matrix: Soil
Date Collected: 11.18.2020 09:55

Date Received: 11.18.2020 16:40
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.19.2020 21:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.19.2020 21:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.19.2020 21:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.19.2020 21:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.19.2020 21:46	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.19.2020 21:46	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.19.2020 21:46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.19.2020 21:46		
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.19.2020 21:46		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-26** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-024 Date Collected: 11.18.2020 10:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	322	50.1	mg/kg	11.20.2020 14:28		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.20.2020 02:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.20.2020 02:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.20.2020 02:16	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.20.2020 02:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	11.20.2020 02:16	
o-Terphenyl	84-15-1	104	%	70-135	11.20.2020 02:16	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-26 **Matrix:** Soil **Date Received:** 11.18.2020 16:40
Lab Sample Id: 678408-024 **Date Collected:** 11.18.2020 10:00 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.19.2020 12:50 **Basis:** Wet Weight
Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.19.2020 22:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.19.2020 22:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.19.2020 22:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.19.2020 22:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.19.2020 22:09	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.19.2020 22:09	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.19.2020 22:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.19.2020 22:09	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 22:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-26** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-025 Date Collected: 11.18.2020 10:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	361	49.6	mg/kg	11.20.2020 14:33		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.20.2020 02:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	11.20.2020 02:36	
o-Terphenyl	84-15-1	116	%	70-135	11.20.2020 02:36	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-26**
 Lab Sample Id: 678408-025

Matrix: Soil
 Date Collected: 11.18.2020 10:05

Date Received: 11.18.2020 16:40
 Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
 Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.19.2020 22:31	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.19.2020 22:31	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.19.2020 22:31	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.19.2020 22:31	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.19.2020 22:31	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.19.2020 22:31	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.19.2020 22:31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.19.2020 22:31		
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 22:31		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-26** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-026 Date Collected: 11.18.2020 10:10 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5170	200	mg/kg	11.20.2020 14:49		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.20.2020 02:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.20.2020 02:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.20.2020 02:57	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.20.2020 02:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	11.20.2020 02:57	
o-Terphenyl	84-15-1	98	%	70-135	11.20.2020 02:57	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-26** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-026 Date Collected: 11.18.2020 10:10 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.19.2020 22:53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.19.2020 22:53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.19.2020 22:53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.19.2020 22:53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.19.2020 22:53	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.19.2020 22:53	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.19.2020 22:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	11.19.2020 22:53	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 22:53	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-27** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-027 Date Collected: 11.18.2020 11:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	281	49.6	mg/kg	11.20.2020 14:54		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.20.2020 03:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.20.2020 03:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.20.2020 03:17	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.20.2020 03:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.20.2020 03:17	
o-Terphenyl	84-15-1	114	%	70-135	11.20.2020 03:17	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-27** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-027 Date Collected: 11.18.2020 11:25 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.19.2020 23:16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.19.2020 23:16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.19.2020 23:16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.19.2020 23:16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.19.2020 23:16	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.19.2020 23:16	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.19.2020 23:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.19.2020 23:16	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 23:16	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-27** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-028 Date Collected: 11.18.2020 11:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2340	200	mg/kg	11.20.2020 14:59		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 03:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.20.2020 03:37	
o-Terphenyl	84-15-1	116	%	70-135	11.20.2020 03:37	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-27**
 Lab Sample Id: 678408-028

Matrix: Soil
 Date Collected: 11.18.2020 11:30

Date Received: 11.18.2020 16:40
 Sample Depth: 4.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
 Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.19.2020 23:38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 23:38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 23:38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 23:38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 23:38	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 23:38	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 23:38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 23:38		
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.19.2020 23:38		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-27** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-029 Date Collected: 11.18.2020 11:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	292	49.5	mg/kg	11.20.2020 15:55		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 03:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 03:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 03:57	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 03:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	11.20.2020 03:57	
o-Terphenyl	84-15-1	96	%	70-135	11.20.2020 03:57	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-27** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-029 Date Collected: 11.18.2020 11:55 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.20.2020 00:01	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.20.2020 00:01	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.20.2020 00:01	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.20.2020 00:01	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.20.2020 00:01	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.20.2020 00:01	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.20.2020 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.20.2020 00:01	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.20.2020 00:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-28** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-030 Date Collected: 11.18.2020 12:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	133	49.9	mg/kg	11.20.2020 16:00		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142902 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 04:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 04:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 04:17	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 04:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.20.2020 04:17	
o-Terphenyl	84-15-1	110	%	70-135	11.20.2020 04:17	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-28**
Lab Sample Id: 678408-030

Matrix: Soil
Date Collected: 11.18.2020 12:10

Date Received: 11.18.2020 16:40
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.20.2020 00:23	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 00:23	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 00:23	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.2020 00:23	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 00:23	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 00:23	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 00:23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 00:23		
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 00:23		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-28** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-031 Date Collected: 11.18.2020 12:15 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	255	49.6	mg/kg	11.20.2020 16:05		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.20.2020 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.20.2020 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.20.2020 00:36	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.20.2020 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	11.20.2020 00:36	
o-Terphenyl	84-15-1	108	%	70-135	11.20.2020 00:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-28 **Matrix:** Soil **Date Received:** 11.18.2020 16:40
Lab Sample Id: 678408-031 **Date Collected:** 11.18.2020 12:15 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.19.2020 12:50 **Basis:** Wet Weight
Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.20.2020 01:43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 01:43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 01:43	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.2020 01:43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 01:43	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 01:43	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 01:43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 01:43		
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.20.2020 01:43		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-28** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-032 Date Collected: 11.18.2020 12:20 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2480	200	mg/kg	11.20.2020 16:21		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 01:36	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 01:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.20.2020 01:36	
o-Terphenyl	84-15-1	108	%	70-135	11.20.2020 01:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-28** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-032 Date Collected: 11.18.2020 12:20 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.19.2020 12:50 % Moisture:
 Seq Number: 3142894 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.20.2020 02:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.20.2020 02:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.20.2020 02:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.20.2020 02:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.20.2020 02:05	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.20.2020 02:05	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.20.2020 02:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 02:05	
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.20.2020 02:05	



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-29** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-033 Date Collected: 11.18.2020 13:30 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	701	50.4	mg/kg	11.24.2020 16:14		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.20.2020 01:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.20.2020 01:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.20.2020 01:56	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.20.2020 01:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.20.2020 01:56	
o-Terphenyl	84-15-1	102	%	70-135	11.20.2020 01:56	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-29**
 Lab Sample Id: 678408-033

Matrix: Soil
 Date Collected: 11.18.2020 13:30

Date Received: 11.18.2020 16:40
 Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
 Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 02:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 02:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 02:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.2020 02:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 02:27	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 02:27	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 02:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 02:27	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.20.2020 02:27	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-29** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-034 Date Collected: 11.18.2020 13:35 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	295	50.5	mg/kg	11.20.2020 16:41		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.20.2020 02:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.20.2020 02:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.20.2020 02:16	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.20.2020 02:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.20.2020 02:16	
o-Terphenyl	84-15-1	110	%	70-135	11.20.2020 02:16	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-29** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-035 Date Collected: 11.18.2020 13:45 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5850	200	mg/kg	11.20.2020 16:47		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.20.2020 02:36	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.20.2020 02:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	11.20.2020 02:36	
o-Terphenyl	84-15-1	98	%	70-135	11.20.2020 02:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-29 **Matrix:** Soil **Date Received:** 11.18.2020 16:40
Lab Sample Id: 678408-035 **Date Collected:** 11.18.2020 13:45 **Sample Depth:** 4.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.19.2020 12:50 **Basis:** Wet Weight
Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 03:12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 03:12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 03:12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.20.2020 03:12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 03:12	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 03:12	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 03:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 03:12	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.20.2020 03:12	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-30** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-036 Date Collected: 11.18.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3790	200	mg/kg	11.20.2020 16:52		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.20.2020 02:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.20.2020 02:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.20.2020 02:57	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.20.2020 02:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.20.2020 02:57	
o-Terphenyl	84-15-1	106	%	70-135	11.20.2020 02:57	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-30** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-037 Date Collected: 11.18.2020 14:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	114	49.6	mg/kg	11.20.2020 16:57		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.20.2020 03:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.20.2020 03:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.20.2020 03:17	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.20.2020 03:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.20.2020 03:17	
o-Terphenyl	84-15-1	120	%	70-135	11.20.2020 03:17	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-30**

Matrix: Soil

Date Received: 11.18.2020 16:40

Lab Sample Id: 678408-037

Date Collected: 11.18.2020 14:50

Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 03:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 03:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 03:57	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.20.2020 03:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 03:57	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 03:57	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 03:57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.20.2020 03:57		
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.20.2020 03:57		



Certificate of Analytical Results 678408

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-30** Matrix: Soil Date Received: 11.18.2020 16:40
 Lab Sample Id: 678408-038 Date Collected: 11.18.2020 14:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.20.2020 09:32 % Moisture:
 Seq Number: 3142938 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20.5	9.98	mg/kg	11.21.2020 13:18		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.19.2020 18:00 % Moisture:
 Seq Number: 3142903 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 03:37	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 03:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.20.2020 03:37	
o-Terphenyl	84-15-1	104	%	70-135	11.20.2020 03:37	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-30**
Lab Sample Id: 678408-038

Matrix: Soil
Date Collected: 11.18.2020 14:55

Date Received: 11.18.2020 16:40
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.19.2020 12:50

% Moisture:
Basis: Wet Weight

Seq Number: 3142894

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.2020 04:19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 04:19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 04:19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 04:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 04:19	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 04:19	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 04:19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.20.2020 04:19		
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.20.2020 04:19		



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3142937
MB Sample Id: 7715678-1-BLK

Matrix: Solid
LCS Sample Id: 7715678-1-BKS

Prep Method: E300P
Date Prep: 11.20.2020
LCSD Sample Id: 7715678-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.00	250.0	255.5	102	257.3	103	90-110	1	20	mg/kg	11.20.2020 10:46	

Analytical Method: Chloride by EPA 300

Seq Number: 3142938
MB Sample Id: 7715679-1-BLK

Matrix: Solid
LCS Sample Id: 7715679-1-BKS

Prep Method: E300P
Date Prep: 11.20.2020
LCSD Sample Id: 7715679-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.00	250.0	254.4	102	256.1	102	90-110	1	20	mg/kg	11.20.2020 13:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3142937
Parent Sample Id: 678408-001

Matrix: Soil
MS Sample Id: 678408-001 S

Prep Method: E300P
Date Prep: 11.20.2020
MSD Sample Id: 678408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	25.30	201.0	215.5	95	213.9	94	90-110	1	20	mg/kg	11.20.2020 11:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3142937
Parent Sample Id: 678408-011

Matrix: Soil
MS Sample Id: 678408-011 S

Prep Method: E300P
Date Prep: 11.20.2020
MSD Sample Id: 678408-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	96.49	200.0	300.8	102	303.8	104	90-110	1	20	mg/kg	11.20.2020 12:14	

Analytical Method: Chloride by EPA 300

Seq Number: 3142938
Parent Sample Id: 678408-021

Matrix: Soil
MS Sample Id: 678408-021 S

Prep Method: E300P
Date Prep: 11.20.2020
MSD Sample Id: 678408-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	151.9	199.0	357.6	103	361.0	105	90-110	1	20	mg/kg	11.20.2020 14:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3142938
Parent Sample Id: 678408-031

Matrix: Soil
MS Sample Id: 678408-031 S

Prep Method: E300P
Date Prep: 11.20.2020
MSD Sample Id: 678408-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	254.6	199.0	454.7	101	462.2	104	90-110	2	20	mg/kg	11.20.2020 16:10	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142900

MB Sample Id: 7715571-1-BLK

Matrix: Solid

LCS Sample Id: 7715571-1-BKS

Prep Method: SW8015P

Date Prep: 11.19.2020

LCSD Sample Id: 7715571-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	966	97	968	97	70-135	0	35	mg/kg	11.19.2020 14:06	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1110	111	70-135	1	35	mg/kg	11.19.2020 14:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		133		117		70-135	%	11.19.2020 14:06
o-Terphenyl	105		106		106		70-135	%	11.19.2020 14:06

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142902

MB Sample Id: 7715572-1-BLK

Matrix: Solid

LCS Sample Id: 7715572-1-BKS

Prep Method: SW8015P

Date Prep: 11.19.2020

LCSD Sample Id: 7715572-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	978	98	993	99	70-135	2	35	mg/kg	11.19.2020 23:55	
Diesel Range Organics (DRO)	<50.0	1000	1120	112	1150	115	70-135	3	35	mg/kg	11.19.2020 23:55	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		118		121		70-135	%	11.19.2020 23:55
o-Terphenyl	110		106		110		70-135	%	11.19.2020 23:55

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142903

MB Sample Id: 7715574-1-BLK

Matrix: Solid

LCS Sample Id: 7715574-1-BKS

Prep Method: SW8015P

Date Prep: 11.19.2020

LCSD Sample Id: 7715574-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1170	117	1120	112	70-135	4	35	mg/kg	11.19.2020 23:55	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1100	110	70-135	8	35	mg/kg	11.19.2020 23:55	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	126		111		111		70-135	%	11.19.2020 23:55
o-Terphenyl	124		126		114		70-135	%	11.19.2020 23:55

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142900

Matrix: Solid
MB Sample Id: 7715571-1-BLK

Prep Method: SW8015P

Date Prep: 11.19.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.19.2020 13:46	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod
Seq Number: 3142902

Matrix: Solid
MB Sample Id: 7715574-1-BLK

Prep Method: SW8015P
Date Prep: 11.19.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.19.2020 23:35	

Analytical Method: TPH By SW8015 Mod
Seq Number: 3142903

Matrix: Solid
MB Sample Id: 7715574-1-BLK

Prep Method: SW8015P
Date Prep: 11.19.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.19.2020 23:35	

Analytical Method: TPH By SW8015 Mod
Seq Number: 3142900
Parent Sample Id: 678408-001

Matrix: Soil
MS Sample Id: 678408-001 S

Prep Method: SW8015P
Date Prep: 11.19.2020
MSD Sample Id: 678408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1130	113	1090	109	70-135	4	35	mg/kg	11.19.2020 15:07	
Diesel Range Organics (DRO)	<50.0	1000	1060	106	994	100	70-135	6	35	mg/kg	11.19.2020 15:07	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		108		70-135	%	11.19.2020 15:07
o-Terphenyl	116		106		70-135	%	11.19.2020 15:07

Analytical Method: TPH By SW8015 Mod
Seq Number: 3142902
Parent Sample Id: 678408-021

Matrix: Soil
MS Sample Id: 678408-021 S

Prep Method: SW8015P
Date Prep: 11.19.2020
MSD Sample Id: 678408-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	1050	105	1120	112	70-135	6	35	mg/kg	11.20.2020 00:56	
Diesel Range Organics (DRO)	<49.9	998	1140	114	1100	110	70-135	4	35	mg/kg	11.20.2020 00:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		114		70-135	%	11.20.2020 00:56
o-Terphenyl	104		110		70-135	%	11.20.2020 00:56

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3142903

Parent Sample Id: 678408-031

Matrix: Soil

MS Sample Id: 678408-031 S

Prep Method: SW8015P

Date Prep: 11.19.2020

MSD Sample Id: 678408-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1100	110	1120	112	70-135	2	35	mg/kg	11.20.2020 00:56	
Diesel Range Organics (DRO)	<50.2	1000	1140	114	1070	107	70-135	6	35	mg/kg	11.20.2020 00:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		115		70-135	%	11.20.2020 00:56
o-Terphenyl	112		106		70-135	%	11.20.2020 00:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142893

MB Sample Id: 7715580-1-BLK

Matrix: Solid

LCS Sample Id: 7715580-1-BKS

Prep Method: SW5035A

Date Prep: 11.19.2020

LCSD Sample Id: 7715580-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.109	109	0.105	105	70-130	4	35	mg/kg	11.19.2020 16:48	
Toluene	<0.00200	0.100	0.102	102	0.0997	100	70-130	2	35	mg/kg	11.19.2020 16:48	
Ethylbenzene	<0.00200	0.100	0.0942	94	0.0918	92	71-129	3	35	mg/kg	11.19.2020 16:48	
m,p-Xylenes	<0.00400	0.200	0.191	96	0.187	94	70-135	2	35	mg/kg	11.19.2020 16:48	
o-Xylene	<0.00200	0.100	0.0953	95	0.0926	93	71-133	3	35	mg/kg	11.19.2020 16:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		100		100		70-130	%	11.19.2020 16:48
4-Bromofluorobenzene	90		86		87		70-130	%	11.19.2020 16:48

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142894

MB Sample Id: 7715581-1-BLK

Matrix: Solid

LCS Sample Id: 7715581-1-BKS

Prep Method: SW5035A

Date Prep: 11.19.2020

LCSD Sample Id: 7715581-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0932	93	0.0913	91	70-130	2	35	mg/kg	11.19.2020 18:57	
Toluene	<0.00200	0.100	0.0902	90	0.0870	87	70-130	4	35	mg/kg	11.19.2020 18:57	
Ethylbenzene	<0.00200	0.100	0.0957	96	0.0879	88	71-129	8	35	mg/kg	11.19.2020 18:57	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.180	90	70-135	2	35	mg/kg	11.19.2020 18:57	
o-Xylene	<0.00200	0.100	0.0930	93	0.0899	90	71-133	3	35	mg/kg	11.19.2020 18:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		99		97		70-130	%	11.19.2020 18:57
4-Bromofluorobenzene	118		108		106		70-130	%	11.19.2020 18:57

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142893
Parent Sample Id: 678408-001

Matrix: Soil
MS Sample Id: 678408-001 S

Prep Method: SW5035A
Date Prep: 11.19.2020
MSD Sample Id: 678408-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.110	110	70-130	7	35	mg/kg	11.20.2020 03:14	
Toluene	<0.00200	0.100	0.0988	99	0.102	102	70-130	3	35	mg/kg	11.20.2020 03:14	
Ethylbenzene	<0.00200	0.100	0.0903	90	0.0934	93	71-129	3	35	mg/kg	11.20.2020 03:14	
m,p-Xylenes	<0.00401	0.200	0.182	91	0.189	94	70-135	4	35	mg/kg	11.20.2020 03:14	
o-Xylene	<0.00200	0.100	0.0915	92	0.0944	94	71-133	3	35	mg/kg	11.20.2020 03:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		70-130	%	11.20.2020 03:14
4-Bromofluorobenzene	85		88		70-130	%	11.20.2020 03:14

Analytical Method: BTEX by EPA 8021B

Seq Number: 3142894
Parent Sample Id: 678408-021

Matrix: Soil
MS Sample Id: 678408-021 S

Prep Method: SW5035A
Date Prep: 11.19.2020
MSD Sample Id: 678408-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0498	0.0585	117	0.0600	120	70-130	3	35	mg/kg	11.19.2020 19:42	
Toluene	<0.00199	0.0498	0.0541	109	0.0520	104	70-130	4	35	mg/kg	11.19.2020 19:42	
Ethylbenzene	<0.00199	0.0498	0.0510	102	0.0514	103	71-129	1	35	mg/kg	11.19.2020 19:42	
m,p-Xylenes	<0.00398	0.0996	0.104	104	0.100	100	70-135	4	35	mg/kg	11.19.2020 19:42	
o-Xylene	<0.00199	0.0498	0.0502	101	0.0490	98	71-133	2	35	mg/kg	11.19.2020 19:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	11.19.2020 19:42
4-Bromofluorobenzene	113		116		70-130	%	11.19.2020 19:42

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Environment Testing
Xenco

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

Chain of Custody

Work Order No: 678408

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solars Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarsmidstream.com

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Solars- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Number:	1000ENVV	Due Date:		
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm		
Sampler's Name:	J.Ferguson			
PO #:				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Sample Comments							
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0																
CWSW-18	S	11/16/20	0920	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
CES-19	S	11/16/20	1040	2.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CWSW-19	S	11/16/20	1045	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ChSE-19	S	11/16/20	1145	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CES-20	S	11/16/20	1315	2.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CWSW-20	S	11/16/20	1320	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CWSW-20	S	11/16/20	1430	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CES-21	S	11/16/20	1435	3.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CWSW-21	S	11/16/20	0920	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CWSE-21	S	11/17/20	0925	1.5'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/16/20 1640			



Chain of Custody

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

Work Order No: 678408

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	ferguson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADAPT Other: _____

Project Name: Solaris- Lobo to Eddy State ARV Release
 Project Number: 1000ENVY Routine Rush
 Project Location: Eddy County, NM
 Sampler's Name: J.Ferguson
 PO #: _____
 Due Date: _____
 TAT starts the day received by the lab, if received by 4:30pm

Turn Around Parameters
 Yes No Wet Ice: Yes No
 Samples Received In tact: Yes No Thermometer ID: T011003
 Cooler Custody Seals: Yes No Correction Factor: -0.2
 Sample Custody Seals: Yes No Temperature Reading: 4.2
 Total Containers: Yes No N/A Corrected Temperature: 4.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
QMSW-25	S	11/18/20	0920	2.0'	Comp	1	BTEX 8021B	None: NO	
QFS-25	S	11/18/20	0925	4.0'	Comp	1	TPH (GRO+DRO+MRO) 8015M	Cool: Cool	
QMSW-25	S	11/18/20	0955	2.0'	Comp	1	Chloride EPA 300.0	HCL: HC	
QMSW-26	S	11/18/20	1000	2.0'	Comp	1		H ₂ SO ₄ : H ₂	
QFS-26	S	11/18/20	1005	2.0'	Comp	1		H ₃ PO ₄ : HP	
QMSW-27	S	11/18/20	1010	4.0'	Comp	1		NaHSO ₄ : NABIS	
QFS-27	S	11/18/20	1130	4.0'	Comp	1		Na ₂ S ₂ O ₃ : NaSO ₃	
QMSW-27	S	11/18/20	1155	2.0'	Comp	1		Zn Acetate+NaOH: Zn	
QMSW-28	S	11/18/20	1210	2.0'	Comp	1		NaOH+Ascorbic Acid: SAPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	11/18/20 10:40	[Signature]	[Signature]	

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.18.2020 04.40.00 PM

Work Order #: 678408

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.19.2020
Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.20.2020
Jessica Kramer

Certificate of Analysis Summary 678677

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.20.2020 15:56
Report Date: 11.25.2020 15:34
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678677-001	678677-002	678677-003	678677-004	678677-005	678677-006
	<i>Field Id:</i>	CWSE-31	CWSW-31	CFS-31	CWSE-32	CFS-32	CWSE-33
	<i>Depth:</i>	2.0- ft	2.0- ft	4.0- ft	2.0- ft	4.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.19.2020 09:20	11.19.2020 09:25	11.19.2020 09:30	11.19.2020 09:50	11.19.2020 09:55	11.19.2020 13:40
BTEX by EPA 8021B	<i>Extracted:</i>	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27
	<i>Analyzed:</i>	11.23.2020 14:13	11.23.2020 14:36	11.23.2020 14:58	11.23.2020 15:20	11.23.2020 15:43	11.23.2020 16:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398	<0.00398 0.00398	<0.00403 0.00403	<0.00403 0.00403
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202
Total Xylenes		<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.001990 0.001990	<0.002020 0.002020	<0.002020 0.002020
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.001990 0.001990	<0.002020 0.002020	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09
	<i>Analyzed:</i>	11.23.2020 18:21	11.23.2020 18:36	11.23.2020 18:41	11.23.2020 18:46	11.23.2020 18:52	11.23.2020 19:07
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<9.96 9.96	329 50.4	3650 200	225 49.7	4610 198	819 49.9
TPH By SW8015 Mod	<i>Extracted:</i>	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30
	<i>Analyzed:</i>	11.23.2020 14:48	11.23.2020 16:08	11.23.2020 16:31	11.23.2020 16:51	11.23.2020 17:11	11.23.2020 17:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.0 50.0	<49.8 49.8
Diesel Range Organics (DRO)		<50.1 50.1	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.0 50.0	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<49.8 49.8	<50.1 50.1	<50.2 50.2	<50.0 50.0	<49.8 49.8
Total TPH		<50.10 50.10	<49.80 49.80	<50.10 50.10	<50.20 50.20	<50.00 50.00	<49.80 49.80

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 678677

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.20.2020 15:56
Report Date: 11.25.2020 15:34
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678677-007	678677-008	678677-009	678677-010	678677-011	678677-012
	<i>Field Id:</i>	CFS-33	CWSW-32	CWSW-33	CWSW-34	CFS-34	CWSE-34
	<i>Depth:</i>	4.0- ft	2.0- ft	2.0- ft	2.0- ft	4.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.19.2020 13:45	11.19.2020 14:00	11.19.2020 14:30	11.19.2020 15:20	11.19.2020 15:25	11.20.2020 09:05
BTEX by EPA 8021B	<i>Extracted:</i>	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27
	<i>Analyzed:</i>	11.23.2020 16:28	11.23.2020 16:50	11.23.2020 17:13	11.23.2020 22:16	11.23.2020 18:55	11.23.2020 19:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Toluene		<0.00201 0.00201	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Ethylbenzene		<0.00201 0.00201	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
m,p-Xylenes		<0.00402 0.00402	<0.00399 0.00399	<0.00397 0.00397	<0.00399 0.00399	<0.00399 0.00399	<0.00402 0.00402
o-Xylene		<0.00201 0.00201	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Total Xylenes		<0.002010 0.002010	<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010
Total BTEX		<0.002010 0.002010	<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010
Chloride by EPA 300	<i>Extracted:</i>	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09
	<i>Analyzed:</i>	11.23.2020 19:12	11.23.2020 19:17	11.23.2020 19:23	11.23.2020 19:28	11.23.2020 19:33	11.23.2020 19:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3820 200	354 50.1	576 49.6	299 49.8	3310 199	198 49.9
TPH By SW8015 Mod	<i>Extracted:</i>	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30
	<i>Analyzed:</i>	11.23.2020 17:52	11.23.2020 18:12	11.23.2020 18:33	11.23.2020 19:13	11.23.2020 19:34	11.23.2020 19:54
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.2 50.2	<50.2 50.2
Diesel Range Organics (DRO)		<50.2 50.2	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.2 50.2	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.2 50.2	<50.2 50.2
Total TPH		<50.20 50.20	<50.10 50.10	<50.20 50.20	<50.00 50.00	<50.20 50.20	<50.20 50.20

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 678677

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.20.2020 15:56
Report Date: 11.25.2020 15:34
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678677-013	678677-014	678677-015	678677-016	678677-017	678677-018
	<i>Field Id:</i>	CWSE-35	CWSW-35	CFS-35	CWSE-36	CFS-36	CWSW-37
	<i>Depth:</i>	2.0- ft	2.0- ft	4.0- ft	2.0- ft	4.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.20.2020 09:15	11.20.2020 09:20	11.20.2020 09:25	11.20.2020 11:00	11.20.2020 11:05	11.20.2020 11:20
BTEX by EPA 8021B	<i>Extracted:</i>	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27	11.23.2020 10:27
	<i>Analyzed:</i>	11.23.2020 19:39	11.23.2020 20:02	11.23.2020 20:24	11.23.2020 20:47	11.23.2020 21:09	11.23.2020 21:31
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Toluene		<0.00202 0.00202	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Ethylbenzene		<0.00202 0.00202	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
m,p-Xylenes		<0.00403 0.00403	<0.00397 0.00397	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397	<0.00396 0.00396
o-Xylene		<0.00202 0.00202	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198
Total Xylenes		<0.002020 0.002020	<0.001980 0.001980	<0.001990 0.001990	<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980
Total BTEX		<0.002020 0.002020	<0.001980 0.001980	<0.001990 0.001990	<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980
Chloride by EPA 300	<i>Extracted:</i>	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 12:09
	<i>Analyzed:</i>	11.23.2020 19:54	11.23.2020 20:09	11.23.2020 20:14	11.23.2020 20:20	11.23.2020 20:25	11.23.2020 20:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		103 49.6	239 49.9	4750 201	50.2 49.5	8090 496	598 49.8
TPH By SW8015 Mod	<i>Extracted:</i>	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30
	<i>Analyzed:</i>	11.23.2020 14:48	11.23.2020 15:48	11.23.2020 16:08	11.23.2020 16:31	11.23.2020 16:51	11.23.2020 17:11
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<50.0 50.0
Diesel Range Organics (DRO)		<50.1 50.1	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<50.0 50.0
Total TPH		<50.10 50.10	<50.00 50.00	<50.10 50.10	<50.00 50.00	<49.80 49.80	<50.00 50.00

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 678677

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Fri 11.20.2020 15:56
Report Date: 11.25.2020 15:34
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	678677-019	678677-020	678677-021	678677-022	678677-023	678677-024
	<i>Field Id:</i>	CFS-37	CWSW-36	CWSE-37	CFS-38	CWSE-39	CFS-39
	<i>Depth:</i>	4.0- ft	2.0- ft	2.0- ft	4.0- ft	2.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.20.2020 11:25	11.20.2020 11:40	11.20.2020 12:00	11.20.2020 14:00	11.20.2020 14:10	11.20.2020 14:15
BTEX by EPA 8021B	<i>Extracted:</i>	11.23.2020 10:27	11.23.2020 10:30	11.23.2020 10:30	11.23.2020 10:30	11.23.2020 10:30	11.23.2020 10:30
	<i>Analyzed:</i>	11.23.2020 21:54	11.24.2020 05:24	11.24.2020 02:03	11.24.2020 02:25	11.24.2020 02:48	11.24.2020 03:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00401 0.00401	<0.00397 0.00397	<0.00397 0.00397	<0.00398 0.00398
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199
Total Xylenes		<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980	<0.001990 0.001990
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	11.23.2020 12:09	11.23.2020 12:09	11.23.2020 14:15	11.23.2020 14:15	11.23.2020 14:15	11.23.2020 14:15
	<i>Analyzed:</i>	11.23.2020 20:35	11.23.2020 20:40	11.23.2020 21:11	11.23.2020 21:27	11.23.2020 21:32	11.23.2020 21:37
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		5920 198	306 49.5	122 49.5	6090 200	51.8 49.9	2910 200
TPH By SW8015 Mod	<i>Extracted:</i>	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30	11.23.2020 12:30
	<i>Analyzed:</i>	11.23.2020 17:32	11.23.2020 17:52	11.23.2020 18:12	11.23.2020 18:33	11.23.2020 19:13	11.23.2020 19:34
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.3 50.3	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.8 49.8	<50.3 50.3
Diesel Range Organics (DRO)		<50.3 50.3	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.8 49.8	<50.3 50.3
Motor Oil Range Hydrocarbons (MRO)		<50.3 50.3	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.8 49.8	<50.3 50.3
Total TPH		<50.30 50.30	<50.10 50.10	<50.00 50.00	<49.80 49.80	<49.80 49.80	<50.30 50.30

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 678677

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

11.25.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.25.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **678677**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 678677. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 678677 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 678677

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CWSE-31	S	11.19.2020 09:20	2.0 ft	678677-001
CWSW-31	S	11.19.2020 09:25	2.0 ft	678677-002
CFS-31	S	11.19.2020 09:30	4.0 ft	678677-003
CWSE-32	S	11.19.2020 09:50	2.0 ft	678677-004
CFS-32	S	11.19.2020 09:55	4.0 ft	678677-005
CWSE-33	S	11.19.2020 13:40	2.0 ft	678677-006
CFS-33	S	11.19.2020 13:45	4.0 ft	678677-007
CWSW-32	S	11.19.2020 14:00	2.0 ft	678677-008
CWSW-33	S	11.19.2020 14:30	2.0 ft	678677-009
CWSW-34	S	11.19.2020 15:20	2.0 ft	678677-010
CFS-34	S	11.19.2020 15:25	4.0 ft	678677-011
CWSE-34	S	11.20.2020 09:05	2.0 ft	678677-012
CWSE-35	S	11.20.2020 09:15	2.0 ft	678677-013
CWSW-35	S	11.20.2020 09:20	2.0 ft	678677-014
CFS-35	S	11.20.2020 09:25	4.0 ft	678677-015
CWSE-36	S	11.20.2020 11:00	2.0 ft	678677-016
CFS-36	S	11.20.2020 11:05	4.0 ft	678677-017
CWSW-37	S	11.20.2020 11:20	2.0 ft	678677-018
CFS-37	S	11.20.2020 11:25	4.0 ft	678677-019
CWSW-36	S	11.20.2020 11:40	2.0 ft	678677-020
CWSE-37	S	11.20.2020 12:00	2.0 ft	678677-021
CFS-38	S	11.20.2020 14:00	4.0 ft	678677-022
CWSE-39	S	11.20.2020 14:10	2.0 ft	678677-023
CFS-39	S	11.20.2020 14:15	4.0 ft	678677-024



CASE NARRATIVE

Client Name: SDR Enterprise

Project Name: Solaris- Lobo to Eddy State ARV Release

Project ID: 1000ENV
Work Order Number(s): 678677

Report Date: 11.25.2020
Date Received: 11.20.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-31** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-001 Date Collected: 11.19.2020 09:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	11.23.2020 18:21	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 14:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.23.2020 14:48	
o-Terphenyl	84-15-1	106	%	70-135	11.23.2020 14:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-31 **Matrix:** Soil **Date Received:** 11.20.2020 15:56
Lab Sample Id: 678677-001 **Date Collected:** 11.19.2020 09:20 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.23.2020 10:27 **Basis:** Wet Weight
Seq Number: 3143144

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.23.2020 14:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 14:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 14:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 14:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 14:13	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 14:13	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 14:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.23.2020 14:13	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.23.2020 14:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-31** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-002 Date Collected: 11.19.2020 09:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	329	50.4	mg/kg	11.23.2020 18:36		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.23.2020 16:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 16:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 16:08	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 16:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	11.23.2020 16:08	
o-Terphenyl	84-15-1	105	%	70-135	11.23.2020 16:08	



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-31** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-002 Date Collected: 11.19.2020 09:25 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.23.2020 14:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 14:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 14:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 14:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 14:36	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 14:36	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 14:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 14:36	
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.23.2020 14:36	



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-31** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-003 Date Collected: 11.19.2020 09:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3650	200	mg/kg	11.23.2020 18:41		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 16:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 16:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 16:31	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 16:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	11.23.2020 16:31	
o-Terphenyl	84-15-1	112	%	70-135	11.23.2020 16:31	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-004 Date Collected: 11.19.2020 09:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	225	49.7	mg/kg	11.23.2020 18:46		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.23.2020 16:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.23.2020 16:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.23.2020 16:51	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.23.2020 16:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.23.2020 16:51	
o-Terphenyl	84-15-1	117	%	70-135	11.23.2020 16:51	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-004 Date Collected: 11.19.2020 09:50 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.23.2020 15:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.23.2020 15:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.23.2020 15:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.23.2020 15:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.23.2020 15:20	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.23.2020 15:20	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.23.2020 15:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.23.2020 15:20	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.23.2020 15:20	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-005 Date Collected: 11.19.2020 09:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4610	198	mg/kg	11.23.2020 18:52		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 17:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.23.2020 17:11	
o-Terphenyl	84-15-1	105	%	70-135	11.23.2020 17:11	



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-005 Date Collected: 11.19.2020 09:55 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.23.2020 15:43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.23.2020 15:43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.23.2020 15:43	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.23.2020 15:43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.23.2020 15:43	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.23.2020 15:43	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.23.2020 15:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.23.2020 15:43	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.23.2020 15:43	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-33** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-006 Date Collected: 11.19.2020 13:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	819	49.9	mg/kg	11.23.2020 19:07		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.23.2020 17:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 17:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 17:32	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 17:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.23.2020 17:32	
o-Terphenyl	84-15-1	111	%	70-135	11.23.2020 17:32	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-33 **Matrix:** Soil **Date Received:** 11.20.2020 15:56
Lab Sample Id: 678677-006 **Date Collected:** 11.19.2020 13:40 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.23.2020 10:27 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3143144

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.23.2020 16:05	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.23.2020 16:05	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.23.2020 16:05	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.23.2020 16:05	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.23.2020 16:05	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.23.2020 16:05	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.23.2020 16:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.23.2020 16:05	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.23.2020 16:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-33** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-007 Date Collected: 11.19.2020 13:45 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3820	200	mg/kg	11.23.2020 19:12		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.23.2020 17:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.23.2020 17:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.23.2020 17:52	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.23.2020 17:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.23.2020 17:52	
o-Terphenyl	84-15-1	119	%	70-135	11.23.2020 17:52	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-33** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-007 Date Collected: 11.19.2020 13:45 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.23.2020 16:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.23.2020 16:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.23.2020 16:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.23.2020 16:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.23.2020 16:28	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.23.2020 16:28	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.23.2020 16:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.23.2020 16:28	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 16:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-008 Date Collected: 11.19.2020 14:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	354	50.1	mg/kg	11.23.2020 19:17		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 18:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 18:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 18:12	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 18:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.23.2020 18:12	
o-Terphenyl	84-15-1	102	%	70-135	11.23.2020 18:12	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-32** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-008 Date Collected: 11.19.2020 14:00 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.23.2020 16:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 16:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 16:50	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 16:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 16:50	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 16:50	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 16:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.23.2020 16:50	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.23.2020 16:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-33** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-009 Date Collected: 11.19.2020 14:30 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	576	49.6	mg/kg	11.23.2020 19:23		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.23.2020 18:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.23.2020 18:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.23.2020 18:33	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.23.2020 18:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	11.23.2020 18:33	
o-Terphenyl	84-15-1	113	%	70-135	11.23.2020 18:33	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-33** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-009 Date Collected: 11.19.2020 14:30 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.23.2020 17:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 17:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 17:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 17:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 17:13	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 17:13	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 17:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.23.2020 17:13	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.23.2020 17:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-34** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-010 Date Collected: 11.19.2020 15:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	299	49.8	mg/kg	11.23.2020 19:28		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 19:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 19:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 19:13	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	11.23.2020 19:13	
o-Terphenyl	84-15-1	111	%	70-135	11.23.2020 19:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-34** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-011 Date Collected: 11.19.2020 15:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3310	199	mg/kg	11.23.2020 19:33		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.23.2020 19:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.23.2020 19:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.23.2020 19:34	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.23.2020 19:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.23.2020 19:34	
o-Terphenyl	84-15-1	109	%	70-135	11.23.2020 19:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-34** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-011 Date Collected: 11.19.2020 15:25 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.23.2020 18:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 18:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 18:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 18:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 18:55	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 18:55	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 18:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	11.23.2020 18:55	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.23.2020 18:55	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-34** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-012 Date Collected: 11.20.2020 09:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	198	49.9	mg/kg	11.23.2020 19:49		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143140 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.23.2020 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.23.2020 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.23.2020 19:54	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.23.2020 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.23.2020 19:54	
o-Terphenyl	84-15-1	103	%	70-135	11.23.2020 19:54	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-35** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-013 Date Collected: 11.20.2020 09:15 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	103	49.6	mg/kg	11.23.2020 19:54		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 14:48	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 14:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.23.2020 14:48	
o-Terphenyl	84-15-1	114	%	70-135	11.23.2020 14:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-35** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-013 Date Collected: 11.20.2020 09:15 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.23.2020 19:39	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.23.2020 19:39	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.23.2020 19:39	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.23.2020 19:39	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.23.2020 19:39	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.23.2020 19:39	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.23.2020 19:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.23.2020 19:39	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.23.2020 19:39	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-35** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-014 Date Collected: 11.20.2020 09:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	239	49.9	mg/kg	11.23.2020 20:09		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 15:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 15:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 15:48	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 15:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.23.2020 15:48	
o-Terphenyl	84-15-1	104	%	70-135	11.23.2020 15:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-35** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-015 Date Collected: 11.20.2020 09:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4750	201	mg/kg	11.23.2020 20:14		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 16:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 16:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 16:08	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 16:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	11.23.2020 16:08	
o-Terphenyl	84-15-1	110	%	70-135	11.23.2020 16:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-35** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-015 Date Collected: 11.20.2020 09:25 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.23.2020 20:24	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.23.2020 20:24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.23.2020 20:24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.23.2020 20:24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.23.2020 20:24	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.23.2020 20:24	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.23.2020 20:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.23.2020 20:24	
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.23.2020 20:24	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-36** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-016 Date Collected: 11.20.2020 11:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	50.2	49.5	mg/kg	11.23.2020 20:20		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 16:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 16:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 16:31	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 16:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	11.23.2020 16:31	
o-Terphenyl	84-15-1	106	%	70-135	11.23.2020 16:31	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-36 **Matrix:** Soil **Date Received:** 11.20.2020 15:56
Lab Sample Id: 678677-016 **Date Collected:** 11.20.2020 11:00 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.23.2020 10:27 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3143144

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.23.2020 20:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 20:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 20:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 20:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 20:47	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 20:47	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 20:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.23.2020 20:47	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.23.2020 20:47	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-36** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-017 Date Collected: 11.20.2020 11:05 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8090	496	mg/kg	11.23.2020 20:25		50

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.23.2020 16:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 16:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 16:51	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 16:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.23.2020 16:51	
o-Terphenyl	84-15-1	114	%	70-135	11.23.2020 16:51	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-37** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-018 Date Collected: 11.20.2020 11:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	598	49.8	mg/kg	11.23.2020 20:30		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 17:11	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 17:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.23.2020 17:11	
o-Terphenyl	84-15-1	116	%	70-135	11.23.2020 17:11	



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-37** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-018 Date Collected: 11.20.2020 11:20 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:27 % Moisture:
 Seq Number: 3143144 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.23.2020 21:31	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 21:31	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 21:31	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.23.2020 21:31	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 21:31	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 21:31	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 21:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.23.2020 21:31	
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.23.2020 21:31	



Certificate of Analytical Results 678677

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-37** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-019 Date Collected: 11.20.2020 11:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5920	198	mg/kg	11.23.2020 20:35		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.23.2020 17:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.23.2020 17:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.23.2020 17:32	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.23.2020 17:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	11.23.2020 17:32	
o-Terphenyl	84-15-1	113	%	70-135	11.23.2020 17:32	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-36** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-020 Date Collected: 11.20.2020 11:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 12:09 % Moisture:
 Seq Number: 3143167 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	306	49.5	mg/kg	11.23.2020 20:40		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.23.2020 17:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.23.2020 17:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.23.2020 17:52	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.23.2020 17:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.23.2020 17:52	
o-Terphenyl	84-15-1	111	%	70-135	11.23.2020 17:52	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-36** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-020 Date Collected: 11.20.2020 11:40 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:30 % Moisture:
 Seq Number: 3143146 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.24.2020 05:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.24.2020 05:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.24.2020 05:24	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.24.2020 05:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.24.2020 05:24	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.24.2020 05:24	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.24.2020 05:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.24.2020 05:24	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.24.2020 05:24	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-37** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-021 Date Collected: 11.20.2020 12:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 14:15 % Moisture:
 Seq Number: 3143168 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	122	49.5	mg/kg	11.23.2020 21:11		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.23.2020 18:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.23.2020 18:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.23.2020 18:12	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.23.2020 18:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.23.2020 18:12	
o-Terphenyl	84-15-1	122	%	70-135	11.23.2020 18:12	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-37** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-021 Date Collected: 11.20.2020 12:00 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:30 % Moisture:
 Seq Number: 3143146 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.24.2020 02:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.24.2020 02:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.24.2020 02:03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.24.2020 02:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.24.2020 02:03	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.24.2020 02:03	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.24.2020 02:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.24.2020 02:03	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.24.2020 02:03	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-38** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-022 Date Collected: 11.20.2020 14:00 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 14:15 % Moisture:
 Seq Number: 3143168 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6090	200	mg/kg	11.23.2020 21:27		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.23.2020 18:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 18:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 18:33	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 18:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	11.23.2020 18:33	
o-Terphenyl	84-15-1	107	%	70-135	11.23.2020 18:33	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-39** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-023 Date Collected: 11.20.2020 14:10 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:30 % Moisture:
 Seq Number: 3143146 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.24.2020 02:48	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.24.2020 02:48	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.24.2020 02:48	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.24.2020 02:48	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.24.2020 02:48	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.24.2020 02:48	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.24.2020 02:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.24.2020 02:48	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.24.2020 02:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-39** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-024 Date Collected: 11.20.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 14:15 % Moisture:
 Seq Number: 3143168 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2910	200	mg/kg	11.23.2020 21:37		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.23.2020 12:30 % Moisture:
 Seq Number: 3143142 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.23.2020 19:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.23.2020 19:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.23.2020 19:34	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.23.2020 19:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.23.2020 19:34	
o-Terphenyl	84-15-1	118	%	70-135	11.23.2020 19:34	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-39** Matrix: Soil Date Received: 11.20.2020 15:56
 Lab Sample Id: 678677-024 Date Collected: 11.20.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.23.2020 10:30 % Moisture:
 Seq Number: 3143146 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.24.2020 03:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.24.2020 03:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.24.2020 03:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.24.2020 03:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.24.2020 03:10	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.24.2020 03:10	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.24.2020 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.24.2020 03:10	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.24.2020 03:10	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3143167

MB Sample Id: 7715803-1-BLK

Matrix: Solid

LCS Sample Id: 7715803-1-BKS

Prep Method: E300P

Date Prep: 11.23.2020

LCSD Sample Id: 7715803-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	245	98	241	96	90-110	2	20	mg/kg	11.23.2020 18:10	

Analytical Method: Chloride by EPA 300

Seq Number: 3143168

MB Sample Id: 7715806-1-BLK

Matrix: Solid

LCS Sample Id: 7715806-1-BKS

Prep Method: E300P

Date Prep: 11.23.2020

LCSD Sample Id: 7715806-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	244	98	243	97	90-110	0	20	mg/kg	11.23.2020 21:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3143167

Parent Sample Id: 678677-001

Matrix: Soil

MS Sample Id: 678677-001 S

Prep Method: E300P

Date Prep: 11.23.2020

MSD Sample Id: 678677-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.1	202	204	101	205	101	90-110	0	20	mg/kg	11.23.2020 18:26	

Analytical Method: Chloride by EPA 300

Seq Number: 3143167

Parent Sample Id: 678677-011

Matrix: Soil

MS Sample Id: 678677-011 S

Prep Method: E300P

Date Prep: 11.23.2020

MSD Sample Id: 678677-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3310	199	3520	106	3500	95	90-110	1	20	mg/kg	11.23.2020 19:38	

Analytical Method: Chloride by EPA 300

Seq Number: 3143168

Parent Sample Id: 678677-021

Matrix: Soil

MS Sample Id: 678677-021 S

Prep Method: E300P

Date Prep: 11.23.2020

MSD Sample Id: 678677-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	122	199	306	92	310	94	90-110	1	20	mg/kg	11.23.2020 21:17	

Analytical Method: Chloride by EPA 300

Seq Number: 3143168

Parent Sample Id: 678682-007

Matrix: Soil

MS Sample Id: 678682-007 S

Prep Method: E300P

Date Prep: 11.23.2020

MSD Sample Id: 678682-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	308	199	502	97	500	96	90-110	0	20	mg/kg	11.23.2020 22:29	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143140

MB Sample Id: 7715859-1-BLK

Matrix: Solid

LCS Sample Id: 7715859-1-BKS

Prep Method: SW8015P

Date Prep: 11.23.2020

LCSD Sample Id: 7715859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1070	107	1030	103	70-135	4	35	mg/kg	11.23.2020 14:07	
Diesel Range Organics (DRO)	<50.0	1000	1260	126	1210	121	70-135	4	35	mg/kg	11.23.2020 14:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		133		117		70-135	%	11.23.2020 14:07
o-Terphenyl	129		122		117		70-135	%	11.23.2020 14:07

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143142

MB Sample Id: 7715858-1-BLK

Matrix: Solid

LCS Sample Id: 7715858-1-BKS

Prep Method: SW8015P

Date Prep: 11.23.2020

LCSD Sample Id: 7715858-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1060	106	70-135	2	35	mg/kg	11.23.2020 14:07	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1040	104	70-135	7	35	mg/kg	11.23.2020 14:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		107		114		70-135	%	11.23.2020 14:07
o-Terphenyl	112		114		106		70-135	%	11.23.2020 14:07

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143140

Matrix: Solid
MB Sample Id: 7715859-1-BLK

Prep Method: SW8015P

Date Prep: 11.23.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.23.2020 13:48	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143142

Matrix: Solid
MB Sample Id: 7715858-1-BLK

Prep Method: SW8015P

Date Prep: 11.23.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.23.2020 13:48	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143140
Parent Sample Id: 678677-001

Matrix: Soil
MS Sample Id: 678677-001 S

Prep Method: SW8015P
Date Prep: 11.23.2020
MSD Sample Id: 678677-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1120	112	1020	102	70-135	9	35	mg/kg	11.23.2020 15:08	
Diesel Range Organics (DRO)	<50.1	1000	1060	106	986	99	70-135	7	35	mg/kg	11.23.2020 15:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		106		70-135	%	11.23.2020 15:08
o-Terphenyl	114		114		70-135	%	11.23.2020 15:08

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143142
Parent Sample Id: 678677-013

Matrix: Soil
MS Sample Id: 678677-013 S

Prep Method: SW8015P
Date Prep: 11.23.2020
MSD Sample Id: 678677-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1150	115	1090	109	70-135	5	35	mg/kg	11.23.2020 15:08	
Diesel Range Organics (DRO)	<50.1	1000	1080	108	996	100	70-135	8	35	mg/kg	11.23.2020 15:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		108		70-135	%	11.23.2020 15:08
o-Terphenyl	113		111		70-135	%	11.23.2020 15:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143144
MB Sample Id: 7715766-1-BLK

Matrix: Solid
LCS Sample Id: 7715766-1-BKS

Prep Method: SW5035A
Date Prep: 11.23.2020
LCSD Sample Id: 7715766-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.104	104	0.0993	99	70-130	5	35	mg/kg	11.23.2020 12:09	
Toluene	<0.00200	0.100	0.0985	99	0.0933	93	70-130	5	35	mg/kg	11.23.2020 12:09	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0966	97	71-129	6	35	mg/kg	11.23.2020 12:09	
m,p-Xylenes	<0.00400	0.200	0.213	107	0.200	100	70-135	6	35	mg/kg	11.23.2020 12:09	
o-Xylene	<0.00200	0.100	0.103	103	0.0980	98	71-133	5	35	mg/kg	11.23.2020 12:09	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		99		98		70-130	%	11.23.2020 12:09
4-Bromofluorobenzene	116		112		107		70-130	%	11.23.2020 12:09

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143146

MB Sample Id: 7715769-1-BLK

Matrix: Solid

LCS Sample Id: 7715769-1-BKS

Prep Method: SW5035A

Date Prep: 11.23.2020

LCSD Sample Id: 7715769-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.100	100	70-130	0	35	mg/kg	11.23.2020 23:58	
Toluene	<0.00200	0.100	0.0929	93	0.0944	94	70-130	2	35	mg/kg	11.23.2020 23:58	
Ethylbenzene	<0.00200	0.100	0.0971	97	0.0962	96	71-129	1	35	mg/kg	11.23.2020 23:58	
m,p-Xylenes	<0.00400	0.200	0.195	98	0.196	98	70-135	1	35	mg/kg	11.23.2020 23:58	
o-Xylene	<0.00200	0.100	0.0967	97	0.0971	97	71-133	0	35	mg/kg	11.23.2020 23:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		97		99		70-130	%	11.23.2020 23:58
4-Bromofluorobenzene	109		106		108		70-130	%	11.23.2020 23:58

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143144

Parent Sample Id: 678677-001

Matrix: Soil

MS Sample Id: 678677-001 S

Prep Method: SW5035A

Date Prep: 11.23.2020

MSD Sample Id: 678677-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0766	77	0.0920	93	70-130	18	35	mg/kg	11.23.2020 12:54	
Toluene	<0.00200	0.0998	0.0717	72	0.0864	87	70-130	19	35	mg/kg	11.23.2020 12:54	
Ethylbenzene	<0.00200	0.0998	0.0704	71	0.0900	91	71-129	24	35	mg/kg	11.23.2020 12:54	
m,p-Xylenes	<0.00399	0.200	0.145	73	0.185	93	70-135	24	35	mg/kg	11.23.2020 12:54	
o-Xylene	<0.00200	0.0998	0.0732	73	0.0912	92	71-133	22	35	mg/kg	11.23.2020 12:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	11.23.2020 12:54
4-Bromofluorobenzene	118		113		70-130	%	11.23.2020 12:54

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143146

Parent Sample Id: 678677-021

Matrix: Soil

MS Sample Id: 678677-021 S

Prep Method: SW5035A

Date Prep: 11.23.2020

MSD Sample Id: 678677-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0960	96	0.0973	97	70-130	1	35	mg/kg	11.24.2020 00:43	
Toluene	<0.00199	0.0996	0.0870	87	0.0891	89	70-130	2	35	mg/kg	11.24.2020 00:43	
Ethylbenzene	<0.00199	0.0996	0.0918	92	0.0907	91	71-129	1	35	mg/kg	11.24.2020 00:43	
m,p-Xylenes	<0.00398	0.199	0.184	92	0.184	92	70-135	0	35	mg/kg	11.24.2020 00:43	
o-Xylene	<0.00199	0.0996	0.0928	93	0.0923	92	71-133	1	35	mg/kg	11.24.2020 00:43	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		102		70-130	%	11.24.2020 00:43
4-Bromofluorobenzene	111		113		70-130	%	11.24.2020 00:43

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



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

Chain of Custody

Work Order No: 16781077

www.xenco.com Page 3 of 3

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 636-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com
Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab. If received by 4:30pm	
Sampler's Name:	J Ferguson	Temp Blank:	Yes No
PO #:		Thermometer ID:	See Page 1
SAMPLE RECEIPT	Samples Received Intact:	Yes No	Correction Factor:
	Cooler Custody Seals:	Yes No	Temperature Reading:
	Sample Custody Seals:	Yes No	Corrected Temperature:
	Total Containers:		

ANALYSIS REQUEST	
BTEX 8021B	
TPH (GRO+DRO+MRO) 8015M	
Chloride EPA 300.0	
Preservative Codes	
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HC	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NASO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPP	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Sample Comments		
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0											
AWSE-37	S	11/20/20	1200	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AWSE-38	S	11/20/20	1400	4.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AWSE-39	S	11/20/20	1410	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AWSE-39	S	11/20/20	1415	4.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$9 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/20/20 1532			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.20.2020 03.56.00 PM

Work Order #: 678677

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6*Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

Samples received in bulk containers.

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.20.2020
Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.23.2020
Jessica Kramer

Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-001	679158-002	679158-003	679158-004	679158-005	679158-006
	<i>Field Id:</i>	CWSW-39	CWSW-40	CWSE-40	CFS-40	CWSE-41	CFS-41
	<i>Depth:</i>	2.0- ft	2.0- ft	2.0- ft	4.0- ft	2.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.23.2020 10:10	11.23.2020 13:45	11.23.2020 13:50	11.23.2020 13:55	11.23.2020 14:10	11.23.2020 14:15
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19
	<i>Analyzed:</i>	11.30.2020 15:48	11.30.2020 16:10	11.30.2020 16:32	11.30.2020 16:55	11.30.2020 17:17	11.30.2020 17:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00401 0.00401	<0.00401 0.00401	<0.00402 0.00402	<0.00396 0.00396	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010	<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990
Total BTEX		<0.002000 0.002000	<0.002000 0.002000	<0.002010 0.002010	<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27
	<i>Analyzed:</i>	11.30.2020 16:43	11.30.2020 16:59	11.30.2020 17:04	11.30.2020 17:09	11.30.2020 17:14	11.30.2020 17:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		370 49.9	116 10.0	70.3 9.92	3200 49.8	230 10.0	4130 50.0
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	11.30.2020 18:11	11.30.2020 19:10	11.30.2020 19:30	11.30.2020 19:50	11.30.2020 20:10	11.30.2020 20:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<49.9 49.9	<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.0 50.0
Diesel Range Organics (DRO)		<50.2 50.2	<49.9 49.9	<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<49.9 49.9	<49.9 49.9	<50.2 50.2	<49.8 49.8	<50.0 50.0
Total TPH		<50.20 50.20	<49.90 49.90	<49.90 49.90	<50.20 50.20	<49.80 49.80	<50.00 50.00

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-007	679158-008	679158-009	679158-010	679158-011	679158-012
	<i>Field Id:</i>	CFS-42	CWSW-41	CWSW-42	CWSE-42	CWSE-43	CFS-43
	<i>Depth:</i>	4.0- ft	2.0- ft	2.0- ft	2.0- ft	2.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.23.2020 14:25	11.24.2020 11:25	11.24.2020 15:05	11.24.2020 15:10	11.24.2020 15:30	11.24.2020 15:35
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19
	<i>Analyzed:</i>	11.30.2020 18:02	11.30.2020 18:24	11.30.2020 18:47	11.30.2020 19:09	11.30.2020 20:29	11.30.2020 20:51
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402	<0.00402 0.00402	<0.00403 0.00403	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.002000 0.002000	<0.002010 0.002010	<0.002010 0.002010	<0.002020 0.002020	<0.002000 0.002000	<0.001990 0.001990
Total BTEX		<0.002000 0.002000	<0.002010 0.002010	<0.002010 0.002010	<0.002020 0.002020	<0.002000 0.002000	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27
	<i>Analyzed:</i>	11.30.2020 17:35	11.30.2020 17:40	11.30.2020 17:46	11.30.2020 17:51	11.30.2020 17:56	11.30.2020 18:11
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		4170 50.2	21.5 9.96	28.6 9.94	87.1 10.0	70.2 10.0	610 9.96
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	11.30.2020 20:50	11.30.2020 21:10	11.30.2020 21:29	11.30.2020 21:49	11.30.2020 22:29	11.30.2020 22:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.1 50.1	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<50.2 50.2	<50.1 50.1	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.1 50.1	<50.1 50.1	<50.2 50.2	<50.0 50.0	<50.0 50.0
Total TPH		<50.20 50.20	<50.10 50.10	<50.10 50.10	<50.20 50.20	<50.00 50.00	<50.00 50.00

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-013	679158-014	679158-015	679158-016	679158-017	679158-018
	<i>Field Id:</i>	CFS-44	CWSW-44	CFS-45	CFS-46	CWSW-46	CFS-47
	<i>Depth:</i>	4.0- ft	2.0- ft	4.0- ft	4.0- ft	2.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.25.2020 11:10	11.25.2020 11:15	11.25.2020 11:50	11.25.2020 11:20	11.25.2020 11:25	11.25.2020 11:55
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:19
	<i>Analyzed:</i>	11.30.2020 21:13	11.30.2020 21:36	11.30.2020 21:58	11.30.2020 22:21	11.30.2020 22:43	11.30.2020 23:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202
Toluene		<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202
m,p-Xylenes		<0.00398 0.00398	<0.00396 0.00396	<0.00403 0.00403	<0.00397 0.00397	<0.00399 0.00399	<0.00403 0.00403
o-Xylene		<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00202 0.00202
Total Xylenes		<0.001990 0.001990	<0.001980 0.001980	<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002020 0.002020
Total BTEX		<0.001990 0.001990	<0.001980 0.001980	<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 15:27
	<i>Analyzed:</i>	11.30.2020 18:16	11.30.2020 18:32	11.30.2020 18:37	11.30.2020 18:42	11.30.2020 18:48	11.30.2020 18:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2210 50.5	73.9 9.96	1480 50.2	108 10.1	2160 50.3	1110 10.1
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	11.30.2020 23:09	11.30.2020 23:29	11.30.2020 23:49	12.01.2020 00:09	12.01.2020 00:28	12.01.2020 00:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.9 49.9
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<50.1 50.1	<50.0 50.0	<49.8 49.8	<49.9 49.9
Total TPH		<49.90 49.90	<50.00 50.00	<50.10 50.10	<50.00 50.00	<49.80 49.80	<49.90 49.90

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Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-019	679158-020	679158-021	679158-022	679158-023	679158-024
	<i>Field Id:</i>	CFS-48	CWSW-48	CFS-50	CWSW-50	CFS-49	CFS-51
	<i>Depth:</i>	4.0- ft	2.0- ft	4.0- ft	2.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.25.2020 11:30	11.25.2020 11:35	11.25.2020 11:40	11.25.2020 11:45	11.25.2020 12:00	11.25.2020 12:05
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:19	11.30.2020 11:19	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22
	<i>Analyzed:</i>	11.30.2020 23:28	11.30.2020 23:50	11.30.2020 15:59	11.30.2020 16:22	11.30.2020 16:44	11.30.2020 17:07
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Toluene		<0.00201 0.00201	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Ethylbenzene		<0.00201 0.00201	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
m,p-Xylenes		<0.00402 0.00402	<0.00404 0.00404	<0.00397 0.00397	<0.00401 0.00401	<0.00402 0.00402	<0.00403 0.00403
o-Xylene		<0.00201 0.00201	<0.00202 0.00202	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Total Xylenes		<0.002010 0.002010	<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002010 0.002010	<0.002020 0.002020
Total BTEX		<0.002010 0.002010	<0.002020 0.002020	<0.001980 0.001980	<0.002000 0.002000	<0.002010 0.002010	<0.002020 0.002020
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 15:27	11.30.2020 15:27	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43
	<i>Analyzed:</i>	11.30.2020 18:58	11.30.2020 19:03	11.30.2020 19:34	11.30.2020 19:50	11.30.2020 19:55	11.30.2020 20:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		465 9.92	251 50.4	485 9.92	268 10.0	650 10.0	2480 50.2
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	12.01.2020 01:08	12.01.2020 01:28	11.30.2020 18:11	11.30.2020 19:10	11.30.2020 19:30	11.30.2020 19:50
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.8 49.8	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.0 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<49.8 49.8	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.8 49.8	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.0 50.0
Total TPH		<49.90 49.90	<49.80 49.80	<49.90 49.90	<49.90 49.90	<50.20 50.20	<50.00 50.00

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Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-025	679158-026	679158-027	679158-028	679158-029	679158-030
	<i>Field Id:</i>	CWSE-45	CWSE-47	CWSE-49	CWSW-52	CFS-52	CFS-53
	<i>Depth:</i>	2.0- ft	2.0- ft	2.0- ft	2.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.25.2020 13:20	11.25.2020 13:25	11.25.2020 13:30	11.25.2020 13:55	11.25.2020 14:00	11.25.2020 14:05
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22
	<i>Analyzed:</i>	11.30.2020 17:29	11.30.2020 17:51	11.30.2020 18:14	11.30.2020 18:36	11.30.2020 18:59	11.30.2020 19:21
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398	<0.00396 0.00396	<0.00403 0.00403	<0.00401 0.00401
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.001980 0.001980	<0.002020 0.002020	<0.002000 0.002000
Total BTEX		<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.001980 0.001980	<0.002020 0.002020	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43
	<i>Analyzed:</i>	11.30.2020 20:05	11.30.2020 20:21	11.30.2020 20:26	11.30.2020 20:31	11.30.2020 20:36	11.30.2020 20:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		31.7 9.90	48.3 9.90	<10.0 10.0	151 10.0	1490 50.3	547 10.0
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	11.30.2020 20:10	11.30.2020 20:30	11.30.2020 20:50	11.30.2020 21:10	11.30.2020 21:29	11.30.2020 21:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.3 50.3	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.1 50.1	<50.2 50.2
Diesel Range Organics (DRO)		<50.3 50.3	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.1 50.1	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3 50.3	<49.9 49.9	<49.9 49.9	<50.2 50.2	<50.1 50.1	<50.2 50.2
Total TPH		<50.30 50.30	<49.90 49.90	<49.90 49.90	<50.20 50.20	<50.10 50.10	<50.20 50.20

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Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-031	679158-032	679158-033	679158-034	679158-035	679158-036
	<i>Field Id:</i>	CWSW-54	CFS-54	CFS-55	CWSW-56	CFS-56	CFS-57
	<i>Depth:</i>	2.0- ft	4.0- ft	4.0- ft	2.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.25.2020 14:10	11.25.2020 14:15	11.25.2020 14:20	11.25.2020 14:25	11.25.2020 14:30	11.25.2020 14:35
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22
	<i>Analyzed:</i>	11.30.2020 20:38	11.30.2020 21:01	11.30.2020 21:23	11.30.2020 21:46	11.30.2020 22:08	11.30.2020 22:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00198 0.00198	<0.00198 0.00198
Toluene		<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00198 0.00198	<0.00198 0.00198
Ethylbenzene		<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00198 0.00198	<0.00198 0.00198
m,p-Xylenes		<0.00402 0.00402	<0.00398 0.00398	<0.00403 0.00403	<0.00404 0.00404	<0.00396 0.00396	<0.00397 0.00397
o-Xylene		<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202	<0.00202 0.00202	<0.00198 0.00198	<0.00198 0.00198
Total Xylenes		<0.002010 0.002010	<0.001990 0.001990	<0.002020 0.002020	<0.002020 0.002020	<0.001980 0.001980	<0.001980 0.001980
Total BTEX		<0.002010 0.002010	<0.001990 0.001990	<0.002020 0.002020	<0.002020 0.002020	<0.001980 0.001980	<0.001980 0.001980
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43
	<i>Analyzed:</i>	11.30.2020 20:46	11.30.2020 21:02	11.30.2020 21:07	11.30.2020 21:23	11.30.2020 21:28	11.30.2020 21:33
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		143 10.0	888 10.1	4180 49.6	21.3 10.0	330 10.0	2380 49.5
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00
	<i>Analyzed:</i>	11.30.2020 22:29	11.30.2020 22:49	11.30.2020 23:09	11.30.2020 23:29	11.30.2020 23:49	12.01.2020 00:09
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<49.9 49.9	<50.4 50.4	<49.8 49.8	<50.3 50.3	<49.9 49.9
Diesel Range Organics (DRO)		<49.8 49.8	<49.9 49.9	<50.4 50.4	<49.8 49.8	<50.3 50.3	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<49.9 49.9	<50.4 50.4	<49.8 49.8	<50.3 50.3	<49.9 49.9
Total TPH		<49.80 49.80	<49.90 49.90	<50.40 50.40	<49.80 49.80	<50.30 50.30	<49.90 49.90

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Certificate of Analysis Summary 679158

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Mon 11.30.2020 08:34
Report Date: 12.02.2020 12:44
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679158-037	679158-038	679158-039	679158-040	679158-041	
	<i>Field Id:</i>	CWSW-58	CFS-58	CFS-59	CWSW-60	CFS-60	
	<i>Depth:</i>	2.0- ft	4.0- ft	4.0- ft	2.0- ft	4.0- ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	11.25.2020 14:40	11.25.2020 14:45	11.25.2020 14:50	11.25.2020 14:50	11.25.2020 14:55	
BTEX by EPA 8021B	<i>Extracted:</i>	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	11.30.2020 11:22	12.01.2020 11:17	
	<i>Analyzed:</i>	11.30.2020 22:53	11.30.2020 23:15	11.30.2020 23:38	12.01.2020 00:00	12.01.2020 14:51	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	
m,p-Xylenes		<0.00399 0.00399	<0.00403 0.00403	<0.00401 0.00401	<0.00402 0.00402	<0.00399 0.00399	
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	
Total Xylenes		<0.002000 0.002000	<0.002020 0.002020	<0.002000 0.002000	<0.002010 0.002010	<0.002000 0.002000	
Total BTEX		<0.002000 0.002000	<0.002020 0.002020	<0.002000 0.002000	<0.002010 0.002010	<0.002000 0.002000	
Chloride by EPA 300	<i>Extracted:</i>	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	11.30.2020 17:43	12.01.2020 12:40	
	<i>Analyzed:</i>	11.30.2020 21:38	11.30.2020 21:43	11.30.2020 21:49	11.30.2020 21:54	12.01.2020 16:26	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		22.0 9.96	164 9.98	551 10.0	67.1 9.98	306 9.94	
TPH By SW8015 Mod	<i>Extracted:</i>	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 14:00	11.30.2020 17:03	
	<i>Analyzed:</i>	12.01.2020 00:28	12.01.2020 00:48	12.01.2020 01:08	12.01.2020 01:28	12.01.2020 03:08	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<50.3 50.3	<49.9 49.9	<49.9 49.9	
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<50.3 50.3	<49.9 49.9	<49.9 49.9	
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<50.3 50.3	<49.9 49.9	<49.9 49.9	
Total TPH		<49.90 49.90	<50.00 50.00	<50.30 50.30	<49.90 49.90	<49.90 49.90	

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Analytical Report 679158

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

12.02.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



12.02.2020

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **679158**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 679158. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 679158 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 679158

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CWSW-39	S	11.23.2020 10:10	2.0 ft	679158-001
CWSW-40	S	11.23.2020 13:45	2.0 ft	679158-002
CWSE-40	S	11.23.2020 13:50	2.0 ft	679158-003
CFS-40	S	11.23.2020 13:55	4.0 ft	679158-004
CWSE-41	S	11.23.2020 14:10	2.0 ft	679158-005
CFS-41	S	11.23.2020 14:15	4.0 ft	679158-006
CFS-42	S	11.23.2020 14:25	4.0 ft	679158-007
CWSW-41	S	11.24.2020 11:25	2.0 ft	679158-008
CWSW-42	S	11.24.2020 15:05	2.0 ft	679158-009
CWSE-42	S	11.24.2020 15:10	2.0 ft	679158-010
CWSE-43	S	11.24.2020 15:30	2.0 ft	679158-011
CFS-43	S	11.24.2020 15:35	4.0 ft	679158-012
CFS-44	S	11.25.2020 11:10	4.0 ft	679158-013
CWSW-44	S	11.25.2020 11:15	2.0 ft	679158-014
CFS-45	S	11.25.2020 11:50	4.0 ft	679158-015
CFS-46	S	11.25.2020 11:20	4.0 ft	679158-016
CWSW-46	S	11.25.2020 11:25	2.0 ft	679158-017
CFS-47	S	11.25.2020 11:55	4.0 ft	679158-018
CFS-48	S	11.25.2020 11:30	4.0 ft	679158-019
CWSW-48	S	11.25.2020 11:35	2.0 ft	679158-020
CFS-50	S	11.25.2020 11:40	4.0 ft	679158-021
CWSW-50	S	11.25.2020 11:45	2.0 ft	679158-022
CFS-49	S	11.25.2020 12:00	4.0 ft	679158-023
CFS-51	S	11.25.2020 12:05	4.0 ft	679158-024
CWSE-45	S	11.25.2020 13:20	2.0 ft	679158-025
CWSE-47	S	11.25.2020 13:25	2.0 ft	679158-026
CWSE-49	S	11.25.2020 13:30	2.0 ft	679158-027
CWSW-52	S	11.25.2020 13:55	2.0 ft	679158-028
CFS-52	S	11.25.2020 14:00	4.0 ft	679158-029
CFS-53	S	11.25.2020 14:05	4.0 ft	679158-030
CWSW-54	S	11.25.2020 14:10	2.0 ft	679158-031
CFS-54	S	11.25.2020 14:15	4.0 ft	679158-032
CFS-55	S	11.25.2020 14:20	4.0 ft	679158-033
CWSW-56	S	11.25.2020 14:25	2.0 ft	679158-034
CFS-56	S	11.25.2020 14:30	4.0 ft	679158-035
CFS-57	S	11.25.2020 14:35	4.0 ft	679158-036
CWSW-58	S	11.25.2020 14:40	2.0 ft	679158-037
CFS-58	S	11.25.2020 14:45	4.0 ft	679158-038
CFS-59	S	11.25.2020 14:50	4.0 ft	679158-039
CWSW-60	S	11.25.2020 14:50	2.0 ft	679158-040
CFS-60	S	11.25.2020 14:55	4.0 ft	679158-041



CASE NARRATIVE

Client Name: *SDR Enterprise*

Project Name: *Solaris- Lobo to Eddy State ARV Release*

Project ID: *1000ENV*
Work Order Number(s): *679158*

Report Date: *12.02.2020*
Date Received: *11.30.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-39** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-001 Date Collected: 11.23.2020 10:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	370	49.9	mg/kg	11.30.2020 16:43		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 18:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 18:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 18:11	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 18:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.30.2020 18:11	
o-Terphenyl	84-15-1	110	%	70-135	11.30.2020 18:11	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-39** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-001 Date Collected: 11.23.2020 10:10 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 15:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 15:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 15:48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 15:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 15:48	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 15:48	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 15:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.30.2020 15:48	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.30.2020 15:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-40** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-002 Date Collected: 11.23.2020 13:45 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	116	10.0	mg/kg	11.30.2020 16:59		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 19:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.30.2020 19:10	
o-Terphenyl	84-15-1	99	%	70-135	11.30.2020 19:10	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-40** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-002 Date Collected: 11.23.2020 13:45 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 16:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 16:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 16:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 16:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 16:10	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 16:10	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 16:10	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.30.2020 16:10	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-40** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-003 Date Collected: 11.23.2020 13:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	70.3	9.92	mg/kg	11.30.2020 17:04		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 19:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 19:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 19:30	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 19:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	11.30.2020 19:30	
o-Terphenyl	84-15-1	101	%	70-135	11.30.2020 19:30	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-40** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-004 Date Collected: 11.23.2020 13:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3200	49.8	mg/kg	11.30.2020 17:09		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 19:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 19:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 19:50	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 19:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.30.2020 19:50	
o-Terphenyl	84-15-1	107	%	70-135	11.30.2020 19:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-41** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-005 Date Collected: 11.23.2020 14:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	230	10.0	mg/kg	11.30.2020 17:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.30.2020 20:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.30.2020 20:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.30.2020 20:10	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.30.2020 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.30.2020 20:10	
o-Terphenyl	84-15-1	107	%	70-135	11.30.2020 20:10	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-41 **Matrix:** Soil **Date Received:** 11.30.2020 08:34
Lab Sample Id: 679158-005 **Date Collected:** 11.23.2020 14:10 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.30.2020 11:19 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3143542

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 17:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 17:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 17:17	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 17:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 17:17	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 17:17	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 17:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.30.2020 17:17	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 17:17	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-41** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-006 Date Collected: 11.23.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4130	50.0	mg/kg	11.30.2020 17:30		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.30.2020 20:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.30.2020 20:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.30.2020 20:30	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.30.2020 20:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.30.2020 20:30	
o-Terphenyl	84-15-1	102	%	70-135	11.30.2020 20:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-41** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-006 Date Collected: 11.23.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.30.2020 17:40	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 17:40	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 17:40	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 17:40	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 17:40	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 17:40	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 17:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 17:40	
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.30.2020 17:40	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-42** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-007 Date Collected: 11.23.2020 14:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4170	50.2	mg/kg	11.30.2020 17:35		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 20:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 20:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 20:50	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 20:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	11.30.2020 20:50	
o-Terphenyl	84-15-1	100	%	70-135	11.30.2020 20:50	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-42**
Lab Sample Id: 679158-007

Matrix: Soil
Date Collected: 11.23.2020 14:25

Date Received: 11.30.2020 08:34
Sample Depth: 4.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.30.2020 11:19

% Moisture:
Basis: Wet Weight

Seq Number: 3143542

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 18:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 18:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 18:02	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 18:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 18:02	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 18:02	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 18:02	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 18:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-41** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-008 Date Collected: 11.24.2020 11:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.5	9.96	mg/kg	11.30.2020 17:40		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.30.2020 21:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.30.2020 21:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.30.2020 21:10	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.30.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	11.30.2020 21:10	
o-Terphenyl	84-15-1	105	%	70-135	11.30.2020 21:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-41**
Lab Sample Id: 679158-008

Matrix: Soil
Date Collected: 11.24.2020 11:25

Date Received: 11.30.2020 08:34
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.30.2020 11:19

% Moisture:
Basis: Wet Weight

Seq Number: 3143542

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.30.2020 18:24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 18:24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 18:24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 18:24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 18:24	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 18:24	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 18:24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 18:24		
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.30.2020 18:24		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-42** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-009 Date Collected: 11.24.2020 15:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.6	9.94	mg/kg	11.30.2020 17:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.30.2020 21:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.30.2020 21:29	
o-Terphenyl	84-15-1	116	%	70-135	11.30.2020 21:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-42** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-009 Date Collected: 11.24.2020 15:05 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.30.2020 18:47	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 18:47	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 18:47	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 18:47	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 18:47	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 18:47	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 18:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 18:47	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.30.2020 18:47	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-42** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-010 Date Collected: 11.24.2020 15:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	87.1	10.0	mg/kg	11.30.2020 17:51		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 21:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	11.30.2020 21:49	
o-Terphenyl	84-15-1	105	%	70-135	11.30.2020 21:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-42** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-010 Date Collected: 11.24.2020 15:10 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 19:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 19:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 19:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 19:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 19:09	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 19:09	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 19:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 19:09	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 19:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-43** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-011 Date Collected: 11.24.2020 15:30 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	70.2	10.0	mg/kg	11.30.2020 17:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.30.2020 22:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.30.2020 22:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.30.2020 22:29	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.30.2020 22:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	11.30.2020 22:29	
o-Terphenyl	84-15-1	102	%	70-135	11.30.2020 22:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-43** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-012 Date Collected: 11.24.2020 15:35 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	610	9.96	mg/kg	11.30.2020 18:11		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.30.2020 22:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.30.2020 22:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.30.2020 22:49	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.30.2020 22:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	11.30.2020 22:49	
o-Terphenyl	84-15-1	98	%	70-135	11.30.2020 22:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-44** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-013 Date Collected: 11.25.2020 11:10 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2210	50.5	mg/kg	11.30.2020 18:16		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 23:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 23:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 23:09	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 23:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	11.30.2020 23:09	
o-Terphenyl	84-15-1	111	%	70-135	11.30.2020 23:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-44** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-014 Date Collected: 11.25.2020 11:15 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	73.9	9.96	mg/kg	11.30.2020 18:32		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.30.2020 23:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.30.2020 23:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.30.2020 23:29	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.30.2020 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	11.30.2020 23:29	
o-Terphenyl	84-15-1	118	%	70-135	11.30.2020 23:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-45** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-015 Date Collected: 11.25.2020 11:50 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1480	50.2	mg/kg	11.30.2020 18:37		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.30.2020 23:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.30.2020 23:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.30.2020 23:49	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.30.2020 23:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	11.30.2020 23:49	
o-Terphenyl	84-15-1	107	%	70-135	11.30.2020 23:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-45** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-015 Date Collected: 11.25.2020 11:50 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 21:58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 21:58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 21:58	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 21:58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 21:58	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 21:58	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 21:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 21:58	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:58	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-46** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-016 Date Collected: 11.25.2020 11:20 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	108	10.1	mg/kg	11.30.2020 18:42		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.01.2020 00:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.01.2020 00:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.01.2020 00:09	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.01.2020 00:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	12.01.2020 00:09	
o-Terphenyl	84-15-1	109	%	70-135	12.01.2020 00:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-46	Matrix: Soil	Date Received: 11.30.2020 08:34
Lab Sample Id: 679158-016	Date Collected: 11.25.2020 11:20	Sample Depth: 4.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 11.30.2020 11:19	Basis: Wet Weight
Seq Number: 3143542		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 22:21	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 22:21	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 22:21	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.30.2020 22:21	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 22:21	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 22:21	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 22:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	11.30.2020 22:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 22:21	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-46** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-017 Date Collected: 11.25.2020 11:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2160	50.3	mg/kg	11.30.2020 18:48		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.01.2020 00:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.01.2020 00:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.01.2020 00:28	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.01.2020 00:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	12.01.2020 00:28	
o-Terphenyl	84-15-1	106	%	70-135	12.01.2020 00:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-46** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-017 Date Collected: 11.25.2020 11:25 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 22:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 22:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 22:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 22:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 22:43	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 22:43	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 22:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.30.2020 22:43	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 22:43	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-47** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-018 Date Collected: 11.25.2020 11:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1110	10.1	mg/kg	11.30.2020 18:53		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 00:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 00:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 00:48	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	12.01.2020 00:48	
o-Terphenyl	84-15-1	116	%	70-135	12.01.2020 00:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-47** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-018 Date Collected: 11.25.2020 11:55 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 23:05	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 23:05	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 23:05	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 23:05	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 23:05	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 23:05	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 23:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 23:05	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 23:05	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-48** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-019 Date Collected: 11.25.2020 11:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	465	9.92	mg/kg	11.30.2020 18:58		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 01:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 01:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 01:08	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	12.01.2020 01:08	
o-Terphenyl	84-15-1	100	%	70-135	12.01.2020 01:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-48** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-019 Date Collected: 11.25.2020 11:30 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:19 % Moisture:
 Seq Number: 3143542 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.30.2020 23:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 23:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 23:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 23:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 23:28	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 23:28	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 23:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 23:28	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.30.2020 23:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-48** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-020 Date Collected: 11.25.2020 11:35 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 15:27 % Moisture:
 Seq Number: 3143550 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	251	50.4	mg/kg	11.30.2020 19:03		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143540 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.01.2020 01:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.01.2020 01:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.01.2020 01:28	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.01.2020 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.01.2020 01:28	
o-Terphenyl	84-15-1	103	%	70-135	12.01.2020 01:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-48**
Lab Sample Id: 679158-020

Matrix: Soil
Date Collected: 11.25.2020 11:35

Date Received: 11.30.2020 08:34
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.30.2020 11:19

% Moisture:
Basis: Wet Weight

Seq Number: 3143542

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 23:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 23:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 23:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.30.2020 23:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 23:50	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 23:50	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 23:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 23:50		
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.30.2020 23:50		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-50** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-021 Date Collected: 11.25.2020 11:40 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	485	9.92	mg/kg	11.30.2020 19:34		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 18:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 18:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 18:11	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 18:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.30.2020 18:11	
o-Terphenyl	84-15-1	109	%	70-135	11.30.2020 18:11	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-50** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-021 Date Collected: 11.25.2020 11:40 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 15:59	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 15:59	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 15:59	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.30.2020 15:59	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 15:59	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 15:59	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.30.2020 15:59	
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.30.2020 15:59	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-50** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-022 Date Collected: 11.25.2020 11:45 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	268	10.0	mg/kg	11.30.2020 19:50		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 19:10	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 19:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.30.2020 19:10	
o-Terphenyl	84-15-1	106	%	70-135	11.30.2020 19:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-50** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-022 Date Collected: 11.25.2020 11:45 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 16:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 16:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 16:22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 16:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 16:22	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 16:22	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 16:22	
4-Bromofluorobenzene	460-00-4	95	%	70-130	11.30.2020 16:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-49** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-023 Date Collected: 11.25.2020 12:00 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	650	10.0	mg/kg	11.30.2020 19:55		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 19:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 19:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 19:30	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 19:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	11.30.2020 19:30	
o-Terphenyl	84-15-1	100	%	70-135	11.30.2020 19:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-49** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-023 Date Collected: 11.25.2020 12:00 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.30.2020 16:44	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 16:44	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 16:44	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 16:44	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 16:44	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 16:44	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 16:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 16:44	
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 16:44	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-51** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-024 Date Collected: 11.25.2020 12:05 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2480	50.2	mg/kg	11.30.2020 20:00		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.30.2020 19:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.30.2020 19:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.30.2020 19:50	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.30.2020 19:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	11.30.2020 19:50	
o-Terphenyl	84-15-1	118	%	70-135	11.30.2020 19:50	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-51 **Matrix:** Soil **Date Received:** 11.30.2020 08:34
Lab Sample Id: 679158-024 **Date Collected:** 11.25.2020 12:05 **Sample Depth:** 4.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.30.2020 11:22 **Basis:** Wet Weight
Seq Number: 3143544

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 17:07	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 17:07	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 17:07	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 17:07	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 17:07	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 17:07	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 17:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.30.2020 17:07	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 17:07	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-45** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-025 Date Collected: 11.25.2020 13:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	31.7	9.90	mg/kg	11.30.2020 20:05		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.30.2020 20:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.30.2020 20:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.30.2020 20:10	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.30.2020 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.30.2020 20:10	
o-Terphenyl	84-15-1	106	%	70-135	11.30.2020 20:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-45** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-025 Date Collected: 11.25.2020 13:20 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 17:29	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 17:29	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 17:29	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.30.2020 17:29	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 17:29	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 17:29	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 17:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.30.2020 17:29	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 17:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-47** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-026 Date Collected: 11.25.2020 13:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	48.3	9.90	mg/kg	11.30.2020 20:21		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 20:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 20:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 20:30	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 20:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.30.2020 20:30	
o-Terphenyl	84-15-1	118	%	70-135	11.30.2020 20:30	



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SDR Enterprise, Hobbs, NM
Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSE-47	Matrix: Soil	Date Received: 11.30.2020 08:34
Lab Sample Id: 679158-026	Date Collected: 11.25.2020 13:25	Sample Depth: 2.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		
Analyst: MAB	Date Prep: 11.30.2020 11:22	% Moisture:
Seq Number: 3143544		Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 17:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 17:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 17:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 17:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 17:51	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 17:51	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 17:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 17:51	
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 17:51	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-49** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-027 Date Collected: 11.25.2020 13:30 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	11.30.2020 20:26	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 20:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 20:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 20:50	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 20:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	11.30.2020 20:50	
o-Terphenyl	84-15-1	107	%	70-135	11.30.2020 20:50	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-49**
Lab Sample Id: 679158-027

Matrix: Soil
Date Collected: 11.25.2020 13:30

Date Received: 11.30.2020 08:34
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.30.2020 11:22

% Moisture:
Basis: Wet Weight

Seq Number: 3143544

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.30.2020 18:14	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 18:14	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 18:14	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 18:14	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 18:14	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 18:14	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 18:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 18:14	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.30.2020 18:14	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-52** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-028 Date Collected: 11.25.2020 13:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	151	10.0	mg/kg	11.30.2020 20:31		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 21:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 21:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 21:10	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	11.30.2020 21:10	
o-Terphenyl	84-15-1	104	%	70-135	11.30.2020 21:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-52** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-028 Date Collected: 11.25.2020 13:55 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 18:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 18:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 18:36	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 18:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 18:36	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 18:36	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 18:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 18:36	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 18:36	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-52** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-029 Date Collected: 11.25.2020 14:00 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1490	50.3	mg/kg	11.30.2020 20:36		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.30.2020 21:29	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.30.2020 21:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	11.30.2020 21:29	
o-Terphenyl	84-15-1	112	%	70-135	11.30.2020 21:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-52** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-029 Date Collected: 11.25.2020 14:00 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 18:59	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 18:59	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 18:59	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 18:59	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 18:59	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 18:59	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 18:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 18:59	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 18:59	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-53** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-030 Date Collected: 11.25.2020 14:05 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	547	10.0	mg/kg	11.30.2020 20:41		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	11.30.2020 21:49	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	11.30.2020 21:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	11.30.2020 21:49	
o-Terphenyl	84-15-1	116	%	70-135	11.30.2020 21:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-54** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-031 Date Collected: 11.25.2020 14:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	143	10.0	mg/kg	11.30.2020 20:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.30.2020 22:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.30.2020 22:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.30.2020 22:29	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.30.2020 22:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	11.30.2020 22:29	
o-Terphenyl	84-15-1	114	%	70-135	11.30.2020 22:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-54** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-031 Date Collected: 11.25.2020 14:10 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.30.2020 20:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 20:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 20:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 20:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 20:38	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 20:38	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 20:38	
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.30.2020 20:38	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-54** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-032 Date Collected: 11.25.2020 14:15 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	888	10.1	mg/kg	11.30.2020 21:02		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.30.2020 22:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.30.2020 22:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.30.2020 22:49	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.30.2020 22:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	11.30.2020 22:49	
o-Terphenyl	84-15-1	107	%	70-135	11.30.2020 22:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-55** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-033 Date Collected: 11.25.2020 14:20 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4180	49.6	mg/kg	11.30.2020 21:07		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.4	50.4	mg/kg	11.30.2020 23:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.4	50.4	mg/kg	11.30.2020 23:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.4	50.4	mg/kg	11.30.2020 23:09	U	1
Total TPH	PHC635	<50.40	50.40	mg/kg	11.30.2020 23:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	11.30.2020 23:09	
o-Terphenyl	84-15-1	104	%	70-135	11.30.2020 23:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-55** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-033 Date Collected: 11.25.2020 14:20 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 21:23	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 21:23	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 21:23	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 21:23	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 21:23	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 21:23	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.30.2020 21:23	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:23	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-56** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-034 Date Collected: 11.25.2020 14:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.3	10.0	mg/kg	11.30.2020 21:23		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.30.2020 23:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.30.2020 23:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.30.2020 23:29	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.30.2020 23:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	11.30.2020 23:29	
o-Terphenyl	84-15-1	111	%	70-135	11.30.2020 23:29	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSW-56 **Matrix:** Soil **Date Received:** 11.30.2020 08:34
Lab Sample Id: 679158-034 **Date Collected:** 11.25.2020 14:25 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 11.30.2020 11:22 **Basis:** Wet Weight
Seq Number: 3143544

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.30.2020 21:46	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 21:46	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 21:46	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.30.2020 21:46	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 21:46	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 21:46	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 21:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 21:46	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 21:46	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-56** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-035 Date Collected: 11.25.2020 14:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	330	10.0	mg/kg	11.30.2020 21:28		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	11.30.2020 23:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	11.30.2020 23:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	11.30.2020 23:49	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	11.30.2020 23:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	11.30.2020 23:49	
o-Terphenyl	84-15-1	115	%	70-135	11.30.2020 23:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-56 **Matrix:** Soil **Date Received:** 11.30.2020 08:34
Lab Sample Id: 679158-035 **Date Collected:** 11.25.2020 14:30 **Sample Depth:** 4.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **Date Prep:** 11.30.2020 11:22 **% Moisture:**
Analyst: MAB **Basis:** Wet Weight
Seq Number: 3143544

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 22:08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 22:08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 22:08	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 22:08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 22:08	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 22:08	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 22:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.30.2020 22:08	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 22:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-57** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-036 Date Collected: 11.25.2020 14:35 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2380	49.5	mg/kg	11.30.2020 21:33		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 00:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 00:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 00:09	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 00:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	12.01.2020 00:09	
o-Terphenyl	84-15-1	109	%	70-135	12.01.2020 00:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-57** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-036 Date Collected: 11.25.2020 14:35 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.30.2020 22:30	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 22:30	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 22:30	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.30.2020 22:30	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 22:30	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 22:30	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 22:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.30.2020 22:30	
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.30.2020 22:30	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-58** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-037 Date Collected: 11.25.2020 14:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.0	9.96	mg/kg	11.30.2020 21:38		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 00:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 00:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 00:28	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 00:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	12.01.2020 00:28	
o-Terphenyl	84-15-1	105	%	70-135	12.01.2020 00:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-58** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-037 Date Collected: 11.25.2020 14:40 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 22:53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 22:53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 22:53	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 22:53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 22:53	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 22:53	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 22:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 22:53	
4-Bromofluorobenzene	460-00-4	97	%	70-130	11.30.2020 22:53	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-58** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-038 Date Collected: 11.25.2020 14:45 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	164	9.98	mg/kg	11.30.2020 21:43		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.01.2020 00:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.01.2020 00:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.01.2020 00:48	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.01.2020 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	12.01.2020 00:48	
o-Terphenyl	84-15-1	102	%	70-135	12.01.2020 00:48	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-59** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-039 Date Collected: 11.25.2020 14:50 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	551	10.0	mg/kg	11.30.2020 21:49		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.01.2020 01:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.01.2020 01:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.01.2020 01:08	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.01.2020 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	12.01.2020 01:08	
o-Terphenyl	84-15-1	102	%	70-135	12.01.2020 01:08	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-59** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-039 Date Collected: 11.25.2020 14:50 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.30.2020 23:38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 23:38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 23:38	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 23:38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 23:38	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 23:38	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 23:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.30.2020 23:38	
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.30.2020 23:38	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-60** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-040 Date Collected: 11.25.2020 14:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 17:43 % Moisture:
 Seq Number: 3143551 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	67.1	9.98	mg/kg	11.30.2020 21:54		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 14:00 % Moisture:
 Seq Number: 3143562 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 01:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 01:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 01:28	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	12.01.2020 01:28	
o-Terphenyl	84-15-1	112	%	70-135	12.01.2020 01:28	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-60** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-040 Date Collected: 11.25.2020 14:50 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 11.30.2020 11:22 % Moisture:
 Seq Number: 3143544 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.01.2020 00:00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.01.2020 00:00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.01.2020 00:00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.01.2020 00:00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.01.2020 00:00	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	12.01.2020 00:00	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.01.2020 00:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.01.2020 00:00	
4-Bromofluorobenzene	460-00-4	93	%	70-130	12.01.2020 00:00	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-60** Matrix: Soil Date Received: 11.30.2020 08:34
 Lab Sample Id: 679158-041 Date Collected: 11.25.2020 14:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.01.2020 12:40 % Moisture:
 Seq Number: 3143660 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	306	9.94	mg/kg	12.01.2020 16:26		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.30.2020 17:03 % Moisture:
 Seq Number: 3143541 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.01.2020 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.01.2020 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.01.2020 03:08	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.01.2020 03:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	12.01.2020 03:08	
o-Terphenyl	84-15-1	108	%	70-135	12.01.2020 03:08	



Certificate of Analytical Results 679158

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-60**
Lab Sample Id: 679158-041

Matrix: Soil
Date Collected: 11.25.2020 14:55

Date Received: 11.30.2020 08:34
Sample Depth: 4.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.01.2020 11:17

% Moisture:
Basis: Wet Weight

Seq Number: 3143649

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.01.2020 14:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.01.2020 14:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.01.2020 14:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.01.2020 14:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.01.2020 14:51	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.01.2020 14:51	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.01.2020 14:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.01.2020 14:51	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.01.2020 14:51	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3143550
MB Sample Id: 7716119-1-BLK

Matrix: Solid
LCS Sample Id: 7716119-1-BKS

Prep Method: E300P
Date Prep: 11.30.2020
LCSD Sample Id: 7716119-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	243	97	236	94	90-110	3	20	mg/kg	11.30.2020 16:33	

Analytical Method: Chloride by EPA 300

Seq Number: 3143551
MB Sample Id: 7716121-1-BLK

Matrix: Solid
LCS Sample Id: 7716121-1-BKS

Prep Method: E300P
Date Prep: 11.30.2020
LCSD Sample Id: 7716121-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	243	97	239	96	90-110	2	20	mg/kg	11.30.2020 19:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3143660
MB Sample Id: 7716174-1-BLK

Matrix: Solid
LCS Sample Id: 7716174-1-BKS

Prep Method: E300P
Date Prep: 12.01.2020
LCSD Sample Id: 7716174-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	241	96	239	96	90-110	1	20	mg/kg	12.01.2020 16:14	

Analytical Method: Chloride by EPA 300

Seq Number: 3143550
Parent Sample Id: 679158-001

Matrix: Soil
MS Sample Id: 679158-001 S

Prep Method: E300P
Date Prep: 11.30.2020
MSD Sample Id: 679158-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	370	201	592	110	564	97	90-110	5	20	mg/kg	11.30.2020 16:49	

Analytical Method: Chloride by EPA 300

Seq Number: 3143550
Parent Sample Id: 679158-011

Matrix: Soil
MS Sample Id: 679158-011 S

Prep Method: E300P
Date Prep: 11.30.2020
MSD Sample Id: 679158-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	70.2	200	261	95	260	94	90-110	0	20	mg/kg	11.30.2020 18:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3143551
Parent Sample Id: 679158-021

Matrix: Soil
MS Sample Id: 679158-021 S

Prep Method: E300P
Date Prep: 11.30.2020
MSD Sample Id: 679158-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	485	201	672	93	666	90	90-110	1	20	mg/kg	11.30.2020 19:39	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3143551
Parent Sample Id: 679158-031

Matrix: Soil
MS Sample Id: 679158-031 S

Prep Method: E300P
Date Prep: 11.30.2020
MSD Sample Id: 679158-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	143	201	338	97	341	99	90-110	1	20	mg/kg	11.30.2020 20:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3143660
Parent Sample Id: 679158-041

Matrix: Soil
MS Sample Id: 679158-041 S

Prep Method: E300P
Date Prep: 12.01.2020
MSD Sample Id: 679158-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	306	200	493	94	485	90	90-110	2	20	mg/kg	12.01.2020 16:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3143660
Parent Sample Id: 679266-002

Matrix: Soil
MS Sample Id: 679266-002 S

Prep Method: E300P
Date Prep: 12.01.2020
MSD Sample Id: 679266-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	58.9	200	255	98	248	94	90-110	3	20	mg/kg	12.01.2020 17:44	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143540
MB Sample Id: 7716123-1-BLK

Matrix: Solid
LCS Sample Id: 7716123-1-BKS

Prep Method: SW8015P
Date Prep: 11.30.2020
LCSD Sample Id: 7716123-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1090	109	1140	114	70-135	4	35	mg/kg	11.30.2020 17:31	
Diesel Range Organics (DRO)	<50.0	1000	1120	112	1140	114	70-135	2	35	mg/kg	11.30.2020 17:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		115		107		70-135	%	11.30.2020 17:31
o-Terphenyl	113		113		118		70-135	%	11.30.2020 17:31

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143562
MB Sample Id: 7716125-1-BLK

Matrix: Solid
LCS Sample Id: 7716125-1-BKS

Prep Method: SW8015P
Date Prep: 11.30.2020
LCSD Sample Id: 7716125-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1140	114	990	99	70-135	14	35	mg/kg	11.30.2020 17:31	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1150	115	70-135	13	35	mg/kg	11.30.2020 17:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		102		113		70-135	%	11.30.2020 17:31
o-Terphenyl	116		107		115		70-135	%	11.30.2020 17:31

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143541

MB Sample Id: 7716126-1-BLK

Matrix: Solid

LCS Sample Id: 7716126-1-BKS

Prep Method: SW8015P

Date Prep: 11.30.2020

LCSD Sample Id: 7716126-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1030	103	1000	100	70-135	3	35	mg/kg	12.01.2020 02:28	
Diesel Range Organics (DRO)	<50.0	1000	1070	107	1110	111	70-135	4	35	mg/kg	12.01.2020 02:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		110		103		70-135	%	12.01.2020 02:28
o-Terphenyl	105		118		117		70-135	%	12.01.2020 02:28

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143540

Matrix: Solid

MB Sample Id: 7716123-1-BLK

Prep Method: SW8015P

Date Prep: 11.30.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.30.2020 17:11	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143562

Matrix: Solid

MB Sample Id: 7716125-1-BLK

Prep Method: SW8015P

Date Prep: 11.30.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.30.2020 17:11	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143541

Matrix: Solid

MB Sample Id: 7716126-1-BLK

Prep Method: SW8015P

Date Prep: 11.30.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.01.2020 02:08	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143540

Matrix: Soil

Parent Sample Id: 679158-001

MS Sample Id: 679158-001 S

Prep Method: SW8015P

Date Prep: 11.30.2020

MSD Sample Id: 679158-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1150	115	1080	108	70-135	6	35	mg/kg	11.30.2020 18:31	
Diesel Range Organics (DRO)	<50.2	1000	1140	114	1100	110	70-135	4	35	mg/kg	11.30.2020 18:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		114		70-135	%	11.30.2020 18:31
o-Terphenyl	107		118		70-135	%	11.30.2020 18:31

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143562
Parent Sample Id: 679158-021

Matrix: Soil
MS Sample Id: 679158-021 S

Prep Method: SW8015P
Date Prep: 11.30.2020
MSD Sample Id: 679158-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1140	114	1200	121	70-135	5	35	mg/kg	11.30.2020 18:31	
Diesel Range Organics (DRO)	<50.1	1000	1080	108	991	100	70-135	9	35	mg/kg	11.30.2020 18:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		109		70-135	%	11.30.2020 18:31
o-Terphenyl	106		114		70-135	%	11.30.2020 18:31

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143541
Parent Sample Id: 679158-041

Matrix: Soil
MS Sample Id: 679158-041 S

Prep Method: SW8015P
Date Prep: 11.30.2020
MSD Sample Id: 679158-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1120	112	1060	106	70-135	6	35	mg/kg	12.01.2020 03:29	
Diesel Range Organics (DRO)	<49.9	997	1050	105	997	100	70-135	5	35	mg/kg	12.01.2020 03:29	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		105		70-135	%	12.01.2020 03:29
o-Terphenyl	112		109		70-135	%	12.01.2020 03:29

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143542
MB Sample Id: 7716116-1-BLK

Matrix: Solid
LCS Sample Id: 7716116-1-BKS

Prep Method: SW5035A
Date Prep: 11.30.2020
LCSD Sample Id: 7716116-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0948	95	0.0821	82	70-130	14	35	mg/kg	11.30.2020 13:43	
Toluene	<0.00200	0.100	0.0902	90	0.0777	78	70-130	15	35	mg/kg	11.30.2020 13:43	
Ethylbenzene	<0.00200	0.100	0.0940	94	0.0817	82	71-129	14	35	mg/kg	11.30.2020 13:43	
m,p-Xylenes	<0.00400	0.200	0.195	98	0.170	85	70-135	14	35	mg/kg	11.30.2020 13:43	
o-Xylene	<0.00200	0.100	0.0940	94	0.0828	83	71-133	13	35	mg/kg	11.30.2020 13:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		99		70-130	%	11.30.2020 13:43
4-Bromofluorobenzene	110		105		108		70-130	%	11.30.2020 13:43

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143544

MB Sample Id: 7716118-1-BLK

Matrix: Solid

LCS Sample Id: 7716118-1-BKS

Prep Method: SW5035A

Date Prep: 11.30.2020

LCSD Sample Id: 7716118-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.102	102	70-130	1	35	mg/kg	11.30.2020 13:57	
Toluene	<0.00200	0.100	0.0976	98	0.0992	99	70-130	2	35	mg/kg	11.30.2020 13:57	
Ethylbenzene	<0.00200	0.100	0.0915	92	0.0930	93	71-129	2	35	mg/kg	11.30.2020 13:57	
m,p-Xylenes	<0.00400	0.200	0.185	93	0.188	94	70-135	2	35	mg/kg	11.30.2020 13:57	
o-Xylene	<0.00200	0.100	0.0914	91	0.0926	93	71-133	1	35	mg/kg	11.30.2020 13:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		97		99		70-130	%	11.30.2020 13:57
4-Bromofluorobenzene	90		87		89		70-130	%	11.30.2020 13:57

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143649

MB Sample Id: 7716203-1-BLK

Matrix: Solid

LCS Sample Id: 7716203-1-BKS

Prep Method: SW5035A

Date Prep: 12.01.2020

LCSD Sample Id: 7716203-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0953	95	0.0933	93	70-130	2	35	mg/kg	12.01.2020 12:46	
Toluene	<0.00200	0.100	0.0921	92	0.0885	89	70-130	4	35	mg/kg	12.01.2020 12:46	
Ethylbenzene	<0.00200	0.100	0.0950	95	0.0910	91	71-129	4	35	mg/kg	12.01.2020 12:46	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.189	95	70-135	4	35	mg/kg	12.01.2020 12:46	
o-Xylene	<0.00200	0.100	0.0984	98	0.0939	94	71-133	5	35	mg/kg	12.01.2020 12:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		97		100		70-130	%	12.01.2020 12:46
4-Bromofluorobenzene	115		109		107		70-130	%	12.01.2020 12:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143542

Parent Sample Id: 679158-001

Matrix: Soil

MS Sample Id: 679158-001 S

Prep Method: SW5035A

Date Prep: 11.30.2020

MSD Sample Id: 679158-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0869	86	0.0933	93	70-130	7	35	mg/kg	11.30.2020 14:28	
Toluene	<0.00201	0.101	0.0826	82	0.0883	88	70-130	7	35	mg/kg	11.30.2020 14:28	
Ethylbenzene	<0.00201	0.101	0.0850	84	0.0908	91	71-129	7	35	mg/kg	11.30.2020 14:28	
m,p-Xylenes	<0.00402	0.201	0.176	88	0.191	95	70-135	8	35	mg/kg	11.30.2020 14:28	
o-Xylene	<0.00201	0.101	0.0852	84	0.0965	97	71-133	12	35	mg/kg	11.30.2020 14:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		100		70-130	%	11.30.2020 14:28
4-Bromofluorobenzene	108		110		70-130	%	11.30.2020 14:28

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143544

Parent Sample Id: 679158-021

Matrix: Soil

MS Sample Id: 679158-021 S

Prep Method: SW5035A

Date Prep: 11.30.2020

MSD Sample Id: 679158-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.121	121	0.109	109	70-130	10	35	mg/kg	11.30.2020 14:42	
Toluene	<0.00199	0.0996	0.116	116	0.105	105	70-130	10	35	mg/kg	11.30.2020 14:42	
Ethylbenzene	<0.00199	0.0996	0.107	107	0.0962	96	71-129	11	35	mg/kg	11.30.2020 14:42	
m,p-Xylenes	<0.00398	0.199	0.218	110	0.195	98	70-135	11	35	mg/kg	11.30.2020 14:42	
o-Xylene	<0.00199	0.0996	0.108	108	0.0954	96	71-133	12	35	mg/kg	11.30.2020 14:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	11.30.2020 14:42
4-Bromofluorobenzene	88		88		70-130	%	11.30.2020 14:42

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143649

Parent Sample Id: 679158-041

Matrix: Soil

MS Sample Id: 679158-041 S

Prep Method: SW5035A

Date Prep: 12.01.2020

MSD Sample Id: 679158-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.106	106	0.101	101	70-130	5	35	mg/kg	12.01.2020 13:31	
Toluene	<0.00200	0.100	0.0999	100	0.0935	94	70-130	7	35	mg/kg	12.01.2020 13:31	
Ethylbenzene	<0.00200	0.100	0.102	102	0.0992	99	71-129	3	35	mg/kg	12.01.2020 13:31	
m,p-Xylenes	<0.00401	0.200	0.211	106	0.201	100	70-135	5	35	mg/kg	12.01.2020 13:31	
o-Xylene	<0.00200	0.100	0.104	104	0.0974	97	71-133	7	35	mg/kg	12.01.2020 13:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		97		70-130	%	12.01.2020 13:31
4-Bromofluorobenzene	116		110		70-130	%	12.01.2020 13:31

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Environment Testing
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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 679158

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Page 3 of 5

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com
Project Name:	Solaris- Labo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	J.Ferguson	Wet/Dry:	Yes No
PO #:		Thermometer ID:	See Tag

Program: <input checked="" type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Preservative Codes
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	
CES-50	S	11/25/20	1140	4.0'	Comp	1			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CES-51	S	11/25/20	1145	2.0'	Comp	1			
CES-49	S	11/25/20	1200	4.0'	Comp	1			
CES-51	S	11/25/20	1205	4.0'	Comp	1			
CES-45	S	11/25/20	1320	2.0'	Comp	1			
CES-47	S	11/25/20	1325	2.0'	Comp	1			
CES-49	S	11/25/20	1350	2.0'	Comp	1			
CES-52	S	11/25/20	1355	2.0'	Comp	1			
CES-52	S	11/25/20	1400	4.0'	Comp	1			
CES-53	S	11/25/20	1405	4.0'	Comp	1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/30/20 0834			



Environment Testing Xenco

Chain of Custody

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Work Order No: 629158

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79705
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADAPT Other: _____

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J.Ferguson	Well/Seal:	Yes No		
PO #:		Thermometer ID:	Yes No		
SAMPLE RECEIPT	Temp Blank:	Correction Factor:	Yes No		
Samples Received Intact:	Yes No	Temperature Reading:	Yes No		
Cooler Custody Seals:	Yes No	Corrected Temperature:			
Sample Custody Seals:	Yes No				
Total Containers:	Yes No				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
CWSW-54	S	11/25/20	1410	20'	Comp	1	BTEX 8021B		None: NO DI Water: H ₂ O
CES-54	S	11/25/20	1415	40'	Comp	1	TPH (GRO+DRO+MRO) 8015M		Cool: Cool MeOH: Me
CES-55	S	11/25/20	1420	40'	Comp	1	Chloride EPA 300.0		HCL: HC HNO ₃ : HN
CWSW-56	S	11/25/20	1425	20'	Comp	1			H ₂ SO ₄ : H ₂
CES-56	S	11/25/20	1430	40'	Comp	1			H ₃ PO ₄ : HP
CES-57	S	11/25/20	1435	40'	Comp	1			NaHSO ₄ : NABIS
CWSW-58	S	11/25/20	1440	20'	Comp	1			Na ₂ S ₂ O ₃ : NaSO ₃
CES-58	S	11/25/20	1445	40'	Comp	1			Zn Acetate+NaOH: Zn
CES-59	S	11/25/20	1450	40'	Comp	1			NaOH+Ascorbic Acid: SAPC
CWSW-60	S	11/25/20	1450	20'	Comp	1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr TI Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471

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<i>[Signature]</i>	<i>[Signature]</i>	11/25/20 0834			



Environment Testing
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Chain of Custody

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Work Order No: 1679158

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Page 5 of 5

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	fergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program:	UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Solaris- Lobo to Eddy, State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Number:	1000ENV	Due Date:		
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm		
Sampler's Name:	J.Ferguson	Temperature Reading:		
PO #:		Corrected Temperature:		

Temp Blank:	Yes	No	Wet/Leak:	Yes	No	Thermometer ID:	Wet/Leak:	Yes	No	Parameters
Samples Received Intact:	Yes	No		Yes	No	See Tag		Yes	No	BTEX 8021B
Cooler Custody Seals:	Yes	No		Yes	No			Yes	No	TPH (GRO+DRO+MRO) 8015M
Sample Custody Seals:	Yes	No		Yes	No			Yes	No	Chloride EPA 300.0
Total Containers:	Yes	No		Yes	No			Yes	No	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	ANALYSIS REQUEST											Preservative Codes	Sample Comments										
							B	C	Ca	Co	Cu	Cr	Pb	Mg	Mn	Mo	Ni			K	Se	Ag	Si	O ₂	Na	Sr	Ti	Sn	U
CE5-CO	S	11/25/20	1455	40	Cap	1	✓	✓	✓	✓																			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	11/30/20 0834			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: SDR Enterprise

Date/ Time Received: 11.30.2020 08.34.00 AM

Work Order #: 679158

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	Samples received in bulk containers.
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.30.2020
Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 11.30.2020
Jessica Kramer

Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-001		679462-002		679462-003		679462-004		679462-005		679462-006	
	<i>Field Id:</i>	CWSE-51		CWSE-53		CWSE-55		CWSE-57		CWSE-59		CWSW-62	
	<i>Depth:</i>	2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	11.30.2020 09:50		11.30.2020 09:55		11.30.2020 10:00		11.30.2020 10:05		11.30.2020 10:10		11.30.2020 13:00	
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 11:13		12.02.2020 11:13		12.02.2020 11:13		12.02.2020 11:13		12.02.2020 11:13		12.02.2020 11:13	
	<i>Analyzed:</i>	12.02.2020 16:06		12.02.2020 16:28		12.02.2020 16:51		12.02.2020 17:13		12.02.2020 17:35		12.02.2020 17:58	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401	<0.00403	0.00403	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.002000	0.002000	<0.002000	0.002000	<0.002020	0.002020	<0.002000	0.002000	<0.001990	0.001990	<0.001990	0.001990
Total BTEX		<0.002000	0.002000	<0.002000	0.002000	<0.002020	0.002020	<0.002000	0.002000	<0.001990	0.001990	<0.001990	0.001990
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 15:05		12.02.2020 15:05		12.02.2020 15:05		12.02.2020 15:05		12.02.2020 15:05		12.02.2020 15:05	
	<i>Analyzed:</i>	12.03.2020 13:46		12.03.2020 14:04		12.03.2020 14:10		12.03.2020 14:16		12.03.2020 14:23		12.03.2020 14:41	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		17.8	9.96	22.2	10.0	23.1	9.96	25.4	9.94	15.8	9.98	87.0	9.98
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 15:00		12.02.2020 15:00		12.02.2020 15:00		12.02.2020 15:00		12.02.2020 15:00		12.02.2020 15:00	
	<i>Analyzed:</i>	12.02.2020 19:23		12.02.2020 20:22		12.02.2020 20:42		12.02.2020 21:02		12.02.2020 21:22		12.02.2020 21:42	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1
Total TPH		<50.00	50.00	<49.90	49.90	<49.80	49.80	<50.30	50.30	<49.90	49.90	<50.10	50.10

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-007	679462-008	679462-009	679462-010	679462-011	679462-012
	<i>Field Id:</i>	CWSW-64	CWSW-66	CWSW-68	CFS-61	CFS-62	CFS-63
	<i>Depth:</i>	2.0- ft	2.0- ft	2.0- ft	4.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.30.2020 13:05	11.30.2020 13:10	11.30.2020 13:20	11.30.2020 13:25	11.30.2020 13:30	11.30.2020 13:35
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13
	<i>Analyzed:</i>	12.02.2020 18:20	12.02.2020 18:43	12.02.2020 19:05	12.02.2020 19:27	12.02.2020 20:47	12.02.2020 21:10
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00397 0.00397	<0.00397 0.00397	<0.00403 0.00403	<0.00404 0.00404	<0.00401 0.00401
o-Xylene		<0.00200 0.00200	<0.00198 0.00198	<0.00198 0.00198	<0.00202 0.00202	<0.00202 0.00202	<0.00200 0.00200
Total Xylenes		<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980	<0.002020 0.002020	<0.002020 0.002020	<0.002000 0.002000
Total BTEX		<0.002000 0.002000	<0.001980 0.001980	<0.001980 0.001980	<0.002020 0.002020	<0.002020 0.002020	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05
	<i>Analyzed:</i>	12.03.2020 14:47	12.03.2020 14:53	12.03.2020 15:00	12.03.2020 15:06	12.03.2020 15:12	12.03.2020 15:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		30.4 9.98	30.8 9.92	24.6 10.0	4410 50.1	112 10.0	3740 50.2
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00
	<i>Analyzed:</i>	12.02.2020 22:02	12.02.2020 22:22	12.02.2020 22:42	12.02.2020 23:02	12.02.2020 23:41	12.03.2020 00:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.2 50.2	<50.3 50.3
Diesel Range Organics (DRO)		<50.1 50.1	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.2 50.2	63.7 50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.2 50.2	<50.3 50.3
Total TPH		<50.10 50.10	<49.80 49.80	<50.00 50.00	<50.00 50.00	<50.20 50.20	63.70 50.30

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-013	679462-014	679462-015	679462-016	679462-017	679462-018
	<i>Field Id:</i>	CFS-64	CFS-65	CFS-66	CFS-67	CFS-68	CFS-69
	<i>Depth:</i>	4.0- ft	4.0- ft	4.0- ft	4.0- ft	4.0- ft	4.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.30.2020 13:40	11.30.2020 13:45	11.30.2020 13:50	11.30.2020 13:55	11.30.2020 14:30	11.30.2020 14:35
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 11:13
	<i>Analyzed:</i>	12.02.2020 21:32	12.02.2020 21:54	12.02.2020 22:17	12.02.2020 22:39	12.02.2020 23:02	12.02.2020 23:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00399 0.00399	<0.00397 0.00397	<0.00399 0.00399	<0.00398 0.00398	<0.00401 0.00401	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990
Total BTEX		<0.002000 0.002000	<0.001980 0.001980	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 15:05
	<i>Analyzed:</i>	12.03.2020 15:37	12.03.2020 15:55	12.03.2020 16:01	12.03.2020 16:08	12.03.2020 16:14	12.03.2020 16:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		105 9.96	3500 50.1	19.5 10.0	5600 50.2	66.7 10.0	66.0 9.96
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 15:00
	<i>Analyzed:</i>	12.03.2020 00:21	12.03.2020 00:41	12.03.2020 01:01	12.03.2020 01:21	12.03.2020 01:40	12.03.2020 02:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.2 50.2
Diesel Range Organics (DRO)		<50.2 50.2	59.3 50.3	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.2 50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<50.3 50.3	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.2 50.2
Total TPH		<50.20 50.20	59.30 50.30	<49.90 49.90	<49.90 49.90	<49.80 49.80	<50.20 50.20

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Jessica Kramer

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Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-019	679462-020	679462-021	679462-022	679462-023	679462-024
	<i>Field Id:</i>	CFS-70	CWSE-61	CWSE-63	CWSE-65	CWSE-69	CWSE-67
	<i>Depth:</i>	4.0- ft	2.0- ft	2.0- ft	2.0- ft	2.0- ft	2.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	11.30.2020 14:40	11.30.2020 14:45	11.30.2020 14:50	11.30.2020 14:55	11.30.2020 15:00	11.30.2020 15:05
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 11:13	12.02.2020 11:13	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15
	<i>Analyzed:</i>	12.02.2020 23:47	12.03.2020 00:10	12.02.2020 18:24	12.02.2020 18:47	12.02.2020 19:09	12.02.2020 19:31
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00399 0.00399	<0.00398 0.00398	<0.00401 0.00401	<0.00398 0.00398	<0.00401 0.00401	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990
Total BTEX		<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 15:05	12.02.2020 15:05	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09
	<i>Analyzed:</i>	12.03.2020 16:26	12.03.2020 16:32	12.03.2020 17:09	12.03.2020 17:28	12.03.2020 17:34	12.03.2020 17:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		154 10.0	18.4 10.1	13.8 10.0	49.4 10.0	294 10.0	50.8 9.94
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 15:00	12.02.2020 15:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00
	<i>Analyzed:</i>	12.03.2020 02:20	12.03.2020 02:40	12.02.2020 19:23	12.02.2020 20:22	12.02.2020 20:42	12.02.2020 21:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.3 50.3	<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.8 49.8	<49.8 49.8
Diesel Range Organics (DRO)		<50.3 50.3	<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.8 49.8	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.3 50.3	<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.8 49.8	<49.8 49.8
Total TPH		<50.30 50.30	<49.80 49.80	<50.0 50.0	<49.8 49.8	<49.8 49.8	<49.8 49.8

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Jessica Kramer

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Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM



Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-025	679462-026	679462-027	679462-028	679462-029	679462-030
	<i>Field Id:</i>	CWSW-70	CFS- Hill	CFS- Hill	CFS-Hill	CFS-Hill	CFS-Hill
	<i>Depth:</i>	2.0- ft	6.0- ft	10.0- ft	14.0- ft	18.0- ft	22.0- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	12.01.2020 09:25	12.01.2020 14:05	12.01.2020 14:10	12.01.2020 14:15	12.01.2020 14:20	12.01.2020 14:25
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15
	<i>Analyzed:</i>	12.02.2020 19:54	12.02.2020 20:16	12.02.2020 20:38	12.02.2020 21:01	12.02.2020 21:23	12.02.2020 21:46
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00397 0.00397	<0.00402 0.00402	<0.00398 0.00398	<0.00401 0.00401	<0.00401 0.00401
o-Xylene		<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.001990 0.001990	<0.001980 0.001980	<0.002010 0.002010	<0.001990 0.001990	<0.002000 0.002000	<0.002000 0.002000
Total BTEX		<0.001990 0.001990	<0.001980 0.001980	<0.002010 0.002010	<0.001990 0.001990	<0.002000 0.002000	<0.002000 0.002000
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09
	<i>Analyzed:</i>	12.03.2020 17:46	12.03.2020 18:05	12.03.2020 18:11	12.03.2020 18:17	12.03.2020 18:24	12.03.2020 18:30
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		14.8 9.98	2660 50.1	3750 50.1	3090 49.9	1930 49.7	569 10.1
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00
	<i>Analyzed:</i>	12.02.2020 21:22	12.02.2020 21:42	12.02.2020 22:02	12.02.2020 22:22	12.02.2020 22:42	12.02.2020 23:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8	<50.0 50.0
Diesel Range Organics (DRO)		<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8	<50.0 50.0
Total TPH		<50.2 50.2	<49.8 49.8	<50.2 50.2	<49.8 49.8	<49.8 49.8	<50.0 50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 679462

SDR Enterprise, Hobbs, NM

Project Name: Solaris- Lobo to Eddy State ARV Release

Project Id: 1000ENV
Contact: John Fergerson
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 12.02.2020 08:43
Report Date: 01.05.2021 11:01
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	679462-031	679462-032	679462-033	679462-034		
	<i>Field Id:</i>	CWSE-33	CWSW-29	CWSNW	CWSNE		
	<i>Depth:</i>	2.0- ft	2.0- ft	2.0- ft	2.0- ft		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	12.01.2020 14:00	12.01.2020 13:40	12.01.2020 15:20	12.01.2020 15:25		
BTEX by EPA 8021B	<i>Extracted:</i>	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15	12.02.2020 13:15		
	<i>Analyzed:</i>	12.02.2020 23:04	12.02.2020 23:26	12.02.2020 23:49	12.03.2020 00:11		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199		
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199		
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199		
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00398 0.00398	<0.00398 0.00398		
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199		
Total Xylenes		<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990	<0.001990 0.001990		
Total BTEX		<0.001990 0.001990	<0.002000 0.002000	<0.001990 0.001990	<0.001990 0.001990		
Chloride by EPA 300	<i>Extracted:</i>	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09	12.02.2020 18:09		
	<i>Analyzed:</i>	12.03.2020 18:36	12.03.2020 18:54	12.03.2020 19:01	12.03.2020 19:19		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		113 49.9	58.7 50.2	46.3 9.92	17100 199		
TPH By SW8015 Mod	<i>Extracted:</i>	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00	12.02.2020 16:00		
	<i>Analyzed:</i>	12.02.2020 23:41	12.03.2020 00:01	12.03.2020 00:21	12.03.2020 00:41		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	<49.8 49.8		
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	898 49.8		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8	<50.1 50.1	58.7 49.8		
Total TPH		<50.0 50.0	<49.8 49.8	<50.1 50.1	957 49.8		

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Analytical Report 679462

for

SDR Enterprise

Project Manager: John Ferguson

Solaris- Lobo to Eddy State ARV Release

1000ENV

01.05.2021

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



01.05.2021

Project Manager: **John Fergerson**

SDR Enterprise

6222 S Bronco Dr

Hobbs, NM 88240

Reference: Eurofins Xenco, LLC Report No(s): **679462**

Solaris- Lobo to Eddy State ARV Release

Project Address: Eddy County, New Mexico

John Fergerson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 679462. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 679462 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 679462

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CWSE-51	S	11.30.2020 09:50	2.0 ft	679462-001
CWSE-53	S	11.30.2020 09:55	2.0 ft	679462-002
CWSE-55	S	11.30.2020 10:00	2.0 ft	679462-003
CWSE-57	S	11.30.2020 10:05	2.0 ft	679462-004
CWSE-59	S	11.30.2020 10:10	2.0 ft	679462-005
CWSW-62	S	11.30.2020 13:00	2.0 ft	679462-006
CWSW-64	S	11.30.2020 13:05	2.0 ft	679462-007
CWSW-66	S	11.30.2020 13:10	2.0 ft	679462-008
CWSW-68	S	11.30.2020 13:20	2.0 ft	679462-009
CFS-61	S	11.30.2020 13:25	4.0 ft	679462-010
CFS-62	S	11.30.2020 13:30	4.0 ft	679462-011
CFS-63	S	11.30.2020 13:35	4.0 ft	679462-012
CFS-64	S	11.30.2020 13:40	4.0 ft	679462-013
CFS-65	S	11.30.2020 13:45	4.0 ft	679462-014
CFS-66	S	11.30.2020 13:50	4.0 ft	679462-015
CFS-67	S	11.30.2020 13:55	4.0 ft	679462-016
CFS-68	S	11.30.2020 14:30	4.0 ft	679462-017
CFS-69	S	11.30.2020 14:35	4.0 ft	679462-018
CFS-70	S	11.30.2020 14:40	4.0 ft	679462-019
CWSE-61	S	11.30.2020 14:45	2.0 ft	679462-020
CWSE-63	S	11.30.2020 14:50	2.0 ft	679462-021
CWSE-65	S	11.30.2020 14:55	2.0 ft	679462-022
CWSE-69	S	11.30.2020 15:00	2.0 ft	679462-023
CWSE-67	S	11.30.2020 15:05	2.0 ft	679462-024
CWSW-70	S	12.01.2020 09:25	2.0 ft	679462-025
CFS- Hill	S	12.01.2020 14:05	6.0 ft	679462-026
CFS- Hill	S	12.01.2020 14:10	10.0 ft	679462-027
CFS-Hill	S	12.01.2020 14:15	14.0 ft	679462-028
CFS-Hill	S	12.01.2020 14:20	18.0 ft	679462-029
CFS-Hill	S	12.01.2020 14:25	22.0 ft	679462-030
CWSE-33	S	12.01.2020 14:00	2.0 ft	679462-031
CWSW-29	S	12.01.2020 13:40	2.0 ft	679462-032
CWSNW	S	12.01.2020 15:20	2.0 ft	679462-033
CWSNE	S	12.01.2020 15:25	2.0 ft	679462-034



CASE NARRATIVE

Client Name: *SDR Enterprise*

Project Name: *Solaris- Lobo to Eddy State ARV Release*

Project ID: *1000ENV*
Work Order Number(s): *679462*

Report Date: *01.05.2021*
Date Received: *12.02.2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-51** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-001 Date Collected: 11.30.2020 09:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.8	9.96	mg/kg	12.03.2020 13:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.02.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	12.02.2020 19:23	
o-Terphenyl	84-15-1	107	%	70-135	12.02.2020 19:23	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-51** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-001 Date Collected: 11.30.2020 09:50 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 16:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 16:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 16:06	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 16:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 16:06	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 16:06	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 16:06	
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.02.2020 16:06	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-53** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-002 Date Collected: 11.30.2020 09:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.2	10.0	mg/kg	12.03.2020 14:04		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.02.2020 20:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.02.2020 20:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.02.2020 20:22	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.02.2020 20:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.02.2020 20:22	
o-Terphenyl	84-15-1	103	%	70-135	12.02.2020 20:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-55** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-003 Date Collected: 11.30.2020 10:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.1	9.96	mg/kg	12.03.2020 14:10		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.02.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	12.02.2020 20:42	
o-Terphenyl	84-15-1	104	%	70-135	12.02.2020 20:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-55** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-003 Date Collected: 11.30.2020 10:00 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.02.2020 16:51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.02.2020 16:51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.02.2020 16:51	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.02.2020 16:51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.02.2020 16:51	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.02.2020 16:51	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.02.2020 16:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 16:51	
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.02.2020 16:51	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-57** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-004 Date Collected: 11.30.2020 10:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.4	9.94	mg/kg	12.03.2020 14:16		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.02.2020 21:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.02.2020 21:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.02.2020 21:02	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.02.2020 21:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	12.02.2020 21:02	
o-Terphenyl	84-15-1	122	%	70-135	12.02.2020 21:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-57** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-004 Date Collected: 11.30.2020 10:05 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 17:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 17:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 17:13	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	12.02.2020 17:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 17:13	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 17:13	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 17:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	12.02.2020 17:13	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 17:13	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-59** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-005 Date Collected: 11.30.2020 10:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.8	9.98	mg/kg	12.03.2020 14:23		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.02.2020 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.02.2020 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.02.2020 21:22	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.02.2020 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	12.02.2020 21:22	
o-Terphenyl	84-15-1	112	%	70-135	12.02.2020 21:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-59** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-005 Date Collected: 11.30.2020 10:10 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 17:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 17:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 17:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 17:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 17:35	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 17:35	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 17:35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 17:35		
4-Bromofluorobenzene	460-00-4	114	%	70-130	12.02.2020 17:35		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-62** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-006 Date Collected: 11.30.2020 13:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	87.0	9.98	mg/kg	12.03.2020 14:41		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.02.2020 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.02.2020 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.02.2020 21:42	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.02.2020 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	12.02.2020 21:42	
o-Terphenyl	84-15-1	115	%	70-135	12.02.2020 21:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-62** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-006 Date Collected: 11.30.2020 13:00 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 17:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 17:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 17:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 17:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 17:58	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 17:58	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 17:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.02.2020 17:58	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 17:58	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-64** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-007 Date Collected: 11.30.2020 13:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	30.4	9.98	mg/kg	12.03.2020 14:47		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.02.2020 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.02.2020 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.02.2020 22:02	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.02.2020 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	12.02.2020 22:02	
o-Terphenyl	84-15-1	104	%	70-135	12.02.2020 22:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-64** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-007 Date Collected: 11.30.2020 13:05 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 18:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 18:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 18:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 18:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 18:20	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 18:20	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	12.02.2020 18:20	
1,4-Difluorobenzene	540-36-3	107	%	70-130	12.02.2020 18:20	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-66** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-008 Date Collected: 11.30.2020 13:10 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	30.8	9.92	mg/kg	12.03.2020 14:53		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.02.2020 22:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	12.02.2020 22:22	
o-Terphenyl	84-15-1	106	%	70-135	12.02.2020 22:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-68** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-009 Date Collected: 11.30.2020 13:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24.6	10.0	mg/kg	12.03.2020 15:00		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 22:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 22:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 22:42	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.02.2020 22:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	12.02.2020 22:42	
o-Terphenyl	84-15-1	114	%	70-135	12.02.2020 22:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-61** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-010 Date Collected: 11.30.2020 13:25 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4410	50.1	mg/kg	12.03.2020 15:06		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.02.2020 23:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	12.02.2020 23:02	
o-Terphenyl	84-15-1	107	%	70-135	12.02.2020 23:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-62** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-011 Date Collected: 11.30.2020 13:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	112	10.0	mg/kg	12.03.2020 15:12		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.02.2020 23:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.02.2020 23:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.02.2020 23:41	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.02.2020 23:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.02.2020 23:41	
o-Terphenyl	84-15-1	115	%	70-135	12.02.2020 23:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-63** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-012 Date Collected: 11.30.2020 13:35 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3740	50.2	mg/kg	12.03.2020 15:30		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.03.2020 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	63.7	50.3	mg/kg	12.03.2020 00:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.03.2020 00:01	U	1
Total TPH	PHC635	63.70	50.30	mg/kg	12.03.2020 00:01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	12.03.2020 00:01	
o-Terphenyl	84-15-1	109	%	70-135	12.03.2020 00:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-63	Matrix: Soil	Date Received: 12.02.2020 08:43
Lab Sample Id: 679462-012	Date Collected: 11.30.2020 13:35	Sample Depth: 4.0 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A
Tech: MAB		
Analyst: MAB	Date Prep: 12.02.2020 11:13	% Moisture:
Seq Number: 3143771		Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 21:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 21:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 21:10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 21:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 21:10	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 21:10	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	12.02.2020 21:10	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 21:10	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-64** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-013 Date Collected: 11.30.2020 13:40 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	105	9.96	mg/kg	12.03.2020 15:37		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.03.2020 00:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.03.2020 00:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.03.2020 00:21	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.03.2020 00:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	12.03.2020 00:21	
o-Terphenyl	84-15-1	97	%	70-135	12.03.2020 00:21	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-64** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-013 Date Collected: 11.30.2020 13:40 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 21:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 21:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 21:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 21:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 21:32	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 21:32	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 21:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 21:32	
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.02.2020 21:32	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-65** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-014 Date Collected: 11.30.2020 13:45 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3500	50.1	mg/kg	12.03.2020 15:55		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.03.2020 00:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	59.3	50.3	mg/kg	12.03.2020 00:41		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.03.2020 00:41	U	1
Total TPH	PHC635	59.30	50.30	mg/kg	12.03.2020 00:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	12.03.2020 00:41	
o-Terphenyl	84-15-1	120	%	70-135	12.03.2020 00:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-65** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-014 Date Collected: 11.30.2020 13:45 Sample Depth: 4.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 11:13 % Moisture:
 Seq Number: 3143771 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.02.2020 21:54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 21:54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 21:54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 21:54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 21:54	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 21:54	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 21:54	
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 21:54	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-66** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-015 Date Collected: 11.30.2020 13:50 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	19.5	10.0	mg/kg	12.03.2020 16:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.03.2020 01:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.03.2020 01:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.03.2020 01:01	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.03.2020 01:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	12.03.2020 01:01	
o-Terphenyl	84-15-1	100	%	70-135	12.03.2020 01:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-66 **Matrix:** Soil **Date Received:** 12.02.2020 08:43
Lab Sample Id: 679462-015 **Date Collected:** 11.30.2020 13:50 **Sample Depth:** 4.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 12.02.2020 11:13 **Basis:** Wet Weight
Seq Number: 3143771

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 22:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 22:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 22:17	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 22:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 22:17	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 22:17	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 22:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	12.02.2020 22:17	
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 22:17	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-67** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-016 Date Collected: 11.30.2020 13:55 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5600	50.2	mg/kg	12.03.2020 16:08		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.03.2020 01:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.03.2020 01:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.03.2020 01:21	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.03.2020 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	12.03.2020 01:21	
o-Terphenyl	84-15-1	115	%	70-135	12.03.2020 01:21	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-68** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-017 Date Collected: 11.30.2020 14:30 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	66.7	10.0	mg/kg	12.03.2020 16:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.03.2020 01:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.03.2020 01:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.03.2020 01:40	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.03.2020 01:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	12.03.2020 01:40	
o-Terphenyl	84-15-1	112	%	70-135	12.03.2020 01:40	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-68 **Matrix:** Soil **Date Received:** 12.02.2020 08:43
Lab Sample Id: 679462-017 **Date Collected:** 11.30.2020 14:30 **Sample Depth:** 4.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 12.02.2020 11:13 **Basis:** Wet Weight
Seq Number: 3143771

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 23:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 23:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 23:02	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 23:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 23:02	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 23:02	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 23:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 23:02	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 23:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-69** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-018 Date Collected: 11.30.2020 14:35 Sample Depth: 4.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	66.0	9.96	mg/kg	12.03.2020 16:20		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.03.2020 02:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.03.2020 02:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.03.2020 02:00	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.03.2020 02:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	12.03.2020 02:00	
o-Terphenyl	84-15-1	107	%	70-135	12.03.2020 02:00	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-61** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-020 Date Collected: 11.30.2020 14:45 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 15:05 % Moisture:
 Seq Number: 3143892 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.4	10.1	mg/kg	12.03.2020 16:32		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 15:00 % Moisture:
 Seq Number: 3143798 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.03.2020 02:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.03.2020 02:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.03.2020 02:40	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.03.2020 02:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	12.03.2020 02:40	
o-Terphenyl	84-15-1	92	%	70-135	12.03.2020 02:40	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-61**
Lab Sample Id: 679462-020

Matrix: Soil
Date Collected: 11.30.2020 14:45

Date Received: 12.02.2020 08:43
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.02.2020 11:13

% Moisture:
Basis: Wet Weight

Seq Number: 3143771

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.03.2020 00:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.03.2020 00:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.03.2020 00:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.03.2020 00:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.03.2020 00:10	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.03.2020 00:10	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.03.2020 00:10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.03.2020 00:10		
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.03.2020 00:10		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-63** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-021 Date Collected: 11.30.2020 14:50 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13.8	10.0	mg/kg	12.03.2020 17:09		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.02.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	12.02.2020 19:23	
o-Terphenyl	84-15-1	103	%	70-135	12.02.2020 19:23	



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SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-63**
Lab Sample Id: 679462-021

Matrix: Soil
Date Collected: 11.30.2020 14:50

Date Received: 12.02.2020 08:43
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.02.2020 13:15

% Moisture:
Basis: Wet Weight

Seq Number: 3143773

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 18:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 18:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 18:24	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 18:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 18:24	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 18:24	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 18:24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 18:24		
4-Bromofluorobenzene	460-00-4	95	%	70-130	12.02.2020 18:24		



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-65** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-022 Date Collected: 11.30.2020 14:55 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.4	10.0	mg/kg	12.03.2020 17:28		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 20:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 20:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 20:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 20:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	12.02.2020 20:22	
o-Terphenyl	84-15-1	112	%	70-135	12.02.2020 20:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-65** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-022 Date Collected: 11.30.2020 14:55 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 13:15 % Moisture:
 Seq Number: 3143773 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 18:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 18:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 18:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 18:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 18:47	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 18:47	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 18:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.02.2020 18:47	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 18:47	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-69** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-023 Date Collected: 11.30.2020 15:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	294	10.0	mg/kg	12.03.2020 17:34		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	12.02.2020 20:42	
o-Terphenyl	84-15-1	103	%	70-135	12.02.2020 20:42	



Certificate of Analytical Results 679462

SDR Enterprise, Hobbs, NM

Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-69**
Lab Sample Id: 679462-023

Matrix: Soil
Date Collected: 11.30.2020 15:00

Date Received: 12.02.2020 08:43
Sample Depth: 2.0 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 12.02.2020 13:15

% Moisture:
Basis: Wet Weight

Seq Number: 3143773

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 19:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 19:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 19:09	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 19:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 19:09	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 19:09	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 19:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	12.02.2020 19:09	
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.02.2020 19:09	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-67** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-024 Date Collected: 11.30.2020 15:05 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	50.8	9.94	mg/kg	12.03.2020 17:40		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 21:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 21:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 21:02	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 21:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	12.02.2020 21:02	
o-Terphenyl	84-15-1	109	%	70-135	12.02.2020 21:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-67** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-024 Date Collected: 11.30.2020 15:05 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 13:15 % Moisture:
 Seq Number: 3143773 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 19:31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 19:31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 19:31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 19:31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 19:31	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 19:31	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 19:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.02.2020 19:31	
4-Bromofluorobenzene	460-00-4	99	%	70-130	12.02.2020 19:31	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-70** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-025 Date Collected: 12.01.2020 09:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.8	9.98	mg/kg	12.03.2020 17:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.02.2020 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.02.2020 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.02.2020 21:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	12.02.2020 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	12.02.2020 21:22	
o-Terphenyl	84-15-1	119	%	70-135	12.02.2020 21:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS- Hill** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-026 Date Collected: 12.01.2020 14:05 Sample Depth: 6.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2660	50.1	mg/kg	12.03.2020 18:05		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 21:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	12.02.2020 21:42	
o-Terphenyl	84-15-1	104	%	70-135	12.02.2020 21:42	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS- Hill** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-027 Date Collected: 12.01.2020 14:10 Sample Depth: 10.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3750	50.1	mg/kg	12.03.2020 18:11		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.02.2020 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.02.2020 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.02.2020 22:02	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	12.02.2020 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.02.2020 22:02	
o-Terphenyl	84-15-1	118	%	70-135	12.02.2020 22:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-Hill** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-028 Date Collected: 12.01.2020 14:15 Sample Depth: 14.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3090	49.9	mg/kg	12.03.2020 18:17		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 22:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	12.02.2020 22:22	
o-Terphenyl	84-15-1	114	%	70-135	12.02.2020 22:22	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-Hill **Matrix:** Soil **Date Received:** 12.02.2020 08:43
Lab Sample Id: 679462-028 **Date Collected:** 12.01.2020 14:15 **Sample Depth:** 14.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 12.02.2020 13:15 **Basis:** Wet Weight
Seq Number: 3143773

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 21:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 21:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 21:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 21:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 21:01	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 21:01	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 21:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 21:01	
4-Bromofluorobenzene	460-00-4	96	%	70-130	12.02.2020 21:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-Hill** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-029 Date Collected: 12.01.2020 14:20 Sample Depth: 18.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1930	49.7	mg/kg	12.03.2020 18:24		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.02.2020 22:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.02.2020 22:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.02.2020 22:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.02.2020 22:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	12.02.2020 22:42	
o-Terphenyl	84-15-1	98	%	70-135	12.02.2020 22:42	



Certificate of Analytical Results 679462

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CFS-Hill** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-030 Date Collected: 12.01.2020 14:25 Sample Depth: 22.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	569	10.1	mg/kg	12.03.2020 18:30		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.02.2020 23:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.02.2020 23:02	
o-Terphenyl	84-15-1	104	%	70-135	12.02.2020 23:02	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CFS-Hill **Matrix:** Soil **Date Received:** 12.02.2020 08:43
Lab Sample Id: 679462-030 **Date Collected:** 12.01.2020 14:25 **Sample Depth:** 22.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 12.02.2020 13:15 **Basis:** Wet Weight
Seq Number: 3143773

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 21:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 21:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 21:46	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 21:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 21:46	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 21:46	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 21:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	12.02.2020 21:46	
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 21:46	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-33** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-031 Date Collected: 12.01.2020 14:00 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	113	49.9	mg/kg	12.03.2020 18:36		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.02.2020 23:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.02.2020 23:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.02.2020 23:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	12.02.2020 23:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	12.02.2020 23:41	
o-Terphenyl	84-15-1	100	%	70-135	12.02.2020 23:41	



Certificate of Analytical Results 679462

SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSE-33** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-031 Date Collected: 12.01.2020 14:00 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 13:15 % Moisture:
 Seq Number: 3143773 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 23:04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 23:04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 23:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 23:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 23:04	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 23:04	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 23:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	12.02.2020 23:04	
1,4-Difluorobenzene	540-36-3	97	%	70-130	12.02.2020 23:04	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-29** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-032 Date Collected: 12.01.2020 13:40 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	58.7	50.2	mg/kg	12.03.2020 18:54		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.03.2020 00:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.03.2020 00:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.03.2020 00:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	12.03.2020 00:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	12.03.2020 00:01	
o-Terphenyl	84-15-1	118	%	70-135	12.03.2020 00:01	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSW-29** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-032 Date Collected: 12.01.2020 13:40 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 13:15 % Moisture:
 Seq Number: 3143773 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.02.2020 23:26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 23:26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 23:26	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 23:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 23:26	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 23:26	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 23:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 23:26	
4-Bromofluorobenzene	460-00-4	97	%	70-130	12.02.2020 23:26	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSNW** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-033 Date Collected: 12.01.2020 15:20 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	46.3	9.92	mg/kg	12.03.2020 19:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.03.2020 00:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.03.2020 00:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.03.2020 00:21	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	12.03.2020 00:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	12.03.2020 00:21	
o-Terphenyl	84-15-1	103	%	70-135	12.03.2020 00:21	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSNW** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-033 Date Collected: 12.01.2020 15:20 Sample Depth: 2.0 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 13:15 % Moisture:
 Seq Number: 3143773 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.02.2020 23:49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 23:49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 23:49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 23:49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 23:49	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 23:49	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 23:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 23:49	
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.02.2020 23:49	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: **CWSNE** Matrix: Soil Date Received: 12.02.2020 08:43
 Lab Sample Id: 679462-034 Date Collected: 12.01.2020 15:25 Sample Depth: 2.0 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 12.02.2020 18:09 % Moisture:
 Seq Number: 3143893 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17100	199	mg/kg	12.03.2020 19:19		20

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 12.02.2020 16:00 % Moisture:
 Seq Number: 3143799 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.03.2020 00:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	898	49.8	mg/kg	12.03.2020 00:41		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	58.7	49.8	mg/kg	12.03.2020 00:41		1
Total TPH	PHC635	957	49.8	mg/kg	12.03.2020 00:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	12.03.2020 00:41	
o-Terphenyl	84-15-1	118	%	70-135	12.03.2020 00:41	



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SDR Enterprise, Hobbs, NM Solaris- Lobo to Eddy State ARV Release

Sample Id: CWSNE **Matrix:** Soil **Date Received:** 12.02.2020 08:43
Lab Sample Id: 679462-034 **Date Collected:** 12.01.2020 15:25 **Sample Depth:** 2.0 ft
Analytical Method: BTEX by EPA 8021B **Prep Method:** SW5035A
Tech: MAB **% Moisture:**
Analyst: MAB **Date Prep:** 12.02.2020 13:15 **Basis:** Wet Weight
Seq Number: 3143773

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.03.2020 00:11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.03.2020 00:11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.03.2020 00:11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.03.2020 00:11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.03.2020 00:11	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.03.2020 00:11	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.03.2020 00:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	12.03.2020 00:11	
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.03.2020 00:11	



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300

Seq Number: 3143892

MB Sample Id: 7716286-1-BLK

Matrix: Solid

LCS Sample Id: 7716286-1-BKS

Prep Method: E300P

Date Prep: 12.02.2020

LCSD Sample Id: 7716286-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	257	103	257	103	90-110	0	20	mg/kg	12.03.2020 13:32	

Analytical Method: Chloride by EPA 300

Seq Number: 3143893

MB Sample Id: 7716287-1-BLK

Matrix: Solid

LCS Sample Id: 7716287-1-BKS

Prep Method: E300P

Date Prep: 12.02.2020

LCSD Sample Id: 7716287-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	257	103	257	103	90-110	0	20	mg/kg	12.03.2020 16:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3143892

Parent Sample Id: 679462-001

Matrix: Soil

MS Sample Id: 679462-001 S

Prep Method: E300P

Date Prep: 12.02.2020

MSD Sample Id: 679462-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	17.8	200	217	100	219	101	90-110	1	20	mg/kg	12.03.2020 13:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3143892

Parent Sample Id: 679462-011

Matrix: Soil

MS Sample Id: 679462-011 S

Prep Method: E300P

Date Prep: 12.02.2020

MSD Sample Id: 679462-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	112	201	311	99	317	102	90-110	2	20	mg/kg	12.03.2020 15:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3143893

Parent Sample Id: 679462-021

Matrix: Soil

MS Sample Id: 679462-021 S

Prep Method: E300P

Date Prep: 12.02.2020

MSD Sample Id: 679462-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.8	201	211	98	212	99	90-110	0	20	mg/kg	12.03.2020 17:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3143893

Parent Sample Id: 679462-031

Matrix: Soil

MS Sample Id: 679462-031 S

Prep Method: E300P

Date Prep: 12.02.2020

MSD Sample Id: 679462-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	113	200	314	101	324	105	90-110	3	20	mg/kg	12.03.2020 18:42	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143798

MB Sample Id: 7716293-1-BLK

Matrix: Solid

LCS Sample Id: 7716293-1-BKS

Prep Method: SW8015P

Date Prep: 12.02.2020

LCSD Sample Id: 7716293-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	972	97	70-135	12	35	mg/kg	12.02.2020 18:43	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1160	116	70-135	6	35	mg/kg	12.02.2020 18:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		109		122		70-135	%	12.02.2020 18:43
o-Terphenyl	113		106		116		70-135	%	12.02.2020 18:43

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143799

MB Sample Id: 7716294-1-BLK

Matrix: Solid

LCS Sample Id: 7716294-1-BKS

Prep Method: SW8015P

Date Prep: 12.02.2020

LCSD Sample Id: 7716294-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.00	1000	1133	113	1013	101	70-135	11	35	mg/kg	12.02.2020 18:43	
Diesel Range Organics (DRO)	<50.00	1000	1062	106	1159	116	70-135	9	35	mg/kg	12.02.2020 18:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		100		108		70-135	%	12.02.2020 18:43
o-Terphenyl	114		95		112		70-135	%	12.02.2020 18:43

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143798

Matrix: Solid
MB Sample Id: 7716293-1-BLK

Prep Method: SW8015P

Date Prep: 12.02.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.02.2020 18:23	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143799

Matrix: Solid
MB Sample Id: 7716294-1-BLK

Prep Method: SW8015P

Date Prep: 12.02.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.00	mg/kg	12.02.2020 18:23	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143798
Parent Sample Id: 679462-001

Matrix: Soil
MS Sample Id: 679462-001 S

Prep Method: SW8015P
Date Prep: 12.02.2020
MSD Sample Id: 679462-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1060	106	1140	114	70-135	7	35	mg/kg	12.02.2020 19:42	
Diesel Range Organics (DRO)	<49.9	997	1150	115	992	99	70-135	15	35	mg/kg	12.02.2020 19:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		110		70-135	%	12.02.2020 19:42
o-Terphenyl	107		114		70-135	%	12.02.2020 19:42

Analytical Method: TPH By SW8015 Mod

Seq Number: 3143799
Parent Sample Id: 679462-021

Matrix: Soil
MS Sample Id: 679462-021 S

Prep Method: SW8015P
Date Prep: 12.02.2020
MSD Sample Id: 679462-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.25	1010	1209	120	1069	107	70-135	12	35	mg/kg	12.02.2020 19:42	
Diesel Range Organics (DRO)	<50.25	1010	1061	105	1121	113	70-135	5	35	mg/kg	12.02.2020 19:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		114		70-135	%	12.02.2020 19:42
o-Terphenyl	103		109		70-135	%	12.02.2020 19:42

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143771
MB Sample Id: 7716289-1-BLK

Matrix: Solid
LCS Sample Id: 7716289-1-BKS

Prep Method: SW5035A
Date Prep: 12.02.2020
LCSD Sample Id: 7716289-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0894	89	0.0852	85	70-130	5	35	mg/kg	12.02.2020 14:01	
Toluene	<0.00200	0.100	0.0824	82	0.0787	79	70-130	5	35	mg/kg	12.02.2020 14:01	
Ethylbenzene	<0.00200	0.100	0.0870	87	0.0797	80	71-129	9	35	mg/kg	12.02.2020 14:01	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.164	82	70-135	8	35	mg/kg	12.02.2020 14:01	
o-Xylene	<0.00200	0.100	0.0879	88	0.0826	83	71-133	6	35	mg/kg	12.02.2020 14:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		97		97		70-130	%	12.02.2020 14:01
4-Bromofluorobenzene	114		104		108		70-130	%	12.02.2020 14:01

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



SDR Enterprise
Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143773

MB Sample Id: 7716291-1-BLK

Matrix: Solid

LCS Sample Id: 7716291-1-BKS

Prep Method: SW5035A

Date Prep: 12.02.2020

LCSD Sample Id: 7716291-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.103	103	70-130	2	35	mg/kg	12.02.2020 16:22	
Toluene	<0.00200	0.100	0.0962	96	0.0989	99	70-130	3	35	mg/kg	12.02.2020 16:22	
Ethylbenzene	<0.00200	0.100	0.0891	89	0.0924	92	71-129	4	35	mg/kg	12.02.2020 16:22	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.189	95	70-135	4	35	mg/kg	12.02.2020 16:22	
o-Xylene	<0.00200	0.100	0.0901	90	0.0929	93	71-133	3	35	mg/kg	12.02.2020 16:22	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		99		70-130	%	12.02.2020 16:22
4-Bromofluorobenzene	90		87		88		70-130	%	12.02.2020 16:22

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143771

Parent Sample Id: 679462-001

Matrix: Soil

MS Sample Id: 679462-001 S

Prep Method: SW5035A

Date Prep: 12.02.2020

MSD Sample Id: 679462-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0878	88	0.0757	76	70-130	15	35	mg/kg	12.02.2020 14:46	
Toluene	<0.00200	0.100	0.0835	84	0.0710	71	70-130	16	35	mg/kg	12.02.2020 14:46	
Ethylbenzene	<0.00200	0.100	0.0879	88	0.0705	71	71-129	22	35	mg/kg	12.02.2020 14:46	
m,p-Xylenes	<0.00400	0.200	0.180	90	0.148	74	70-135	20	35	mg/kg	12.02.2020 14:46	
o-Xylene	<0.00200	0.100	0.0876	88	0.0737	74	71-133	17	35	mg/kg	12.02.2020 14:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	12.02.2020 14:46
4-Bromofluorobenzene	110		112		70-130	%	12.02.2020 14:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3143773

Parent Sample Id: 679462-021

Matrix: Soil

MS Sample Id: 679462-021 S

Prep Method: SW5035A

Date Prep: 12.02.2020

MSD Sample Id: 679462-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.106	106	0.114	114	70-130	7	35	mg/kg	12.02.2020 17:06	
Toluene	<0.00200	0.100	0.103	103	0.110	110	70-130	7	35	mg/kg	12.02.2020 17:06	
Ethylbenzene	<0.00200	0.100	0.0954	95	0.104	104	71-129	9	35	mg/kg	12.02.2020 17:06	
m,p-Xylenes	<0.00401	0.200	0.195	98	0.212	106	70-135	8	35	mg/kg	12.02.2020 17:06	
o-Xylene	<0.00200	0.100	0.0960	96	0.104	104	71-133	8	35	mg/kg	12.02.2020 17:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	12.02.2020 17:06
4-Bromofluorobenzene	90		86		70-130	%	12.02.2020 17:06

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



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Work Order No: 679462

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Project Manager: John Ferguson
Company Name: SDR Enterprises LLC
Address: 6222 S Bronco Drive
City, State ZIP: Hobbs, NM 88240
Phone: (432) 638-7333
Email: jfergerson@sdr-enterprises.com

Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting: Level II Level III PST/UST TRRP Level IV
Deliverables: EDD ADAPT Other

Project Name: Solaris- Lobo to Eddy State ARV Release
Project Number: 1000ENN
Project Location: Eddy County, NM
Turn Around: [x] Routine [] Rush
Due Date:
TAT starts the day received by the lab, if received by 4:30pm
SAMPLE RECEIPT: Temp Blank: Yes No Wet Ice: Yes No
Samples Received Intact: Yes No Thermometer ID: 7-AWU-004
Cooler Custody Seals: Yes No Correction Factor: -0.2
Sample Custody Seals: Yes No Temperature Reading: 3.2
Total Containers: 34 Corrected Temperature: 3.0

Table with columns: Sample Identification, Matrix, Date Sampled, Time Sampled, Depth, Grab/Comp, # of Cont, ANALYSIS REQUEST (BTEX 8021B, TPH, Chloride EPA 300.0), Preservative Codes, Sample Comments.

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature) Received by: (Signature) Date/Time
1 [Signature] [Signature] 2/12/20 0843
2
3
4
5



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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 6079412

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Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solarsis Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland Texas 79706
Phone:	(432) 638-7333	Email:	fergerson@sdr-enterprises.com, rob.kirk@solarsismidstream.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Solarsis- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	J.Ferguson	Wet Ice:	Yes No
PO #:		Thermometer ID:	<u>SPR</u>
SAMPLE RECEIPT		Correction Factor:	<u>Blank</u>
Samples Received Intact:	Yes No	Temperature Reading:	
Cooler Custody Seals:	Yes No N/A	Corrected Temperature:	
Sample Custody Seals:	Yes No N/A		
Total Containers:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CES-62	S	11/30/20	1330	4.0'	Comp	1	BTEX 8021B	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
CES-63	S	11/30/20	1335	4.0'	Comp	1	TPH (GRO+DRO+MRO) 8015M		
CES-64	S	11/30/20	1340	4.0'	Comp	1	Chloride EPA 300.0		
CES-65	S	11/30/20	1345	4.0'	Comp	1			
CES-66	S	11/30/20	1350	4.0'	Comp	1			
CES-67	S	11/30/20	1355	4.0'	Comp	1			
CES-68	S	11/30/20	1430	4.0'	Comp	1			
CES-69	S	11/30/20	1435	4.0'	Comp	1			
CES-70	S	11/30/20	1440	4.0'	Comp	1			
MSIE-61	S	11/30/20	1445	2.0'	Comp	1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010: 8RCRA Sp As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12/13/20 0843			



Environment Testing
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 679462

www.xenco.com Page 3 of 4

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com

Program: <input type="checkbox"/> UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: _____ Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	
Work Order Comments: _____	

Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1000ENV	Due Date:			
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	J.Ferguson	Wet Ice:	Yes No		
PO #:		Thermometer ID:	Page 1		
SAMPLE RECEIPT Samples Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> Total Containers: _____ Corrected Temperature: _____		Parameters BTEX 8021B <input type="checkbox"/> TPH (GRO+DRO+MRO) 8015M <input type="checkbox"/> Chloride EPA 300.0 <input type="checkbox"/>			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Preservative Codes					
CWSE-63	S	11/30/20	1450	2.0'	Comp 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None: NO DI Water: H ₂ O
CWSE-65	S	11/30/20	1455	2.0'	Comp 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cool: Cool MeOH: Me
CWSE-69	S	11/30/20	1500	2.0'	Comp 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCL: HC HNO ₃ : HN
CWSE-67	S	11/30/20	1505	2.0'	Comp 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H ₂ SO ₄ : H ₂ NaOH: Na
CWSV-70	S	12/1/20	0925	2.0'	Comp 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H ₃ PO ₄ : HP NaHSO ₄ : NABIS
CES-H11	S	12/1/20	1405	6.0'	Grab 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn
CES-H11	S	12/1/20	1410	10.0'	Grab 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NaOH+Ascorbic Acid: SAPC
CES-H11	S	12/1/20	1415	14.0'	Grab 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CES-H11	S	12/1/20	1420	18.0'	Grab 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CES-H11	S	12/1/20	1425	22.0'	Grab 1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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<i>[Signature]</i>	<i>[Signature]</i>	12/1/20 0813			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream, LLC
Address:	6222 S Bronco Drive	Address:	907 Tradewinds Blvd, Suite B
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	Midland, Texas 79706
Phone:	(432) 638-7333	Email:	jfergerson@sdr-enterprises.com, rob.kirk@solarismidstream.com
Project Name:	Solaris- Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENVV	Due Date:	
Project Location:	Eddy County, NM	Sampler's Name:	J. Ferguson
PO #:		TAT starts the day received by the lab, if received by 4:30pm	

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>
Work Order Comments:	Work Order Comments

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Work Order No: 679462

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST											Preservative Codes			
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0												
CASE-33	S	12/12/20	1400	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CASE-24	S	12/12/20	1340	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CASE-11	S	12/12/20	1520	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CASE-5	S	12/12/20	1525	2.0'	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	12/12/20 0843	[Signature]	[Signature]	

Revised Date: 08/25/2020 Rev: 2020.2



Environment Testing
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ANALYTICAL REPORT

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

Laboratory Job ID: 890-615-1
Laboratory Sample Delivery Group: 1000ENV
Client Project/Site: Solaris-Lobo to Eddy State ARV Release

For:
SDR Enterprises, LLC.
6222 S. Bronco Dr.
Hobbs, New Mexico 88240

Attn: John Ferguson

Authorized for release by:
5/10/2021 10:43:08 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



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

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

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Laboratory Job ID: 890-615-1
SDG: 1000ENV

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Definitions/Glossary

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Job ID: 890-615-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-615-1

Receipt

The samples were received on 5/4/2021 1:14 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 9.6°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Client Sample ID: CWSE-38

Lab Sample ID: 890-615-1

Date Collected: 05/04/21 11:50

Matrix: Solid

Date Received: 05/04/21 13:14

Sample Depth: - 2.0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
Ethylbenzene	0.00243		0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				05/06/21 12:54	05/07/21 01:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/06/21 12:54	05/07/21 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/08/21 09:25	1
Total TPH	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/08/21 09:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/08/21 09:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/08/21 09:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/06/21 16:52	05/08/21 09:25	1
o-Terphenyl	124		70 - 130				05/06/21 16:52	05/08/21 09:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	528		49.9		mg/Kg			05/05/21 22:41	10

Client Sample ID: CWSW-38

Lab Sample ID: 890-615-2

Date Collected: 05/04/21 11:55

Matrix: Solid

Date Received: 05/04/21 13:14

Sample Depth: - 2.0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/06/21 12:54	05/07/21 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/06/21 12:54	05/07/21 01:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/06/21 12:54	05/07/21 01:52	1

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Client Sample Results

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

Client Sample ID: CWSW-38

Lab Sample ID: 890-615-2

Date Collected: 05/04/21 11:55

Matrix: Solid

Date Received: 05/04/21 13:14

Sample Depth: - 2.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/07/21 13:20	1
Total TPH	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/07/21 13:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/07/21 13:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/21 16:52	05/07/21 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	05/06/21 16:52	05/07/21 13:20	1
o-Terphenyl	117		70 - 130	05/06/21 16:52	05/07/21 13:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	656		50.0		mg/Kg			05/05/21 22:46	10

Client Sample ID: CWSW-46

Lab Sample ID: 890-615-3

Date Collected: 05/04/21 12:00

Matrix: Solid

Date Received: 05/04/21 13:14

Sample Depth: - 2.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.0		5.00		mg/Kg			05/05/21 22:57	1

Surrogate Summary

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-615-1	CWSE-38	137 S1+	97
890-615-2	CWSW-38	106	105
LCS 880-2780/1-A	Lab Control Sample	97	105
LCSD 880-2780/2-A	Lab Control Sample Dup	97	105
MB 880-2780/5-A	Method Blank	100	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-615-1	CWSE-38	109	124
890-615-1 MS	CWSE-38	94	99
890-615-1 MSD	CWSE-38	96	103
890-615-2	CWSW-38	103	117
LCS 880-2794/2-A	Lab Control Sample	97	102
LCSD 880-2794/3-A	Lab Control Sample Dup	105	111
MB 880-2794/1-A	Method Blank	91	101

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2780/5-A
Matrix: Solid
Analysis Batch: 2786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2780

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/21 12:54	05/06/21 19:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/21 12:54	05/06/21 19:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		70 - 130	05/06/21 12:54	05/06/21 19:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/06/21 12:54	05/06/21 19:49	1

Lab Sample ID: LCS 880-2780/1-A
Matrix: Solid
Analysis Batch: 2786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2780

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.100	0.08101		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.09459		mg/Kg		95	70 - 130
Toluene	0.100	0.08695		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1919		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09476		mg/Kg		95	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-2780/2-A
Matrix: Solid
Analysis Batch: 2786

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2780

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.08109		mg/Kg		81	70 - 130	0	35
Ethylbenzene	0.100	0.09427		mg/Kg		94	70 - 130	0	35
Toluene	0.100	0.08685		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1899		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.09348		mg/Kg		93	70 - 130	1	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

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

Lab Sample ID: MB 880-2794/1-A
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 2794

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
Total TPH	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/21 16:52	05/07/21 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/06/21 16:52	05/07/21 11:15	1
o-Terphenyl	101		70 - 130	05/06/21 16:52	05/07/21 11:15	1

Lab Sample ID: LCS 880-2794/2-A
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 2794

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	925.4		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-2794/3-A
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 2794

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-615-1 MS
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: CWSE-38
 Prep Type: Total/NA
 Prep Batch: 2794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	849.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1068		mg/Kg		102	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

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

Lab Sample ID: 890-615-1 MS
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: CWSE-38
 Prep Type: Total/NA
 Prep Batch: 2794

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-615-1 MSD
 Matrix: Solid
 Analysis Batch: 2814

Client Sample ID: CWSE-38
 Prep Type: Total/NA
 Prep Batch: 2794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	858.0		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1114		mg/Kg		107	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2712/1-A
 Matrix: Solid
 Analysis Batch: 2743

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/05/21 20:16	1

Lab Sample ID: LCS 880-2712/2-A
 Matrix: Solid
 Analysis Batch: 2743

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	232.5		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-2712/3-A
 Matrix: Solid
 Analysis Batch: 2743

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	234.9		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: SDR Enterprises, LLC.
 Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
 SDG: 1000ENV

GC VOA

Prep Batch: 2780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Total/NA	Solid	5035	
890-615-2	CWSW-38	Total/NA	Solid	5035	
MB 880-2780/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2780/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2780/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Total/NA	Solid	8021B	2780
890-615-2	CWSW-38	Total/NA	Solid	8021B	2780
MB 880-2780/5-A	Method Blank	Total/NA	Solid	8021B	2780
LCS 880-2780/1-A	Lab Control Sample	Total/NA	Solid	8021B	2780
LCSD 880-2780/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2780

GC Semi VOA

Prep Batch: 2794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Total/NA	Solid	8015NM Prep	
890-615-2	CWSW-38	Total/NA	Solid	8015NM Prep	
MB 880-2794/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2794/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-615-1 MS	CWSE-38	Total/NA	Solid	8015NM Prep	
890-615-1 MSD	CWSE-38	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Total/NA	Solid	8015B NM	2794
890-615-2	CWSW-38	Total/NA	Solid	8015B NM	2794
MB 880-2794/1-A	Method Blank	Total/NA	Solid	8015B NM	2794
LCS 880-2794/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2794
LCSD 880-2794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2794
890-615-1 MS	CWSE-38	Total/NA	Solid	8015B NM	2794
890-615-1 MSD	CWSE-38	Total/NA	Solid	8015B NM	2794

HPLC/IC

Leach Batch: 2712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Soluble	Solid	DI Leach	
890-615-2	CWSW-38	Soluble	Solid	DI Leach	
890-615-3	CWSW-46	Soluble	Solid	DI Leach	
MB 880-2712/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2712/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2712/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-615-1	CWSE-38	Soluble	Solid	300.0	2712
890-615-2	CWSW-38	Soluble	Solid	300.0	2712
890-615-3	CWSW-46	Soluble	Solid	300.0	2712

Eurofins Xenco, Carlsbad

QC Association Summary

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

HPLC/IC (Continued)

Analysis Batch: 2743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2712/1-A	Method Blank	Soluble	Solid	300.0	2712
LCS 880-2712/2-A	Lab Control Sample	Soluble	Solid	300.0	2712
LCSD 880-2712/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2712

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Lab Chronicle

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Client Sample ID: CWSE-38

Lab Sample ID: 890-615-1

Date Collected: 05/04/21 11:50

Matrix: Solid

Date Received: 05/04/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2780	05/06/21 12:54	MR	XM
Total/NA	Analysis	8021B		1	2786	05/07/21 01:32	MR	XM
Total/NA	Prep	8015NM Prep			2794	05/06/21 16:52	DM	XM
Total/NA	Analysis	8015B NM		1	2814	05/08/21 09:25	AJ	XM
Soluble	Leach	DI Leach			2712	05/05/21 10:42	CH	XM
Soluble	Analysis	300.0		10	2743	05/05/21 22:41	WP	XM

Client Sample ID: CWSW-38

Lab Sample ID: 890-615-2

Date Collected: 05/04/21 11:55

Matrix: Solid

Date Received: 05/04/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2780	05/06/21 12:54	MR	XM
Total/NA	Analysis	8021B		1	2786	05/07/21 01:52	MR	XM
Total/NA	Prep	8015NM Prep			2794	05/06/21 16:52	DM	XM
Total/NA	Analysis	8015B NM		1	2814	05/07/21 13:20	AJ	XM
Soluble	Leach	DI Leach			2712	05/05/21 10:42	CH	XM
Soluble	Analysis	300.0		10	2743	05/05/21 22:46	WP	XM

Client Sample ID: CWSW-46

Lab Sample ID: 890-615-3

Date Collected: 05/04/21 12:00

Matrix: Solid

Date Received: 05/04/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2712	05/05/21 10:42	CH	XM
Soluble	Analysis	300.0		1	2743	05/05/21 22:57	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

Client: SDR Enterprises, LLC.
Project/Site: Solaris-Lobo to Eddy State ARV Release

Job ID: 890-615-1
SDG: 1000ENV

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-615-1	CWSE-38	Solid	05/04/21 11:50	05/04/21 13:14	- 2.0
890-615-2	CWSW-38	Solid	05/04/21 11:55	05/04/21 13:14	- 2.0
890-615-3	CWSW-46	Solid	05/04/21 12:00	05/04/21 13:14	- 2.0

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Environment Testing Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	John Ferguson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Management
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	iferguson@sdrenterprises.com rob.kirk@solariswater.com

Project Name:	Solaris-Lobo to Eddy State ARV Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	1000ENV	Pres. Code	
Project Location:	Eddy County, NM	Due Date:	
Sampler's Name:	J.Ferguson	TAT starts the day received by the lab, if received by 4:30pm	
PO #:		Wellce:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

SAMPLE RECEIPT	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wellce:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	LNM007
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	9.8	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	9.6	
Total Containers:		Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST		Preservative Codes
							BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	
CWS/E-38	S	5/4/21	1150	2.0	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NAHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CWS/W-38	S	5/4/21	1155	2.0	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CWS/W-4C	S	5/4/21	1200	2.0	Comp	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle element(s) and metal(s) to be analyzed TCEP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631/245.1/7470/7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/4/21 13:14			


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Bottle Order Information

Bottle Order:
 Bottle Order #: Request From Client: 5/4/2021
 Date Order Posted: Ready To Process
 Order Status: Ready To Process
 Prepared By:
 Deliver By Date: 5/4/2021 11:59:00PM
 Lab Project Number:

Order Completion Information

Creator: Michael Turner
 Filled by:
 Sent Date:
 Sent Via:
 Tracking #:

Seis	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
Notes to Field Staff:									
 Scan QR code for field sampler instructions									
Health and Safety Notes:					Comment				
Preservative									

Relinquished By	Company	Date	Time	Received By	Company	Seal #	Seal #	Seal #	Seal #
	Company	5/4/21	11:11		Company				
Relinquished By	Company	Date	Time	Received By	Company	Seal #	Seal #	Seal #	Seal #

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples. Go to <http://www.testamericainc.com/customer-support/specialized-instructions-for-field-samplers/> for field sampler instructions.

Login Sample Receipt Checklist

Client: SDR Enterprises, LLC.

Job Number: 890-615-1

SDG Number: 1000ENV

Login Number: 615

List Number: 1

Creator: Ordonez, Gabby

List Source: Eurofins Carlsbad

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

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Login Sample Receipt Checklist

Client: SDR Enterprises, LLC.

Job Number: 890-615-1

SDG Number: 1000ENV

Login Number: 615

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Midland

List Creation: 05/05/21 01:19 PM

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

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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
 Action 36131

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 36131
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2005137772 LOBO TO EDDY STATE LINE, thank you. This closure is approved.	11/8/2021